Yellow Medicine County Highway Department 1320 13th Street Granite Falls, MN 56241

********PROPOSAL*******

FOR HIGHWAY CONSTRUCTION AND MAINTENANCE PROJECTS WITH

Bids received by the County Engineer until 1:00 PM on Wednesday February 19, 2025 at 1320 13th Street, Granite Falls, MN 56241

(Bids tabulated and presented for approval at the February 25, 2025 County Board Meeting)

PROPOSAL OF			
_		(NAME OF FIRM)	
-		(ADDRESS)	
_			
	(AREA CODE) TELEPH	HONE NUMBER	
THE CONTRACT, 'STANDARD SPEC N THE OFFICE OF	THE PLANS AN IFICATIONS FOR C THE COMMISSION	ERIALS AND TO PERFORM ALL WO D THE APPROVED DEPARTMEN ONSTRUCTION, 2020 EDITION" (US ER OF TRANSPORTATION EXCEPT ARE PART OF THIS PROPOSAL, FO	NT OF TRANSPORTATION SING English UNITS), ON FILE TAS STATED OTHERWISE IN
STATE AID	PROJECT NO:	087-601-013, 087-604-018, 087-630 008, and 087-646-008	0-007, 087-642-003, 064-646
LOCATION	:	On CSAH 1 from West Co line to E Jct. CSAH 14 East 8 miles to TH 75; of Jct 160 th St Northeast 3.5 miles CSAH 1 to CSAH 20 in Echo; On CS TH 67/19	On CSAH 30 from 0.8 Mi Eas to TH 68; On CSAH 42 from
TYPE OF V	VORK:	Mill, Overlay, & Aggregate Shoulder Surfacing, and Agg. Shouldering; Ag Agg. Shouldering; Bituminous Mill &	gg. Base, Bit. Surfacing, and
LENGTH:		CSAH 1 = 12.066 miles; CSAH 4 = 3.484 miles; CSAH 42 = 0.160 miles	
STARTING	DATE:	Variable	
COMPLETI	ON DATE:	On or before September 26, 2025	
NOTICE TO) BIDDERS:	Submit bids in accordance with MnI except as stated otherwise in the Sp	
		d by me or under my direct supervis the State of Minnesota.	ion, and that I am a licensed
L/M	· · · · · · · · · · · · · · · · · · ·	License Number 58376	Date: 1/15/2025
1 1'			

BID RIGGING IS A SERIOUS CRIME. IF YOU HAVE ANY INFORMATION CONCERNING COLLUSIVE BIDDING, EVEN A REQUEST TO SUBMIT A COMPLIMENTARY BID, PLEASE CALL THE MINNESOTA ATTORNEY GENERAL'S OFFICE AT TELEPHONE NO. (651) 296-1796

To the Board of County Commissioners of Yellow Medicine County, Minnesota:

According to the advertisement of Yellow Medicine County inviting proposals for the improvement of the section of highway hereinbefore named, and in conformity with the Contract, Plans, Specifications and Special Provisions pertaining thereto, all on file in the office of the Auditor of Yellow Medicine County:

- (I)(We) hereby certify that (I am)(we are) the only person(s) interested in this proposal as principal(s); that this proposal is made and submitted without fraud or collusion with any other person, firm or corporation at all; that an examination has been made of the site of the work and the Contract form, with the Plans, Specifications and Special Provisions for the improvement.
- (I)(We) understand that the quantities of work shown herein are approximate only and are subject to increase or decrease; that all quantities of work, whether increased or decreased within the limits specified in MnDOT 1903 and 1402, are to be done at the unit prices shown on the attached schedule; that, at the time of opening bids, totals only will be read, but that comparison of bids will be based on the correct summation of item totals obtained from the unit prices bid, as provided in MnDOT 1301.
- (I)(We) propose to furnish all necessary machinery, equipment, tools, labor and other means of construction and to furnish all materials specified, in the manner and at the time prescribed, all according to the terms of the Contract and Plans, Specifications, and the Special Provisions forming a part of this.
- (I)(We) further propose to do all Extra Work that may be required to complete the contemplated improvement, at unit prices or lump sums to be agreed upon in writing before starting such work, or if such prices or sums cannot be agreed upon, to do such work on a Force Account basis, as provided in MnDOT 1904.
- (I)(We) further propose to execute the form of Contract within 7 days after receiving written notice of award, as provided in MnDOT 1306.
- (I)(We) further propose to furnish a Payment Bond and a Performance Bond each equal to the Contract Amount as required by MN Statute § 574.26, as security for the construction and completion of the improvement according to the Plans, Specifications and Special Provisions as provided in MnDOT 1305.
- (I)(We) further propose to do all work according to the Plans, Specifications and Special Provisions, and to renew or repair any work that may be rejected due to defective materials or workmanship, before completion and acceptance of the Project by Yellow Medicine County.
 - (I)(We) agree to all provisions of Minnesota Statutes, Section 181.59.

- (I)(We) further propose to begin work and to prosecute and complete the same according to the time schedule set forth in the Special Provisions for the improvement.
- (I)(We) assign to Yellow Medicine County all claims for overcharges as to goods and materials purchased in connection with this Project resulting from antitrust violations that arise under the antitrust laws of the United States and the antitrust laws of the State of Minnesota. This clause also applies to subcontractors and first tier suppliers under this Contract.

NOTICE TO ALL BIDDERS

To report bid rigging activities call:

1-800-424-9071

The U.S. Department of Transportation (DOT) operates the above toll-free "hotline" Monday through Friday, 8:00 a.m. to 5:00 p.m., eastern time. Anyone with knowledge of possible bid rigging, bidder collusion, or other fraudulent activities should use the "hotline" to report such activities.

The "hotline" is part of the DOT's continuing effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the DOT Inspector General. All information will be treated confidentially and caller anonymity will be respected.

MINNESOTA DEPARTMENT OF TRANSPORTATION NOTICE TO BIDDERS: SUSPENSIONS/DEBARMENTS THIS NOTICE APPLIES TO STATE-FUNDED AND FEDERALY-FUNDED PROJECTS

Do not use suspended or debarred parties as subcontractors or material suppliers on this project! Both the federal government and the State of Minnesota suspend and debar vendors. Review the list of suspended and debarred vendors before submitting a bid or a request to sublet. If your bid is based on using a suspended or debarred vendor, you will not be entitled to additional compensation for replacing the suspended or debarred vendor with a qualified vendor.

State Suspensions and Debarments

The State of Minnesota's list of suspended and debarred vendors is maintained by the Minnesota Department of Administration, Office of State Procurement, and can be found at this link: https://mn.gov/admin/osp/government/suspended-debarred/index2.jsp. This list includes parties suspended and debarred by the Minnesota Department of Transportation and the Minnesota Department of Administration.

Federal Suspensions and Debarments

The federal government maintains a searchable database of suspensions and debarments, called the System for Award Management (SAM), which is found at this link: https://www.sam.gov/SAM/. You can use the "Search Records" function without registering for an account.

September 29, 2023

SPECIAL PROVISIONS FOR SAP 087-601-013, SAP 087-604-018, SAP 087-630-007, SAP 087-642-003, SAP 064-646-008, and SAP 087-646-008

YELLOW MEDICINE COUNTY

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STATE FUNDED ONLY CONSTRUCTION CONTRACTS SPECIAL PROVISIONS DIVISION A - LABOR

I. INTRODUCTION

- A. <u>Policy Statement</u>. It is in the public interest that public buildings and other public works projects be constructed and maintained by the best means and the highest quality of labor reasonably available and that persons working on public works projects be compensated according to the real value of the services they perform.¹
- B. <u>State Regulations Govern.</u> This Contract is subject to the Minnesota Prevailing Wage Act², Minnesota Fair Labor Standards Act³, Minnesota Rules⁴, Minnesota Department of Labor and Industry (MnDLI) Wage Decision(s), and the MnDLI Truck Rental Rate Schedule.
- C. <u>Purpose</u>. These provisions: (1) outline your obligations under state and federal laws, rules and regulations; (2) explain the requirements necessary to demonstrate compliance; and (3) explain the processes that the Department will undertake to ensure compliance.
- D. <u>Questions or Resources</u>. Please visit the Minnesota Department of Transportation (MnDOT) Labor Compliance Unit (LCU) website at: www.dot.state.mn.us/const/labor.

II. **DEFINITIONS**

Many of the terms used in these provisions are defined in MnDOT's Standard Specifications for Construction,⁵ unless defined below.

- A. <u>Apprentice</u>. A Worker at least 16 years of age who is employed to learn an apprenticeable trade or occupation in a registered apprenticeship program.⁶
- B. **Bona Fide.** Made or carried out in good faith; authentic.⁷
- C. <u>Certified Payroll Report (CPR)</u>. A report comprised of two components; (1) a payroll report, and (2) a statement of compliance report.⁸
- D. <u>Contractor</u>. An individual or business entity that is engaged in construction or construction service-related activities including trucking activities either directly or indirectly through a Contract, or by Subcontract with the Prime Contractor, or by a further Subcontract with any other person or business entity performing Work.⁹
- E. <u>Employer</u>. An individual, partnership, association, corporation, business trust, or other business entity that hires a Worker. ¹⁰
- F. Fringe Benefit. An employment benefit given in addition to a Worker's wages or salary. 11
- G. <u>Independent Truck Owner/Operator (ITO)</u>. An individual, partnership, or principal stockholder of a corporation who owns or holds a vehicle under lease and who contracts that vehicle and the owner's services to an entity which provides construction services to a public works project.¹²

¹ Minn. Stat. 177.41

² Minn. Stat. 177.41 to 177.44

³ Minn. Stat. 177.21 to 177.35

⁴ Minn. R. 5200.1000 to 5200.1120

⁵ MnDOT Standard Specifications for Construction, Section 1103

⁶ Minn. Stat. 178.011, Subdivision 2

⁷ The American Heritage College Dictionary, Third Edition, 2000

Minn. R. 5200.1106, Subpart 10

⁹ Minn. R. 5200.1106, Subpart 2(D)

Minn. Stat. 177.42, Subdivision 7

¹¹ The American Heritage College Dictionary, Third Edition, 2000

¹² Minn. R. 5200.1106, Subpart 7(A)

- H. <u>Journeyworker</u>. A person who has attained a level of skill, abilities, and competencies recognized within and industry as having mastered the skills and competencies required for the trade or occupation.¹³
- I. <u>Prime Contractor.</u> An individual or business entity that enters into a Contract with the Department.¹⁴
- J. Subcontract. A Contract that assigns some obligations of a prior Contract to another party. 15
- K. <u>Substantially In Place</u>. Mineral aggregate is deposited on the project site directly or through spreaders where it can be spread from or compacted at the location where it was deposited. ¹⁶
- L. <u>Total Prevailing Wage Rate</u>. The sum of the prevailing hourly "basic" and "fringe" rate that is established in a Wage Decision.
- M. **Trucking Broker** (**Broker**). An individual or business entity, the activities of which include, but are not limited to: contracting to provide trucking services in the construction industry to users of such services, contracting to obtain such services from providers of trucking services, dispatching the providers of the services to do Work as required by the users of the services, receiving payment from the users in consideration of the trucking services provided, and making payment to the providers for the services.¹⁷
- N. <u>Trucking Firm/Multiple Truck Owner (MTO)</u>. Any legal business entity that owns more than one vehicle and hires the vehicles out for services to Trucking Brokers or Contractors on public works projects. ¹⁸
- O. <u>Truck Rental Rate Schedule</u>. A document prepared by the MnDLI through a Contractor survey process that identifies the required hourly Total Prevailing Wage Rate and operating cost for various types of trucks that perform hauling activities (Work) under a Contract that is funded in whole or in part with state funds.¹⁹
- P. <u>Wage Decision</u>. A document prepared by the MnDLI through a Contractor survey process that identifies the required hourly basic rate of pay and hourly Fringe Benefits for various labor classifications that perform Work under a Contract that is funded in whole or in part with state funds.²⁰
- Q. <u>Work (Work)</u>. All construction activities associated with a public works project, including any required hauling activities on-the-site-of or to-or-from a public works project and conducted pursuant to a Contract, regardless of whether the construction activity or Work is performed by the Prime Contractor, subcontractor, Trucking Broker, Trucking Firm (MTO), ITO, independent contractor, or employee or agent of any of the foregoing entities.²¹
- R. Worker (Laborer or Mechanic). A Worker in a construction industry labor class identified in or pursuant to Minnesota Rules 5200.1100, Master Job Classifications.²²

III. APPLICATION & UNDERSTANDING

A. **Provisions & Prevailing Wage Rates Apply.** These provisions, along with the prevailing Wage Decision(s) that are incorporated into the Contract, apply to all Contractors contracting to do all or part of the Work.²³

¹³ Minn. Stat. 178.011, Subdivision 9

¹⁴ Minn. R. 5200.1106, Subpart 2(C)

 $^{^{15}}$ The American Heritage College Dictionary, Third Edition, 2000

¹⁶ Minn. R. 5200.1106, Subpart 5(C)

¹⁷ Minn. R. 5200.1106, Subpart 7(C)

¹⁸ Minn. R. 5200.1106, Subpart 7(B)

¹⁹ Minn. R. 5200.1105

²⁰ Minn. R. 5200.1020 to 5200.1060

²¹ Minn. R. 5200.1106, Subpart 2(A)

²² Minn. R. 5200.1106, Subpart 5(A)

²³ Minn. Stat. 177.44, Subdivision 1

- B. <u>Truck Rental Rates Apply</u>. The Truck Rental Rate Schedule incorporated into the Contract applies to all hired trucking entities that perform covered hauling activities related to the project. ²⁴
- C. <u>Prevailing Wage Terms Must Be Included in All Contracts</u>. The Prime Contractor is required to ensure that all subcontractors performing Work receive the Contract Wage Decision(s), Truck Rental Rate Schedule, and a copy of these provisions with their written Subcontracts, agreements and/or purchase orders. ²⁵
- D. <u>Responsible for Understanding All Requirements</u>. Each Contractor is responsible for understanding all laws, rules, regulations, plans, and specifications that are incorporated physically, or by reference, into the Contract.²⁶
- E. <u>E-Verify</u>. For services valued in excess of \$50,000, the Contractor certifies that as of the date of services performed on behalf of State, the Contractor will have implemented or be in the process of implementing the federal E-Verify program for all newly hired employees in the United States who will perform work under the contract. The Prime Contractor is responsible to collect all subcontractor certifications and may do so utilizing the E-Verify Subcontractor Certification Form available at http://www.mmd.admin.state.mn.us/doc/EverifySubCertForm.doc. All subcontractor certifications must be kept on file with the Prime Contractor and made available to the State upon request.

IV. VENDOR REGISTRATION

<u>Vendor Registration Required.</u> A Contractor that performs Work, supplies material, or product must be registered with MnDOT. The Contractor must complete and submit a vendor form²⁷ to the MnDOT LCU²⁸, along with all applicable documentation that is required. This registration process is separate and distinct from other state agency requirements.

V. LABOR CLASSIFICATIONS

- A. <u>Labor Classification Assignment</u>. A Worker must be paid at least the Total Prevailing Wage Rate in the same or most similar trade or occupation.²⁹ To determine the appropriate labor classification for a Worker, a Contractor must refer to the Wage Decision(s) incorporated into the Contract, the labor classification descriptions for laborers and special crafts established in Minnesota Rules or the United States Department of Labor's Dictionary of Occupational Titles.³⁰
- B. <u>Labor Classification Clarification & Disputes</u>. A Contractor needing assistance in determining a labor classification must submit a Classification Clarification Request³¹ to the MnDOT LCU for a written decision. If the Contractor chooses to contest the classification assignment, it must provide written notice to the MnDOT LCU. The MnDOT LCU will forward the matter to the MnDLI for a final ruling.
- C. <u>Performing Work in Multiple Labor Classifications</u>. For Workers performing Work in multiple labor classifications, the Contractor must compensate at a minimum the Total Prevailing Wage Rate, and report the hours worked, in each applicable labor classification.³²

VI. WAGE DECISION(S) & WAGE RATE(S)

A. Applicability of a Highway and Heavy Wage Decision. A highway and heavy Wage Decision applies to a Worker that is engaged in a construction activity or performing Work to construct or maintain a highway or other public works project, such as a road, street, airport runway, bridge,

²⁴ Minn. Stat. 177.44, Subdivision 3

²⁵ MnDOT Standard Specifications for Construction, Section 1801

²⁶ MnDOT Standard Specifications for Construction, Section 1701

 $[\]frac{27}{\text{www.dot.state.mn.us/const/labor/documents/forms/contractorform2016.pdf} \text{or www.dot.state.mn.us/const/labor/documents/forms/truckvendorform2016.pdf}$

 $^{^{28}}$ lcusupport.dot@state.mn.us

Minn. Stat. 177.44, Subdivision 1

³⁰ Minn. R. 5200.1101 and 1102 and USDOL Dictionary of Occupational Titles

 $^{^{31}\} http://www.dot.state.mn.us/const/labor/documents/forms/classification-clarification-request.pdf$

³² Minn. Stat. 177.44. Subdivision 1

power plant, dam or utility³³ that is external to a sheltered enclosure (structure). This includes, but is not limited to, the following Work: site clearing; grading; excavating backfilling; paving; curbs; gutters; sidewalks; culverts; bridges; lighting systems; traffic management systems; installing of utilities out from an exterior meter; fuel islands; communication towers; or other activities similar to highway and/or heavy Work.

- B. Applicability of a Commercial Wage Decision. A commercial Wage Decision applies to a Worker that is engaged in a construction activity or performing Work to construct a sheltered enclosure (structure) with walk-in access for the purpose of housing persons, machinery, equipment or supplies. This includes, but is not limited to, the following Work: constructing foundations, aprons, stoops; framing walls; installing windows, doors, tiling, plumbing, electrical, HVAC systems; roofing; installing utilities into the building from an exterior meter.
- C. Pay According to Wage Decision(s).
 - 1. <u>Contract with One Wage Decision</u>. If the Contract contains one Wage Decision, the Contractor must examine the Wage Decision and compensate the Worker at a minimum the Total Prevailing Wage Rate for the appropriate labor classification(s).
 - 2. <u>Contract with Multiple Highway/Heavy Wage Decisions</u>. If the Contract contains multiple Highway/Heavy Wage Decisions, the Contractor must examine each Wage Decision and compensate the Worker, at a minimum, the Total Prevailing Wage Rate that is the greatest³⁵ for the appropriate labor classification(s).
 - 3. Contract with Highway/Heavy and Commercial Wage Decision(s). If the Contract contains a Highway/Heavy and Commercial Wage Decision(s), the Contractor must first determine which Wage Decision is applicable to the Worker. The Contractor must then compensate the Worker, at a minimum, the Total Prevailing Wage Rate for the appropriate labor classification(s).
- D. <u>Must Pay Total Prevailing Wage Rate</u>. A Contractor must compensate each Worker, at a minimum, the Total Prevailing Wage Rate(s) for all hours worked on the project for the appropriate labor classification(s). ³⁶
- E. <u>Missing Wage Rate</u>. If a Wage Decision fails to include a wage rate for a labor classification(s) that will be utilized on a project, the Contractor must obtain a wage rate prior to furnishing an estimate, quote or bid.³⁷
 - 1. <u>Wage Rate Request</u>. A Contractor must complete a Request for Rate Assignment form³⁸ and submit it to the MnDOT LCU³⁹ for processing.
 - 2. <u>No Contract Price Adjustment for Missing Wage Rate</u>. If MnDLI determines that a higher wage rate applies, the Department will not reimburse the Contractor.
- F. <u>Salaried Worker</u>. A salaried Worker is not exempt from these Provisions. A Contractor must convert the Worker's salary to an average hourly rate of pay by dividing the Worker's salary by the total number of hours Worked (government and non-government) during the pay period. ⁴⁰ A salaried Worker must be included on a CPR.
- G. Reduction in Standard (Private) Contractual Regular Rate of Pay Prohibited. A Contractor must not reduce a Worker's standard, contractual regular rate of pay when the prevailing wage rate(s) certified by the MnDLI is less.⁴¹

³³ Minn. R. 5200.1010, Subdivision 3

³⁴ United States Department of Labor All Agency Memorandum #130

³⁵ Minn. Stat. 177.44, Subdivision 4

³⁶ Minn. Stat. 177.44, Subdivision 1

³⁷ Minn. R. 5200.1030, Subpart 2a(C)

³⁸ http://www.dot.state.mn.us/const/labor/documents/forms/request-for-rate-assignment.doc

³⁹ lcusupport.dot@state.mn.us

⁴⁰ Refer to Appendix A

⁴¹ Minn. Stat. 181.03, Subdivision 1(2)

- H. <u>Prohibited Payment Practices</u>. A Contractor is prohibited from taking (accepting) a rebate for the purpose of reducing or otherwise decreasing the value of the compensation paid.
- I. <u>Prohibited Deductions</u>. No deductions, direct or indirect, may be made for the items listed below which when subtracted from wages would reduce the wages below Minnesota's minimum wage rate as established in section 177.24⁴²
 - 1. <u>Uniforms</u>. Purchased or rented uniforms or specifically designed clothing that is required by the Employer, by the nature of employment, or by statute, or as a condition of employment, which is not generally appropriate for use except in that employment.
 - 2. **Equipment.** Purchased or rented equipment used in employment, except tools of a trade, a motor vehicle, or any other equipment which may be used outside the employment. The cost of the Worker's use of equipment used outside of employment, such as tools, a motor vehicle, cell phone, may be deducted only if an agreement between the Employer and employee existed prior to the deduction.
 - 3. **Supplies.** Consumable supplies required in the course of employment.
 - 4. <u>Travel Expenses</u>. Travel expenses in the course of employment except those incurred in traveling to and from the employee's residence and place of employment.

VII. HOURS OF WORK

- A. Work Performed Under the Contract. A Worker performing Work is subject to prevailing wage for all hours associated with the Contract⁴³, unless the Worker is exempt under state law.⁴⁴
- B. Wait Time Subject to Prevailing Wage. A Worker who is required to remain on the project and is waiting to Work because of the fault of the Contractor is considered "engaged to wait" and subject to prevailing wage for the time spent, unless the Worker is completely relieved of duty and free to leave the project for a defined period of time.

VIII. FRINGE BENEFITS

- A. <u>Funded Fringe Benefit Plan Criteria</u>. In order for a funded Fringe Benefit (e.g., health/medical insurance, disability insurance, life insurance, pension, etc.) to be considered and creditable towards the Total Prevailing Wage Rate it must be:⁴⁵
 - 1. a contribution irrevocably made by a Contractor on behalf of an Worker to a financially responsible trustee, third person, fund, plan, or program;
 - 2. carried out under a financially responsible plan or program;
 - 3. legally enforceable;
 - 4. communicated in writing to the Worker; and
 - 5. made available to the Worker once he/she has met all eligibility requirements.
- B. <u>Unfunded Fringe Benefit Plan Criteria</u>. In order for a unfunded Fringe Benefit (e.g., vacation, holiday, sick leave, etc.) to be considered and creditable towards the Total Prevailing Wage Rate it must be:⁴⁶
 - 1. reasonably anticipated to provide a benefit;
 - 2. a commitment that can be legally enforced;

⁴² Minn. Stat. 177.24, Subdivision 4(1-4)

⁴³ Minn. Stat. 177.44, Subdivision 1

⁴⁴ Minn. Stat. 177.44, Subdivision 2 or Minn. R. 5200.1106, Subpart 4

⁴⁵ Minn. Stat. 177.42, Subdivision 6

⁴⁶ Minn. Stat. 177.42, Subdivision 6

- 3. carried out under a financially responsible plan or program;
- 4. communicated in writing to the Worker; and
- 5. made available to the Worker once he/she has met all eligibility requirements.
- C. <u>Fringe Benefit Contributions for Hours Worked</u>. A Contractor that provides Fringe Benefits to a Worker must make contributions, not less than quarterly⁴⁷, for all hours worked,⁴⁸ including overtime hours, unless it's a defined benefit or contribution plan that provides for immediate participation and immediate or essentially immediate vesting (see subpart D2 of this section).
- D. <u>Hourly Fringe Benefit Credit</u>. An hourly Fringe Benefit credit toward the Total Prevailing Wage Rate must be determined separately for each Worker based on one or more of the following methods:
 - 1. Monthly, Quarterly or Annual Computation Methods. A Contractor must compute its monthly, quarterly or annual cost of a particular Fringe Benefit and divide that amount by the estimated total number of hours worked (government and non-government) during the time frame used. ⁴⁹ Typical plans that require monthly, quarterly or annual computations include but are not limited to: health/medical insurance, disability insurance, life insurance, vacation, holiday, sick leave and defined benefit or contribution pension plans that do not provide for immediate participation and immediate or essentially immediate vesting.
 - 2. Fringe Benefit Credit not Requiring Monthly, Quarterly or Annual Computation Methods. A defined benefit or contribution pension plan that allows for a higher hourly rate of contribution for government work (prevailing wage) than non-government (non-prevailing wage) will be fully credited only if the plan provides for immediate participation and immediate or essentially immediate vesting.
- E. <u>Wages In Lieu of Fringe Benefits</u>. A Contractor that does not provide full Fringe Benefits must compensate a Worker the difference between the Total Prevailing Wage Rate and the rate actually paid for the appropriate labor classification(s). The compensation paid is considered wages and subject to tax liabilities.
 - 1. <u>Overtime</u>. The cash equivalent (wages paid) made in lieu of Fringe Benefits is excluded from the overtime calculation requirement, unless the cash equivalent (wages paid) is part of the Worker's standard straight time wage.
- F. <u>Administrative Costs Not Creditable</u>. Administrative expenses incurred by a Contractor in connection with the administration of a Bona Fide Fringe Benefit plan are not creditable towards the Total Prevailing Wage Rate.
- G. <u>Federal, State & Local Fringe Benefit Credit Prohibited</u>. No credit is allowed for benefits required by federal, state or local law, such as: worker's compensation, unemployment compensation, and social security contributions.⁵⁰

IX. OVERTIME

A. Overtime after 8 Hours per Day or 40 Hours per Week. A Contractor must not permit or require a Worker to work longer than the prevailing hours of labor unless the Worker is paid for all hours in excess of the prevailing hours at a rate of at least 1.5 times the hourly basic rate of pay. The prevailing hours of labor is defined as not more than 8 hours per day and more than 40 hours per week. 2

⁴⁷ 29 CRF, Part 5.5(a)(1)(i)

⁴⁸ Government and non-government Work

⁴⁹ Refer to Appendix B

Minn. Stat. 177.42, Subdivision 6

⁵¹ Minn. Stat. 177.44, Subdivision 1 and Refer to Appendix D

⁵² Minn. Stat. 177.42. Subdivision 4

- B. Wages in Lieu of Fringe Benefits Overtime. Wages paid in Lieu of Fringe Benefits must be paid for all hours worked under the contract.
- C. Multiple Labor Classifications and Overtime. A Worker employed in multiple labor classifications throughout a workweek must be compensated at the applicable labor classification overtime rate in effect during the hours worked in excess of 8 hours per day or 40 hours per week.
- D. Federal Fair Labor Standards Act (FLSA) and Overtime. A Contractor subject to the FLSA may be subject to additional overtime compensation requirements.

PAYROLLS AND STATEMENTS X.

- A. **Reporting.** Each Contractor that is performing Work must submit a CPR(s) to the Department.
 - 1. **Payroll Report (Paper).** Each Contractor performing Work must submit a paper (written) payroll report to the Department. The payroll report is available on the MnDOT LCU website. 53
 - 2. Statement of Compliance (Paper). Each Contractor's paper (written) payroll report must include a paper (written) "Statement of Compliance Form". The "Statement of Compliance Form" must: (1) state whether or not Fringe Benefits are provided to a Worker; (2) provide a description of each benefit, the hourly contribution made on behalf of each Worker, along with fund/plan information; and (3) a signature attesting that the payroll and Fringe Benefit information provided is truthful and accurate.⁵⁴
 - 3. **Electronic Reporting.** If the Contract is subject to electronic reporting, each Contractor performing Work must submit a CPR(s) using the AASHTOWare, Civil Rights Labor (CRL) system. Refer to the Special Provisions Division S - "Electronic Submission of Payrolls and Statements" which is incorporated into and found elsewhere in the Contract for detailed requirements.
- B. Biweekly Payroll Reporting and Payment of Wages. A CPR(s) must be submitted no later than 14 calendar days after the end of each Contractor's pay period⁵⁵ to the Department. A Contractor must pay its employees at least once every 14 calendar days. 56
- C. Payroll Report Data. Each payroll report must include all Workers that performed Work and provide at a minimum the following information:⁵⁷
 - 1. Contractor's name, address, and telephone number.
 - 2. State project number.
 - 3. Contract number (if applicable).
 - 4. Project number.
 - 5. Payroll report number.
 - 6. Project location.
 - 7. Workweek end date.
 - 8. Each Worker's name, home address, and social security number. 58
 - 9. Labor classification(s) title(s) and optional three-digit code for each Worker.

www.dot.state.mn.us/const/labor/certified payroll.html

⁵⁴ Minn. R. 5200.1106, Subpart 10

Minn. Stat. 177.43, Subdivision 3

⁵⁶ Minn. Stat. 177.30 (a)(4)

⁵⁷ Minn. Stat. 177.30 (a)(1-4) and Minn. R. 5200.1106, Subpart 10

⁵⁸ Minn. R. 5200.1106, Subpart 10A & Minn. Stat. 13.355, Subdivision 1

- 10. Hours worked daily and weekly in each labor classification, including overtime hours, for each Worker.
- 11. Wage rate paid to each Worker for straight time and overtime.
- 12. Authorized legal deductions for each Worker.
- 13. Project gross amount, weekly gross amount, and net wages paid to each Worker.
- D. **Prime Contractor to Ensure Compliance.** The Prime Contractor must review the CPR(s) submitted by each lower tier Contractor and sign the "Statement of Compliance Form". ⁵⁹ The Prime Contractor must ensure that each lower tier Contractor's CPR(s) include all Workers that performed Work and accurately reflect labor classifications, hours worked, regular and overtime rates of pay, gross earnings for the project and Fringe Benefits. ⁶⁰
- E. <u>Retention of CPR(s)</u>. The Prime Contractor must keep its written CPR(s), including those of all lower tier Contractors, for three (3) years after the final payment is issued.⁶¹
- F. **Retention of Employment-Related Records.** Each Contractor must keep employee records, including, but not limited to: Fringe Benefit statements, time cards, payroll ledgers, check registers and canceled checks ⁶² for at least three (3) years after the final payment is issued. ⁶³ Other laws may have longer retention requirements.
- G. <u>Detailed Earning Statement</u>. At the end of each pay period, each Contractor must provide every Worker, in writing or by electronic means, an accurate, detailed earnings statement.⁶⁴
- H. **Reports and Records Request.** Upon a request from the Department, the Prime Contractor must promptly furnish copies of CPR(s) for its Workers and those of all lower tier Contractors, along with employment-related records, documents, and agreements that the Department considers necessary to determine compliance.⁶⁵

XI. APPRENTICES, TRAINEES AND HELPERS

- A. <u>Apprentice</u>. An Apprentice will be permitted to Work at less than the prevailing basic hourly rate only if the Apprentice is:
 - 1. Registered with the U.S. Department of Labor (DOL), Bureau of Apprenticeship and Training or MnDLI Division of Voluntary Apprenticeship. 66
 - 2. Performing Work of the trade, as described in the apprenticeship agreement.
 - 3. Compensated according to the rate specified in the program for the level of progress.⁶⁷
 - 4. Supervised by a Journeyworker from the same company, in accordance with the program ratio requirements. ⁶⁸
- B. <u>Ratio Requirement</u>. If an approved apprenticeship program fails to define a ratio allowance, the first Apprentice must be supervised by a Journeyworker within the same trade or occupation. Any subsequent Apprentice must be supervised by an additional three Journeyworkers.⁶⁹

⁵⁹ MnDOT Standard Specifications for Construction, Section 1701

⁶⁰ MnDOT Standard Specifications for Construction, Section 1801

⁶¹ Minn. Stat. 177.30 (a)(5)

⁶² Minn. R. 5200.1106, Subpart 10

⁶³ Minn. Stat. 177.30 (a)(5)

⁶⁴ Minn. Stat. 181.032

⁶⁵ Minn. Stat. 177.44, Subdivision 7; Minn. Stat. 177.33(a)(5)

⁶⁶ Minn. R. 5200.1070, Subpart 1

⁶⁷ Minn. R. 5200.1070, Subpart 1 and Refer to Appendix C

⁶⁸ Minn. Stat. 178.036, Subdivision 5

⁶⁹ Minn. Stat. 178.036, Subdivision 5

- C. Failure to Comply with Apprenticeship Requirements. If a Contractor fails to demonstrate compliance with the terms established in this section, the Contractor must compensate the Apprentice not less than the applicable Total Prevailing Wage Rate for the actual classification of labor performed. 70
- D. **Trainee and Helper.** A trainee or helper is not exempt from prevailing wage under state law. The Contractor must assign the trainee or helper a labor classification that is the "same or most similar" ⁷¹ and compensate the trainee or helper for the actual Work performed regardless of the trainee's or helper's skill level.

XII. INDEPENDENT CONTRACTORS, OWNERS, SUPERVISORS, AND FOREMAN

- A. Independent Contractor. An independent contractor (IC) that is not an Independent Truck Owner/Operator (ITO), who is performing Work must be properly classified and compensated. 72 The IC must submit a CPR(s) to the Department. If the IC does not receive an hourly wage, but instead a weekly, biweekly, monthly or quarterly distribution for performance, the IC must calculate its hourly rate of pay by dividing the weekly, biweekly, monthly, or quarterly company distribution by all hours worked during that time frame and report the information on a CPR. If necessary, the Department may request documentation from the IC to determine how the hourly wage rate was calculated.⁷³
- B. Owners, Supervisors and Foreman. An owner, supervisor, or foreman performing Work is subject to prevailing wage and must be properly classified, compensated and reported. 74

XIII. **TRUCKING**

- A. Covered Hauling Activities. A Contractor must ensure that all Workers, including hired Trucking Brokers, MTOs and ITOs are paid the applicable Total Prevailing Wage Rate or truck rental rate for the following Work:
 - 1. The hauling of any or all stockpiled or excavated materials on the project work site to other locations on the same project even if the truck leaves the work site at some point. 75
 - 2. The delivery of materials from a non-commercial establishment to the project and the return haul to the starting location either empty or loaded.⁷⁶
 - 3. The delivery of materials from another construction project site to the public works project and the return haul, either empty or loaded. Construction projects are not considered commercial establishments. 77
 - 4. The hauling required to remove any materials from the project to a location off the project site and the return haul, either empty or loaded from other than a commercial establishment.⁷⁸
 - 5. The delivery of materials or products by trucks hired by a Contractor, subcontractor, or agent thereof, from a commercial establishment.⁷⁹
 - 6. The delivery of sand, gravel, or rock, by or for a commercial establishment, which is deposited "substantially in place," either directly or through spreaders from the transporting vehicles is work under the contract. In addition, the return haul to the off-site facility empty or loaded is also considered work under the contract. 80

⁷⁰ Minn. R. 5200.1070, Subpart 3

⁷¹ Minn. Stat. 177.44, Subdivision 1

⁷² Minn. Stat. 177.44, Subdivision 1

⁷³ Minn. Stat. 177.30(a)(5); Minn. Stat. 181.723

⁷⁴ Minn. Stat. 177.44, Subdivision 1

⁷⁵ Minn. R. 5200.1106, Subpart 3B(1)

⁷⁶ Minn. R. 5200.1106, Subpart 3B(2) ⁷⁷ Minn. R. 5200.1106, Subpart 3B(3)

⁷⁸ Minn. R. 5200.1106, Subpart 3B(4)

⁷⁹ Minn. R. 5200.1106, Subpart 3B(5)

⁸⁰ Minn. R. 5200.1106, Subpart 3B(6)

- B. Hauling Activities Not Subject to Prevailing Wage or Truck Rental Rates. A Contractor may exclude a Worker, including hired Trucking Brokers, MTOs and ITOs from prevailing wage or truck rental rates for the Work described in (1-2) of this section. However, this Work may be considered hours worked and subject to standard compensation pursuant to the Minnesota Fair Labor Standards Act.
 - 1. The delivery of processed or manufactured goods to a public works project by the employees of a commercial establishment including truck owner-operators hired by and paid by the commercial establishment, unless it is the delivery of mineral aggregate that is incorporated into the work under the contract by depositing the material substantially in place.⁸¹
 - 2. The delivery of oil offsite, as an example, to a Prime Contractor's permanent (commercial) asphalt mixing facility that is not to, from, or on the project Work site.⁸²
- C. **Repair, Maintenance & Waiting to Load Time.** An ITO and MTO must be paid the truck rental rate for time spent repairing or maintaining the truck owner-operator's equipment, and for waiting to load or unload if the repair, maintenance, or wait time is the fault of the Trucking Broker, Contractor, its agent or employees.⁸³
- D. Month End Trucking Report. A Contractor that acquires the services of an ITO or MTO must submit a "MnDOT MTO and/or ITO Month-End Trucking Report", and a "MnDOT Month-End Trucking Statement of Compliance Form" to the Department for each month hauling activities are performed under the Contract. 84 The forms are available on the MnDOT LCU website. 85
- E. **Broker Fee.** A truck broker contracting to provide trucking services directly to a prime contractor or subcontractor is allowed to assess a broker fee.

XIV. OFF-SITE FACILITIES

- A. Off-Site Facility Activities Subject to Prevailing Wage. A Contractor must ensure that all Workers performing Work at a covered off-site facility are paid the applicable Total Prevailing Wage Rate for the following Work:
 - 1. The processing or manufacturing of material at a Prime Contractor's off-site facility that is not a separately held commercial establishment. 86
 - 2. The processing or manufacturing of material at an off-site facility that is not considered a commercial establishment.⁸⁷
- B. Off-Site Facility Activities Not Subject to Prevailing Wage. A Contractor may exclude a Worker from prevailing wage for the following work:
 - 1. The processing or manufacturing of material or products by or for a commercial establishment.⁸⁸
 - 2. The work performed by Workers employed by the owner or lessee of a gravel or borrow pit that is a commercial establishment, even if the screening, washing or crushing machines are portable.⁸⁹

XV. SUBCONTRACTING PART OF THE CONTRACT

⁸¹ Minn. R. 5200.1106, Subpart 4(C)

⁸² J.D. Donovan, Inc. vs. Minnesota Department of Transportation, 878 N.W.2d 1 (2016)

⁸³ Minn. R. 5200.1106, Subpart 8(A)(1)

⁸⁴ Minn. R. 5200.1106, Subpart 10

⁸⁵ http://www.dot.state.mn.us/const/labor/forms.html

⁸⁶ ALJ Findings of Fact, Conclusions of Law, and Recommendation, Conclusions (7), Case #12-3000-11993-2

⁸⁷ Minn. R. 5200.1106, Subpart 3(A)

⁸⁸ Minn. R. 5200.1106, Subpart 4(A)

⁸⁹ Minn. R. 5200.1106, Subpart 4(B)

The Prime Contractor must include the Contract Special Provisions, Wage Decision(s) and Truck Rental Rate Schedule in all Subcontracts, agreements and purchase orders with lower tier Contractors. This requirement also applies to all lower tier subcontractors.

XVI. SITE OF WORK REQUIREMENTS

- A. **Poster Board.** The Prime Contractor must construct and display a poster board containing all required posters. The poster board must be accurate, legible, and accessible to all project Workers from the first day of Work until the project is one hundred percent (100%) complete. A poster board at an off-site location, or inside a construction trailer, does not meet this requirement.
- B. <u>How to Obtain a Poster Board</u>. The Prime Contractor may obtain the required posters and the necessary contact information that is required to be inserted on each poster by visiting the MnDOT LCU website. ⁹²
- C. <u>Employee Interviews</u>. The Contractor must permit representatives from the Department or other governmental entities⁹³ to interview Workers at any time during working hours on the project. ⁹⁴

XVII. CHILD LABOR

- A. No Worker under the Age of 18. No Worker under the age of 18 is allowed to perform Work on a Project Site, except pursuant to Section XVII B below. 95
- B. <u>Parental Supervision</u>. A Worker under the age of 18 may perform Work on a Project Site if all of the following criteria are met:
 - 1. The Contractor (Employer) is not subject to FLSA.
 - 2. The Worker is employed in a corporation owned solely by one or both parents.
 - 3. The Worker is supervised by the parent(s).
 - 4. The Worker is not working in a hazardous occupation. ⁹⁶
- C. <u>Removal of Minor from Project.</u> The Engineer or inspector may remove a Worker that appears to be under the age of 18 from the Project Site until the Contractor or Worker can demonstrate proof of age and compliance with all applicable federal and state regulations.⁹⁷

XVIII. NON-COMPLIANCE AND ENFORCEMENT

- A. <u>Case-by-Case Enforcement</u>. The Department has the authority to enforce the prevailing wage law on a case-by-case. ⁹⁸
- B. <u>Prime Contractor Responsible for Unpaid Wages</u>. The Prime Contractor will be held liable for any unpaid wages to its Workers or those of any lower tier Contractor. ⁹⁹
- C. <u>Enforcement Options</u>. If evidence shows that a Contractor has violated prevailing wage requirements, or these Special Provisions, the Department may, after written notice, implement one or more of the following:

92 www.dot.state.mn.us/const/labor/posterboards

 $^{^{90}\,}$ MnDOT Standard Specifications for Construction, Section 1801

⁹¹ Minn. Stat. 177.44, Subdivision 5

⁹³ MnDLI, U.S. DOL, , U.S. Department of Transportation, Federal Highways Administration

⁹⁴ MnDOT Standard Specifications for Construction, Section 1511

⁹⁵ Minn. R. 5200.0910, Subpart F; 29 CFR Part 570.2(a)(ii)

⁹⁶ Minn. R. 5200.0930, Subpart 4

⁹⁷Minn. Stat. 181A.06, Subdivision 4; MnDOT Standard Specifications for Construction, Section 1701

⁹⁸ See International Union of Operating Engineers, Local 49 v. MnDOT, No. C6-97-1582, 1998 WL 74281, at *2 (Minn. App. Feb. 24, 1998)

⁹⁹ MnDOT Standard Specifications for Construction, Section 1801

- 1. <u>Withholding Payment</u>. The Department may withhold from the Prime Contractor payments relating to prevailing wage underpayments. ¹⁰⁰
- 2. **Non-Responsible Contractor.** The Department may reject a bid from a Prime Contractor that has received two (2) or more Determination Letters within a three (3) year period from the Department finding an underpayment by the Contractor to its own employees. ¹⁰¹
- 3. <u>Default</u>. The Department may take the prosecution of the Work out of the hands of the Prime Contractor, place the Contractor in default, and terminate the Contract for failure to comply. ¹⁰²
- 4. <u>Suspension or Debarment</u>. The Department may refer violations and matters of non-compliance by a Contractor to the Minnesota Department of Administration for suspension or debarment proceedings. ¹⁰³
- 5. <u>County Attorney</u>. The Department may refer suspected criminal violations by Contractor to the appropriate local county attorney for prosecution. 104
- 6. **Financial Penalties.** Any Contractor who violates the state prevailing wage law is guilty of a misdemeanor and may be fined not more than \$300 or imprisoned not more than 90 days or both. Each day that the violation continues is a separate offense. A Contractor may be fined up to \$1,000 for each failure to maintain records. 106
- 7. False Claims Act Violation. All required payroll and certification reports are legal documents; knowing falsification of the documents by a Contractor may result in civil action and/or criminal prosecution¹⁰⁷ and may be grounds for debarment proceedings.¹⁰⁸
- 8. <u>Compliance Order</u>. The Department may request that MnDLI issue a compliance order to a Contractor for violations of the state prevailing wage law. If the Contractor is found to have committed a violation, liquidated damages and other costs may be assessed against the Employer. ¹⁰⁹
- 9. **Private Right of Action.** The Department may direct an employee to pursue a civil action in district court against its Employer for failure to comply with the proper payment of wages. ¹¹⁰ If the Employer is found to have committed a violation, liquidated damages and other costs may be assessed against the Employer. ¹¹¹
- 10. **Fringe Benefits; Misdemeanor.** A Contractor that is obligated to deposit Fringe Benefit contributions on behalf of a Worker into a financially responsible trustee, third person, fund, plan, or program and fails to make timely contributions is guilty of a gross misdemeanor or other violations under federal law. 112

 $^{^{100}\} MnDOT$ Standard Specifications for Construction, Section 1906

¹⁰¹ Minn. Stat. 16C.285

¹⁰² MnDOT Standard Specifications for Construction, Section 1808

¹⁰³ Minn. R. 1230.1150, Subpart 2(A)(4)

¹⁰⁴ Minn. Stat. 177.44, Subdivision 7

¹⁰⁵ Minn. Stat. 177.44, Subdivision 6

¹⁰⁶ Minn. Stat. 177.30(b)

¹⁰⁷ Minn. Stat. 15C.02; , Minn. Stat. 161.315; Minn. Stat. 177.32; Minn. Stat. 177.43, Subdivision 5, Minn. Stat. 609.63

 $^{^{108}}$ Minn. Stat. 161.315 and Minn. Stat. 609.63

¹⁰⁹ Minn. Stat. 177.43, Subdivision 6a

¹¹⁰ Minn. Stat. 177.27, Subdivision 8 111 Minn. Stat. 177.27, Subdivision 10

¹¹² Minn. Stat. 181.74, Subdivision 1

THE FOLLOWING APPENDICES ARE FOR EXPLANATORY PURPOSES ONLY. FOR SPECIFIC QUESTIONS, PLEASE CONTACT LCU.¹¹³

APPENDIX A

SALARIED WORKER WAGE COMPUTATION

<u>Salaried Workers</u>. In order to convert the Worker's salary into an hourly rate of pay, divide the employee's weekly, bi-weekly or monthly earnings by the total number of hours Worked (government and non-government), including overtime hours for the time period used.¹¹⁴

\$800.00 (weekly salary) / 40 (total weekly hours) = \$20.00\$1,600.00 (bi-weekly salary) / 80 (total bi-weekly hours) = \$20.00\$3,200.00 (monthly salary) / 160 (total monthly hours) = \$20.00

APPENDIX B

FRINGE BENEFIT CREDIT

Fringe Benefit Credit Calculation. The Employer contributes monthly (\$600.00) for medical insurance on behalf of a Worker. In order to calculate the projected hourly credit that the Employer can take, the Employer should: (1) add the monthly contributions for each Worker, (2) multiply by twelve (12) months, and (3) divide the total cost of the benefit by the total hours worked (government and non-government)¹¹⁵ (see annual example below). Quarterly and monthly examples are also provided.

Annual: $(\$600.00) \times (12 \text{ months}) = \$7,200.00$

(\$7,200.00)/(2080 hours) = \$3.46 per hour credit

Quarterly: $(\$600.00) \times (3 \text{ months}) = \$1,800.00$

(\$1,800.00)/(520 hours) = \$3.46 per hour credit

Monthly: $(\$600.00) \times (1 \text{ month}) = \600.00

(\$600.00)/(173 hours) = \$3.47 per hour credit

<u>End of Year Self-Audit</u>. At the end of the calendar year, the Contractor must conduct an audit to determine if the hourly fringe benefit credit taken for each Worker was accurate. The Contractor must calculate the total annual fringe benefits paid on behalf of each Worker and divide that amount by the total number of hours worked (government and non-government) by that Worker. If the hourly fringe benefit credit was less than what was reported on a CPR, the contractor must compensate the Worker the hourly difference, multiplied by the total hours worked under the Contract.

APPENDIX C

APPRENTICE RATE OF PAY

<u>State Requirements</u>. The Apprentice must be compensated according his/her level of progress, which is expressed as a percentage of the Journeyworker wage that is established in the program.

Journeyworker Wage Established in Program = \$25.00

Apprentice Level of Progress = 60%

(\$25.00) * (.60) = \$15.00

¹¹³ lcusupport.dot@state.mn.us or (651) 366-4238

United States Department of Labor Field Operation Handbook, Section 15f08

¹¹⁵ United States Department of Labor Field Operation Handbook, Section 15f12

Overtime Hourly Rate of Pay. Here is the formula to calculate the required minimum overtime. 116

$$OT = (PW * .5) + (HW) + (RF) + (F)$$

Definition of OT Acronyms

OT: overtime.

PW: the basic hourly prevailing wage rate established in a federal and/or state prevailing Wage Decision.

HW: hourly wage rate paid to a Worker.

RF: remaining fringe, which means the difference between the Contract hourly Fringe Benefit rate and the actual hourly Fringe Benefit rate paid by the Contractor to a third party on behalf of a Worker.

F: Fringe Benefit contributions that are bona-fide and contributed by an Employer to a third party on behalf of a Worker.

The Total Prevailing Wage Rate for a Worker is \$30.00, which is comprised of an hourly basic rate of \$20.00 and an hourly fringe rate of \$10.00. The table below includes various hourly basic and Fringe Benefit payments that a Contractor could potentially make to a Worker.

	OT CALCULATION FORMULA AND EXAMPLES OT = (PW * .5) + (HW) + (RF) + (F)					
Hourly Wage	r aynkii io Employee		Fringe <u>Payment</u>	Total <u>Payment</u>		
<u>Paid</u>	Paid	(PW * .5) + (HW) + (RF)	+ (F)	= OT		
\$ 20.00	\$ 10.00	(\$ 20.00 * .5) + (\$ 20.00) + (\$ 0.00) = \$ 30.00	+ \$ 10.00	= \$ 40.00		
\$ 18.00	\$ 12.00	$(\$\ 20.00\ *\ .5) + (\$\ 18.00) + (\$\ 0.00) = \$\ 28.00$	+ \$ 12.00	= \$ 40.00		
\$ 22.00	\$ 8.00	(\$ 20.00 * .5) + (\$ 22.00) + (\$ 0.00) = \$ 32.00	+ \$ 8.00	= \$ 40.00		
\$ 30.00	\$ 0.00	(\$ 20.00 * .5) + (\$ 30.00) + (\$ 0.00) = \$ 40.00	+ \$ 0.00	= \$ 40.00		
\$ 24.00	\$ 4.00	(\$ 20.00 * .5) + (\$ 24.00) + (\$ 2.00) = \$ 36.00	+ \$ 4.00	= \$ 40.00		

Regarding the last example the Contractor would be required to pay an additional \$2.00 to the Worker, which is wages in lieu of fringe for a straight time hourly rate of \$26.00 not \$24.00.

A Contractor subject to the Fair Labor Standards Act (FLSA) may be subject to additional overtime compensation requirements.

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 $^{^{116}}$ United States Department of Labor Field Operation Handbook, Section 15k

NOTICE TO BIDDERS

Minnesota Statutes require prompt payment to subcontractors:

Minn. Stat. § 471.425 PROMPT PAYMENT OF LOCAL GOVERNMENT BILLS.

Subdivision 1. **Definitions.** For the purposes of this section, the following terms have the meanings here given them.

- ...(d) "Municipality" means any home rule charter or statutory city, county, town, school district, political subdivision or agency of local government. "Municipality" means the Metropolitan Council or any board or agency created under chapter 473.
- ... Subd. 4a. **Prompt payment to subcontractors**. Each contract of a municipality must require the prime contractor to pay any subcontractor within ten days of the prime contractor's receipt of payment from the municipality for undisputed services provided by the subcontractor. The contract must require the prime contractor to pay interest of 1-1/2 percent per month or any part of a month to the subcontractor on any undisputed amount not paid on time to the subcontractor. The minimum monthly interest penalty payment for an unpaid balance of \$100 or more is \$10. For an unpaid balance of less than \$100, the prime contractor shall pay the actual penalty due to the subcontractor. A subcontractor who prevails in a civil action to collect interest penalties from a prime contractor must be awarded its costs and disbursements, including attorney's fees, incurred in bringing the action.

Minn. Stat. § 15.72 PROGRESS PAYMENTS ON PUBLIC CONTRACTS; RETAINAGE.

... Subd. 2. **Retainage.** ... (c) A contractor on a public contract for a public improvement must pay all remaining retainage to its subcontractors no later than ten days after receiving payment of retainage from the public contracting agency, unless there is a dispute about the work under a subcontract. If there is a dispute about the work under a subcontract, the contractor must pay out retainage to any subcontractor whose work is not involved in the dispute, and must provide a written statement detailing the amount and reason for the withholding to the affected subcontractor.



THIS NOTICE MUST BE POSTED ON THE JOBSITE IN A CONSPICUOUS PLACE

Construction Type: Highway and Heavy

Region Number: 08

Counties within region:

- CHIPPEWA-12
- KANDIYOHI-34
- LAC QUI PARLE-37
- LINCOLN-41
- LYON-42
- MCLEOD-46
- MEEKER-47
- MURRAY-51
- PIPESTONE-59 • REDWOOD-64
- RENVILLE-65
- YELLOW MEDICINE-87

Effective: 2024-11-18 Revised: 2024-12-09

This project is covered by Minnesota prevailing wage statutes. Wage rates listed below are the minimum hourly rates to be paid on this project.

All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at a rate of one and one half (1 1/2) times the basic hourly rate. Note: Overtime pay after eight (8) hours on the project must be paid even if the worker does not exceed forty (40) hours in the work week.

Violations on MnDOT highways and road projects should be reported to:

Department of Transportation Office of Construction Transportation Building MS650 John Ireland Blvd St. Paul, MN 55155 (651) 366-4209

All other prevailing wage violations and questions should be sent to:

Department of Labor and Industry Prevailing Wage Section 443 Lafavette Road N St Paul, MN 55155 (651) 284-5091 DLI.PrevWage@state.mn.us

LABOR CODE AND CLASS

BASIC RATE FRINGE RATE TOTAL RATE EFFECT DATE

LABORERS (101 - 112) (SPECIAL CRAFTS 701 - 730)

LABORER, COMMON (GENERAL 101 2024-11-18 36.64 24.68 61.32 LABOR WORK) 2025-05-01 39.01 26.01 65.02

LABOR CODE AND CLASS		EFFECT DATE	BASIC RATE	FRINGE RATE	TOTAL RATE
102	LABORER, SKILLED (ASSISTING SKILLED CRAFT JOURNEYMAN)	2024-11-18	36.64	24.68	61.32
		2025-05-01	39.01	26.01	65.02
103	LABORER, LANDSCAPING (GARDENER, SOD LAYER AND NURSERY OPERATOR)	2024-11-18	30.04	21.53	51.57
		2025-05-01	31.66	22.78	54.44
104	FLAG PERSON	2024-11-18	36.64	24.68	61.32
		2025-05-01	39.01	26.01	65.02
105	WATCH PERSON	2024-11-18	16.25	12.94	29.19
106	BLASTER	2024-11-18	39.64	24.24	63.88
107	PIPELAYER (WATER, SEWER AND GAS)	2024-11-18	40.14	24.68	64.82
		2025-05-01	42.51	26.01	68.52
108	TUNNEL MINER	2024-11-18	38.14	24.24	62.38
109	UNDERGROUND AND OPEN DITCH LABORER (EIGHT FEET BELOW STARTING GRADE LEVEL)	2024-11-18	38.14	24.68	62.82
		2025-05-01	40.51	26.01	66.52
110	SURVEY FIELD TECHNICIAN (OPERATE TOTAL STATION, GPS RECEIVER, LEVEL, ROD OR RANGE POLES, STEEL TAPE MEASUREMENT; MARK AND DRIVE STAKES; HAND OR POWER DIGGING FOR AND IDENTIFICATION OF MARKERS OR MONUMENTS; PERFORM AND CHECK CALCULATIONS; REVIEW AND UNDERSTAND CONSTRUCTION PLANS AND LAND SURVEY MATERIALS). THIS CLASSIFICATION DOES NOT APPLY TO THE WORK PERFORMED ON A PREVAILING WAGE PROJECT BY A LAND SURVEYOR WHO IS LICENSED PURSUANT TO MINNESOTA STATUTES, SECTIONS 326.02 TO 326.15.	2024-11-18	35.00	11.50	46.50
111	TRAFFIC CONTROL PERSON (TEMPORARY SIGNAGE)	2024-11-18	21.49	14.80	36.29

LABOR CODE AND CLASS		EFFECT DATE	BASIC RATE	FRINGE RATE	TOTAL RATE
112	QUALITY CONTROL TESTER (FIELD AND COVERED OFF-SITE FACILITIES; TESTING OF AGGREGATE, ASPHALT, AND CONCRETE MATERIALS); LIMITED TO MN DOT HIGHWAY AND HEAVY CONSTRUCTION PROJECTS WHERE THE MN DOT HAS RETAINED QUALITY ASSURANCE PROFESSIONALS TO REVIEW AND INTERPRET THE RESULTS OF QUALITY CONTROL TESTERS. SERVICES PROVIDED BY THE CONTRACTOR.	2024-11-18	16.04	0.00	16.04
SPECIAL EQUIPMENT (201 - 204)					
201	ARTICULATED HAULER	2024-11-18	42.49	25.00	67.49
202	BOOM TRUCK	2024-11-18	31.16	23.45	54.61
203	LANDSCAPING EQUIPMENT, INCLUDES HYDRO SEEDER OR MULCHER, SOD ROLLER, FARM TRACTOR WITH ATTACHMENT SPECIFICALLY SEEDING, SODDING, OR PLANT, AND TWO-FRAMED FORKLIFT (EXCLUDING FRONT, POSIT-TRACK, AND SKID STEER LOADERS), NO EARTHWORK OR GRADING FOR ELEVATIONS	2024-11-18	30.04	21.53	51.57 54.44
		2020 00 01	21.00	221,70	J
204	OFF-ROAD TRUCK	2024-11-18	41.29	23.45	64.74
205	PAVEMENT MARKING OR MARKING REMOVAL EQUIPMENT (ONE OR TWO PERSON OPERATORS); SELF-PROPELLED TRUCK OR TRAILER MOUNTED UNITS.	2024-11-18	33.91	23.49	57.40
HIGHWAY/HEAVY POWER EQUIP	PMENT OPERATOR				
GROUP 2		2024-11-18	45.61	26.90	72.51
302	HELICOPTER PILOT (HIGHWAY AND F	2025-05-05 IFAVY ONLY)	47.24	29.40	76.64
303	CONCRETE PUMP (HIGHWAY AND HE	,			
304	ALL CRANES WITH OVER 135-FOOT BO	*	IIR (HICHWAV A	ND HEAVV ONI V)
504	ALL CIVILLS WITH OVER 133-POOT BU	JOINI, LACLUDING J	m (monwai A	IND TIDAY I UNLI	,

LABOR CODE AND CLASS		EFFECT DATE	BASIC RATE	FRINGE RATE	TOTAL RATE
305	DRAGLINE, CRAWLER, HYDRAULIC BA EQUIPMENT WITH SHOVEL-TYPE CON' RATED CAPACITY INCLUDING ALL AT	TROLS THREE CUB	SIC YARDS AND	OVER MANUFAC	
306	GRADER OR MOTOR PATROL				
307	PILE DRIVING (HIGHWAY AND HEAVY ONLY)				
308	TUGBOAT 100 H.P. AND OVER WHEN LICENSE REQUIRED (HIGHWAY AND HEAVY ONLY)				
GROUP 3		2024-11-18	45.01	26.90	71.91
		2025-05-05	46.61	29.40	76.01
309	ASPHALT BITUMINOUS STABILIZER PL	LANT			
310	CABLEWAY				
311	CONCRETE MIXER, STATIONARY PLAN	NT (HIGHWAY AND	HEAVY ONLY)		
312	DERRICK (GUY OR STIFFLEG)(POWER)	(SKIDS OR STATIO	NARY) (HIGHWA	AY AND HEAVY O	NLY)
313	DRAGLINE, CRAWLER, HYDRAULIC BACKHOE (TRACK OR WHEEL MOUNTED) AND/OR SIMILAR EQUIPMENT WITH SHOVEL-TYPE CONTROLS, UP TO THREE CUBIC YARDS MANUFACTURER.S RATED CAPACITY INCLUDING ALL ATTACHMENTS (HIGHWAY AND HEAVY ONLY)				
314	DREDGE OR ENGINEERS, DREDGE (POWER) AND ENGINEER				
315	FRONT END LOADER, FIVE CUBIC YARDS AND OVER INCLUDING ATTACHMENTS. (HIGHWAY AND HEAVY ONLY)				
316	LOCOMOTIVE CRANE OPERATOR				
317	MIXER (PAVING) CONCRETE PAVING, ROAD MOLE, INCLUDING MUCKING OPERATIONS, CONWAY OR SIMILAR TYPE				
318	MECHANIC . WELDER ON POWER EQUIPMENT (HIGHWAY AND HEAVY ONLY)				
319	TRACTOR . BOOM TYPE (HIGHWAY AN	ID HEAVY ONLY)			
320	TANDEM SCRAPER				
321	TRUCK CRANE . CRAWLER CRANE (HIGHWAY AND HEAVY ONLY)				
322	TUGBOAT 100 H.P AND OVER (HIGHWAY AND HEAVY ONLY)				
GROUP 4		2024-11-18	44.67	26.90	71.57
		2025-05-05	46.25	29.40	75.65
323	AIR TRACK ROCK DRILL				
324	AUTOMATIC ROAD MACHINE (CMI OR	SIMILAR) (HIGHW	AY AND HEAVY	ONLY)	
325	BACKFILLER OPERATOR				
326	CONCRETE BATCH PLANT OPERATOR	(HIGHWAY AND H	EAVY ONLY)		
327	BITUMINOUS ROLLERS, RUBBER TIREI	D OR STEEL DRUM	MED (EIGHT TO	NS AND OVER)	
328	BITUMINOUS SPREADER AND FINISHIN AND MICRO SURFACING, OR SIMILAR	*	, ·		RO SURFACING
329	BROKK OR R.T.C. REMOTE CONTROL C	OR SIMILAR TYPE V	WITH ALL ATTA	CHMENTS	
330	CAT CHALLENGER TRACTORS OR SIME SCRAPERS	ILAR TYPES PULLI	NG ROCK WAGO	ONS, BULLDOZER	S AND
331	CHIP HARVESTER AND TREE CUTTER				
332	CONCRETE DISTRIBUTOR AND SPREADER FINISHING MACHINE, LONGITUDINAL FLOAT, JOINT MACHINE, AND SPRAY MACHINE				

LABOR CODE AND CLASS	EFFECT DATE BASIC RATE FRINGE RATE TOTAL RATE				
333	CONCRETE MIXER ON JOBSITE (HIGHWAY AND HEAVY ONLY)				
334	CONCRETE MOBIL (HIGHWAY AND HEAVY ONLY)				
335	CRUSHING PLANT (GRAVEL AND STONE) OR GRAVEL WASHING, CRUSHING AND SCREENING PLANT				
336	CURB MACHINE				
337	DIRECTIONAL BORING MACHINE				
338	DOPE MACHINE (PIPELINE)				
339	DRILL RIGS, HEAVY ROTARY OR CHURN OR CABLE DRILL (HIGHWAY AND HEAVY ONLY)				
340	DUAL TRACTOR				
341	ELEVATING GRADER				
342	FORK LIFT OR STRADDLE CARRIER (HIGHWAY AND HEAVY ONLY)				
343	FORK LIFT OR LUMBER STACKER (HIGHWAY AND HEAVY ONLY)				
344	FRONT END, SKID STEER OVER 1 TO 5 C YD				
345	GPS REMOTE OPERATING OF EQUIPMENT				
346	HOIST ENGINEER (POWER) (HIGHWAY AND HEAVY ONLY)				
347	HYDRAULIC TREE PLANTER				
348	LAUNCHER PERSON (TANKER PERSON OR PILOT LICENSE)				
349	LOCOMOTIVE (HIGHWAY AND HEAVY ONLY)				
350	MILLING, GRINDING, PLANNING, FINE GRADE, OR TRIMMER MACHINE				
351	MULTIPLE MACHINES, SUCH AS AIR COMPRESSORS, WELDING MACHINES, GENERATORS, PUMPS (HIGHWAY AND HEAVY ONLY)				
352	PAVEMENT BREAKER OR TAMPING MACHINE (POWER DRIVEN) MIGHTY MITE OR SIMILAR TYPE				
353	PICKUP SWEEPER, ONE CUBIC YARD AND OVER HOPPER CAPACITY(HIGHWAY AND HEAVY ONLY)				
354	PIPELINE WRAPPING, CLEANING OR BENDING MACHINE				
355	POWER PLANT ENGINEER, 100 KWH AND OVER (HIGHWAY AND HEAVY ONLY)				
356	POWER ACTUATED HORIZONTAL BORING MACHINE, OVER SIX INCHES				
357	PUGMILL				
358	PUMPCRETE (HIGHWAY AND HEAVY ONLY)				
359	RUBBER-TIRED FARM TRACTOR WITH BACKHOE INCLUDING ATTACHMENTS (HIGHWAY AND HEAVY ONLY)				
360	SCRAPER				
361	SELF-PROPELLED SOIL STABILIZER				
362	SLIP FORM (POWER DRIVEN) (PAVING)				
363	TIE TAMPER AND BALLAST MACHINE				
364	TRACTOR, BULLDOZER (HIGHWAY AND HEAVY ONLY)				
365	TRACTOR, WHEEL TYPE, OVER 50 H.P. WITH PTO UNRELATED TO LANDSCAPING (HIGHWAY AND HEAVY ONLY)				
366	TRENCHING MACHINE (SEWER, WATER, GAS) EXCLUDES WALK BEHIND TRENCHER (HIGHWAY AND HEAVY ONLY)				
367	TUB GRINDER, MORBARK, OR SIMILAR TYPE				
368	WELL POINT DISMANTLING OR INSTALLATION (HIGHWAY AND HEAVY ONLY)				

GROUP 5 2024-11-18 41.36 26.90 68.26

LABOR CODE AND CLASS		EFFECT DATE	BASIC RATE	FRINGE RATE	TOTAL RATE
		2025-05-05	42.77	29.40	72.17
369	AIR COMPRESSOR, 600 CFM OR OVER	(HIGHWAY AND HE	EAVY ONLY)		
370	BITUMINOUS ROLLER (UNDER EIGHT	TONS)			
371	CONCRETE SAW (MULTIPLE BLADE) (POWER OPERATED)		
372	FORM TRENCH DIGGER (POWER)				
373	FRONT END, SKID STEER UP TO 1C YD				
374	GUNITE GUNALL (HIGHWAY AND HEA	AVY ONLY)			
375	HYDRAULIC LOG SPLITTER				
376	LOADER (BARBER GREENE OR SIMILA	AR TYPE)			
377	POST HOLE DRIVING MACHINE/POST	HOLE AUGER			
378	POWER ACTUATED AUGER AND BORI	NG MACHINE			
379	POWER ACTUATED JACK				
380	PUMP (HIGHWAY AND HEAVY ONLY)				
381	SELF-PROPELLED CHIP SPREADER (FL	AHERTY OR SIMIL	AR)		
382	SHEEP FOOT COMPACTOR WITH BLAD	DE . 200 H.P. AND O	VER		
383	SHOULDERING MACHINE (POWER) AP CHIP SPREADER	SCO OR SIMILAR T	YPE INCLUDING	SELF-PROPELLE	D SAND AND
384	STUMP CHIPPER AND TREE CHIPPER				
385	TREE FARMER (MACHINE)				
GROUP 6		2024-11-18	38.06	25.00	63.06
387	CAT, CHALLENGER, OR SIMILAR TYPE	E OF TRACTORS, W	HEN PULLING D	ISK OR ROLLER	
388	CONVEYOR (HIGHWAY AND HEAVY C	ONLY)			
389	DREDGE DECK HAND				
390	FIRE PERSON OR TANK CAR HEATER (HIGHWAY AND HE	EAVY ONLY)		
391	GRAVEL SCREENING PLANT (PORTAB	LE NOT CRUSHING	OR WASHING)		
392	GREASER (TRACTOR) (HIGHWAY AND	HEAVY ONLY)			
393	LEVER PERSON				
394	OILER (POWER SHOVEL, CRANE, TRUC OTHER SIMILAR HEAVY EQUIPMENT)			AND MILLING M.	ACHINES, OR
395	POWER SWEEPER				
396	SHEEP FOOT ROLLER AND ROLLERS O	ON GRAVEL COMPA	CTION, INCLUD	ING VIBRATING I	ROLLERS
397	TRACTOR, WHEEL TYPE, OVER 50 H.P.	, UNRELATED TO L	ANDSCAPING		
TRUCK DRIVERS					
GROUP 1		2024-11-18	36.00	11.50	47.50
601	MECHANIC . WELDER				
602	TRACTOR TRAILER DRIVER				

TRUCK DRIVER (HAULING MACHINERY INCLUDING OPERATION OF HAND AND POWER OPERATED

603

WINCHES)

LABOR CODE AND CLASS		EFFECT DATE	BASIC RATE	FRINGE RATE	TOTAL RATE
GROUP 2		2024-11-18	33.00	11.50	44.50
604	FOUR OR MORE AXLE UNIT, STRAIGH	T BODY TRUCK			
GROUP 3		2024-11-18	31.00	11.50	42.50
605	BITUMINOUS DISTRIBUTOR DRIVER				
606	BITUMINOUS DISTRIBUTOR (ONE PER	SON OPERATION)			
607	THREE AXLE UNITS				
GROUP 4		2024-11-18	23.70	6.91	30.61
608	BITUMINOUS DISTRIBUTOR SPRAY OF	PERATOR (REAR AN	ND OILER)		
609	DUMP PERSON				
610	GREASER				
611	PILOT CAR DRIVER				
612	RUBBER-TIRED, SELF-PROPELLED PAG	CKER UNDER 8 TON	NS .		
613	TWO AXLE UNIT				
614	SLURRY OPERATOR				
615	TANK TRUCK HELPER (GAS, OIL, ROAL	D OIL, AND WATER	4)		
616	TRACTOR OPERATOR, UNDER 50 H.P.				
CDECKAY CDAPEC					
SPECIAL CRAFTS					
701	HEATING AND FROST INSULATORS	2024-11-18	17.50	2.79	20.29
700	DON EDWAYEDS	2024 11 10	46.00	21.02	77.02
702	BOILERMAKERS	2024-11-18	46.00	31.93	77.93
		2025-01-01	48.35	31.93	80.28
703	BRICKLAYERS	FOR RATE CALL DLI.PREVWAGE		EMAIL	
704	CARPENTERS	2024 11 19	37.65	27.08	64.73
/ ∪•+	CARFENIERO	2024-11-18 2025-01-01	37.65	27.08	64.73
		2025-05-01	42.85	27.08	69.93
705	CARPET LAYERS (LINOLEUM)	FOR RATE CALL DLI.PREVWAGE		EMAIL	
706	CEMENT MASONS	2024-11-18	43.00	23.72	66.72
707	ELECTRICIANS	2024-11-18	41.00	23.10	64.10

LABOR CODE AND CLASS		EFFECT DATE	BASIC RATE	FRINGE RATE	TOTAL RATE
711	GROUND PERSON	2024-11-18	16.63	6.38	23.01
712	IRONWORKERS	2024-11-18	46.00	34.11	80.11
713	LINEMAN	2024-11-18	50.86	23.06	73.92
714	MILLWRIGHT	2024-11-18	38.23	29.18	67.41
715	PAINTERS (INCLUDING HAND BRUSHED, HAND SPRAYED, AND THE TAPING OF PAVEMENT MARKINGS)	2024-11-18	33.91	23.49	57.40
716	PILEDRIVER (INCLUDING VIBRATORY DRIVER OR EXTRACTOR FOR PILING AND SHEETING OPERATIONS)	2024-11-18	45.71	29.73	75.44
		2025-01-01	45.71	29.73	75.44
		2025-05-01	49.46	30.23	79.69
717	PIPEFITTERS . STEAMFITTERS	2024-11-18	41.97	25.92	67.89
719	PLUMBERS	2024-11-18	51.04	30.58	81.62
		2025-05-01	54.79	30.58	85.37
721	SHEET METAL WORKERS	2024-11-18	40.88	25.10	65.98
723	TERRAZZO WORKERS	FOR RATE CALL DLI.PREVWAGE	651-284-5091 OR I @STATE.MN.US	EMAIL	
724	TILE SETTERS	FOR RATE CALL DLI.PREVWAGE	651-284-5091 OR I @STATE.MN.US	EMAIL	
725	TILE FINISHERS	FOR RATE CALL DLI.PREVWAGE	651-284-5091 OR I <u>@STATE.MN.US</u>	EMAIL	
727	WIRING SYSTEM TECHNICIAN	2024-11-18	41.42	18.16	59.58
728	WIRING SYSTEMS INSTALLER	2024-11-18	29.02	16.46	45.48
729	ASBESTOS ABATEMENT WORKER	2024-11-18	39.86	24.61	64.47
		2025-01-01	41.23	25.99	67.22
730	SIGN ERECTOR				

LABOR CODE AND CLASS

EFFECT DATE BASIC RATE FRINGE RATE TOTAL RATE

FOR RATE CALL 651-284-5091 OR EMAIL <u>DLI.PREVWAGE@STATE.MN.US</u>



Dec. 18, 2023

Notice of truck rental rate certification and effective date

The Department of Labor and Industry (DLI) commissioner has certified the minimum truck rental rates for state-funded highway projects effective Dec. 18, 2023. This certification follows the publication of the Notice of Truck Rental Rate Determination in the State Register on Nov. 27, 2023, and the informal conference held pursuant to Minnesota Rules, part 5200.1105 on Dec. 11, 2023.

According to Minnesota Rules, part 5200.1105, the purpose of the informal conference was for DLI to obtain further input regarding the determined rates prior to the certification. No written input regarding the determination was received by DLI prior to the informal conference.

The truck rental rate is determined for each equipment type by adding the average hourly cost of operating the vehicle to the certified prevailing-wage rate for the driver. The average hourly operating costs are determined by voluntary survey of truck owner operators, trucking contractors and trucking firms. Cost data used in DLI's analysis must be representative of five trucking firms of various size and five independent truck owner operators for each type of truck.

The determination of the minimum truck rental rates by region are as follows.

Three-axle units

Region	Effective date	607 driver rate	Operating cost	Truck rental rate
Region 1	Certification date	\$58.61	\$37.35	\$95.96
	Increase May 1, 2024	\$61.54	\$37.35	\$98.89
Region 2	Certification date	\$51.97	\$37.35	\$89.32
	Increase May 1, 2024	\$54.57	\$37.35	\$91.92
Region 3	Certification date	\$45.02	\$37.35	\$82.37
Region 4	Certification date	\$51.97	\$37.35	\$89.32

Region	Effective date	607 driver rate	Operating cost	Truck rental rate
	Increase May 1, 2024	\$54.57	\$37.35	\$91.92
Region 5	Certification date	\$39.50	\$37.35	\$76.85
Region 6	Certification date	\$54.16	\$37.35	\$91.51
Region 7	Certification date	\$46.65	\$37.35	\$84.00
Region 8	Certification date	\$32.16	\$37.35	\$69.51
Region 9	Certification date	\$56.36	\$37.35	\$93.71
Region 10	Certification date	\$55.96	\$37.35	\$93.31

Four or more axle units

Region	Effective date	604 driver rate	Operating cost	Truck rental rate
Region 1	Certification date	\$58.71	\$51.50	\$110.21
	Increase May 1, 2024	\$61.65	\$51.50	\$113.15
Region 2	Certification date	\$52.11	\$51.50	\$103.61
	Increase May 1, 2024	54.72	\$51.50	\$106.22
Region 3	Certification date	\$38.51	\$51.50	\$90.01
Region 4	Certification date	\$53.73	\$51.50	\$105.23
Region 5	Certification date	\$44.00	\$51.50	\$95.50
Region 6	Certification date	\$54.26	\$51.50	\$105.76

Region 7	Certification date	\$46.20	\$51.50	\$97.70
Region 8	Certification date	\$43.75	\$51.50	\$95.25
Region 9	Certification date	\$56.46	\$51.50	\$107.96
Region 10	Certification date	\$56.06	\$51.50	\$107.56

Tractor

Region	Effective date	602 driver rate	Operating cost	Tractor-only truck rental rate	Plus trailer operating cost	Tractor trailer rental rate
Region 1	Certification date	\$59.29	\$54.96	\$114.25	\$11.46	\$125.71
	Increase May 1, 2024	\$62.25	\$54.96	\$117.21	\$11.46	\$128.67
Region 2	Certification date	\$52.66	\$54.96	\$107.62	\$11.46	\$119.08
	Increase May 1, 2024	\$55.29	\$54.96	\$110.25	\$11.46	\$121.71
Region 3	Certification date	\$48.35	\$54.96	\$103.31	\$11.46	\$114.77
Region 4	Certification date	\$38.30	\$54.96	\$93.26	\$11.46	\$104.72
Region 5	Certification date	\$42.00	\$54.96	\$96.96	\$11.46	\$108.42
Region 6	Certification date	\$39.50	\$54.96	\$94.46	\$11.46	\$105.92
Region 7	Certification date	\$45.40	\$54.96	\$100.36	\$11.46	\$111.82
Region 8	Certification date	\$48.45	\$54.96	\$103.41	\$11.46	\$114.87
Region 9	Certification date	\$48.75	\$54.96	\$103.71	\$11.46	\$115.17

Region 10	Certification date	\$48.45	\$54.96	\$103.41	\$11.46	\$114.87

The current operating costs and truck rental rates may be reviewed by accessing DLI's website at https://dli.mn.gov/business/employment-practices/prevailing-wage-minimum-truck-rental-rates. Questions about the truck rental rates or the informal conference notice below can be answered by calling 651-284-5192.

The minimum truck rental rate for these four types of trucks in the State's 10 highway and heavy construction areas will be effective for all highway and heavy construction projects financed in whole or part with state funds advertised for bid on or after the day the notice of certification is published in the *State Register*.

Sincerely,

Nicole Blissenbach

DLI commissioner

SPECIAL PROVISIONS

DIVISION S

SPECIAL REQUIREMENTS

S-1 <u>WORKFORCE CERTIFICATE</u>

The local agency cannot execute a contract for goods or services in excess of \$250,000 with a business that has 40 or more full-time employees in this state or a state where the business has its primary place of business on a single day during the prior 12 months, unless the business has a workforce certificate from the commissioner of human rights or has certified in writing that it is exempt. Bidders may find more information on the Workforce Certificate Requirement at Minnesota Statutes Section 363A.36 or at this website:

https://mn.gov/mdhr/certificates/workforce-certificate/

S-2 RESPONSIBLE CONTRACTOR

The Department cannot award a construction contract in excess of \$50,000 unless the Bidder is a "responsible contractor" as defined in Minnesota Statutes §16C.285, subdivision 3. A Bidder submitting a Proposal for this Project must verify that it meets the minimum criteria specified in that statute by submitting the "Responsible Contractor Verification and Certification of Compliance" form. A company owner or officer must sign the "Responsible Contractor Verification and Certification of Compliance" form under oath verifying compliance with each of the minimum criteria. THE COMPLETED FORMS MUST BE SUBMITTED WITH THE BID PROPOSAL.

A bidder must obtain a verification from each subcontractor it will have a direct contractual relationship with. At the Department's request, a bidder must submit signed subcontractor verifications. A contractor or subcontractor must obtain an annual verification from each motor carrier it has a direct contractual relationship with. A motor carrier must give immediate written notice if it no longer meets the minimum responsible contractor criteria. The requirement for subcontractor verifications does not apply to:

- Design professionals licensed under Minnesota Statutes §326.06; and
- A business or person that supplies materials, equipment, or supplies to a
 subcontractor on the Project, including performing delivering and unloading
 services in connection with the supply of materials, equipment, and supplies.
 But, a business or person must submit a verification if it delivers mineral
 aggregate such as sand, gravel, or stone that will be incorporated into the Work
 by depositing the material substantially in place, directly or through spreaders,
 from the transporting vehicle.

A bidder or subcontractor who does not meet the minimum criteria specified in the statute, or who fails to verify compliance with the criteria, is not a "responsible contractor" and is ineligible to be awarded the Contract for this Project or to work on this Project. Submitting a false verification makes the bidder or subcontractor ineligible to be awarded a construction contract for this Project. Additionally, submitting a false statement may lead to contract termination. If only one bidder submits a bid, the Department may, but is not required to, award a contract even if that bidder does not meet the minimum criteria.

S-3 <u>EQUAL EMPLOYMENT OPPORTUNITY SPECIAL PROVISIONS</u> NEW WRITE-UP 08/08/22

The Equal Employment Opportunity (EEO) Special Provisions contain the EEO rules and regulations for federal and/or state funded highway construction Projects in Minnesota.

The source of funding determines which EEO regulations and workforce participation goals apply to a specific Project:

- If the Project contains any federal funding, and has a total dollar value exceeding \$10,000, federal EEO regulations and workforce participation goals apply. The Minnesota Department of Transportation's Office of Civil Rights (MnDOT's Office of Civil Rights) monitors and reviews these Projects on behalf of the Federal Highway Administration (FHWA), under federal law (23 U.S.C. § 140) and its accompanying rules (23 C.F.R. § 230). The FHWA allows MnDOT's Office of Civil Rights to apply the state's workforce participation goals to federally funded construction Contracts.
- If the Project contains any state funding, and has a total dollar value exceeding \$100,000, state EEO regulations and workforce participation goals apply. MnDOT's Office of Civil Rights monitors and reviews these Projects in conjunction with the Minnesota Department of Human Rights under state law (Minn. Stat. § 363A.36) and its accompanying rules (Minn. R. 5000.3520 .3530).
- If the Project contains any state and federal funding, and meets the total dollar value thresholds outlined above, both federal and state EEO regulations, and workforce participation goals apply. MnDOT's Office of Civil Rights monitors and reviews these Projects via a single review and monitoring process that meets federal and state requirements.

NOTICE OF REQUIREMENTS FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY

23 U.S.C. § 140, 23 C.F.R. § 230, 41 C.F.R. § 60, Minn. Stat. § 363A.36, Minn. R. 5000.3520 - .3530

- A. The Contractor's attention is directed to the following:
 - 1. Required Contract Provisions: Federal-Aid Construction Contracts Attachment (FHWA 1273) can be found here: https://edocs-public.dot.state.mn.us/edocs-public/DMResultSet/download?docId=19624648
 - 2. Equal Employment Opportunity (EEO) State and Federal Laws, Policies and Rules Attachment: Minnesota Affirmative Action Requirements (Pages 1-2); Violence-Free and Respectful Workplace (Pages 3-7); Specific Federal Equal Employment Opportunity Responsibilities (Pages 8-11); Standard Federal and State Equal Employment Construction Contract Specifications (Pages 12-15); Equal Opportunity Clause (Pages 16-17) can be found here: https://edocs-public.dot.state.mn.us/edocs_public/DMResultSet/download?docId=19624471
- B. The Contractor's compliance with 41 C.F.R. § 60-4, and Minn. Stat. § 363A.36 and its accompanying rules shall be based on the following: implementation of the Equal Opportunity

Clause (Pages 16-17); adherence to the specific affirmative action obligations of the state and federal authorities outlined in these EEO Special Provisions and the Equal Employment Opportunity (EEO) State and Federal Laws, Policies and Rules Attachment; and good faith efforts to meet the applicable workforce participation goals detailed below.

- C. Highway construction Contracts in excess of \$100,000 in state funds and/or \$10,000 in federal funds are subject to the workforce participation goals for minorities and women established by the Commissioner of the Minnesota Department of Human Rights (MDHR) under Minn. R. 5000.3520. The FHWA allows MnDOT's Office of Civil Rights to apply the state's workforce participation goals to federally funded construction Contracts. The Contractor's attention is directed to the following:
 - 1. Workforce participation goals are percentages of total labor hours that minorities and women should perform in each trade on the Project. Compliance is measured against the total labor hours performed. The Contractor must ensure that labor hours for minorities and women remain substantially uniform in each trade for the duration of the Project.
 - 2. Workforce participation goals are applied on a county-by-county basis.
 - 3. For Projects spanning more than one county, the workforce participation goals of the assigned county apply. For statewide Projects, the highest workforce participation goals of any county located within the covered work area apply.
 - 4. If the applicable workforce participation goals will not be met, the Contractor and any Subcontractor with estimated labor hours on the Project (except independent trucking operators) must demonstrate that specific and significant actions to recruit, hire, and retain minorities and women are being taken. The Contractor is responsible for ensuring Subcontractors are making these requisite good faith efforts.
- D. The transfer of minorities and/or women, including employees and trainees, from different Projects or among Contractors for the sole purpose of meeting the workforce participation goals violates 41 C.F.R. § 60-4, and Minn. Stat. § 363A.36 and its accompanying rules. Such action is a breach of Contract.
- E. The Contractor is directed to the following written notification requirements concerning Subcontracts:
 - 1. <u>If the Project is federally funded</u>: The Office of Federal Contract Compliance Programs must receive written notification of any construction Subcontract over \$10,000 executed at any tier within ten (10) working days of the Contract award.
 - 2. <u>If the Project is state funded</u>: The Office of Equity and Inclusion for Minnesota Businesses, a division of MDHR, must receive written notification of any construction Subcontracts over \$100,000 executed at any tier within ten (10) working days of the Contract award.

The written notification must provide the following information: Name, address, telephone number, and employee identification number of the Subcontractor; estimated amount of the Subcontract; Project location; and estimated start and end dates.

NOTICE TO CONTRACTOR AND SUBCONTRACTORS: REPORTING REQUIREMENTS 23 U.S.C. § 140, 23 C.F.R. § 230, Minn. Stat. § 363A.36, Minn. R. 5000.3520 - .3530

Workforce participation goals are applied on a county-by-county basis. For Projects spanning more than one county, the workforce participation goals of the assigned county apply. For statewide Projects, the highest workforce participation goals of any county located within the covered work area apply.

The workforce participation goals for this Project are:

Minority: 15%

Women: 9%

PRE-AWARD

- A. The Contractor must complete and submit a Workforce Plan if the low bid amount is \$5,000,000 or more.
- B. The Workforce Plan includes the following documents:
 - 1. Project Information Form: To be completed by the Contractor;
 - 2. Contractor Workforce Commitment Form: To be completed by the Contractor and any Subcontractors with estimated labor hours on the Project;
 - 3. Workforce Hours Project Overview Form: To be completed by the Contractor; and
 - 4. Total Company Workforce Report: To be completed by the Contractor and any Subcontractors upon request.
 - a. The Total Company Workforce Report can be found here: mndot.gov/civilrights/forms.html.

The Contractor must select the regional Workforce Plan template that corresponds with Project location. The Workforce Plan templates can be found here: mndot.gov/civilrights/bid-results.html.

- C. Approval of the Workforce Plan by MnDOT's Office of Civil Rights (OCR) is a condition of Contract award.
- D. Approval is contingent upon the following:
 - 1. Completion and submission of the Workforce Plan within five (5) business days of the bid opening. The five-day (5) period begins the first full business day after the bid opening date;
 - 2. Completion and submission of all responses to specific Workforce Plan inquiries made by MnDOT's Office of Civil Rights of the Contractor or any of its Subcontractors with estimated labor hours on the Project; and
 - 3. Ability of the Contractor or any of its Subcontractors with estimated labor hours on the Project to demonstrate that specific and significant actions to recruit, hire, and retain minorities and/or women are being taken if the applicable workforce participation goals will not be met.
- E. Failure to complete and submit the Workforce Plan will result in the bid being rejected for failure to meet a condition precedent.
- F. The execution of a collective bargaining agreement granting a union exclusive referral rights does not preclude compliance with the requirements of this section. As such, the inability of a union to provide candidates for employment relieves neither the Contractor nor any of its Subcontractors with estimated labor hours on the Project of the requirement to demonstrate that specific and significant actions to recruit, hire, and retain minorities and/or women are being taken if the applicable workforce participation goals will not be met.

POST-AWARD

A. The Contractor is directed to the following requirements concerning workforce data submission:

- 1. The Contractor and its Subcontractors must complete and submit workforce data weekly via the OCR Salesforce Portal (Salesforce). Failure to do so may result in the imposition of sanctions, including withholding of progress payments. Salesforce can be found here:
 - https://mnit.force.com/license/CommunitiesLoginPage?AgencyVar=DOT_WITI.
- 2. All Contractors working on federal-aid highway construction Contracts of at least \$10,000 during the last week of July must report their workforce by job category, gender, and ethnicity. MnDOT's Office of Civil Rights compiles this data into a single report for the FHWA. Information on how to submit the required data can be found here: mndot.gov/civilrights/federal-aid-highway-construction-contractors-annual-eeo-report.html.

Failure to meet these post-award reporting requirements may result in the imposition of Contract sanctions, including withholding of progress payments.

- B. MnDOT's Office of Civil Rights determines whether Contractors on highway construction Projects are meeting state and federal laws, rules, and regulations relating to EEO by conducting annual compliance reviews. Accordingly, it reserves the right to audit the Contractor or any of its Subcontractors.
- C. Information concerning specific reporting requirements for On-the-Job Training and Tribal Employment is accessible via reference to the Index for Division S.

FINAL CLEARANCE

Pursuant to MnDOT Standard Specifications for Construction, Section 1516.3, "Completion of the Work, note (7), the Contractor must notify the Engineer and MnDOT Office of Civil Rights when work is complete. MnDOT's Office of Civil Rights will issue a Final Clearance letter under MnDOT Standard Specifications for Construction, Section 1516.3, "Completion

S-4 PROTECTION OF FISH AND WILDLIFE RESOURCES

REVISED 06/28/24

S-4.1 Compliance with Environmental Documentation

The Project is located in an area with protected fish & wildlife resources and/or threatened & endangered species. The Contractor must protect these resources in accordance with State and Federal regulations and must implement all applicable avoidance and minimization measures (AMMs).

The Environmental Document for this Project is available. Contact the Project Engineer.

A BAT PROTECTION

The Project is located in an area inhabited by one or more protected bat species. The Contractor must ensure all operators, employees, and Contractors working in areas of known or presumed bat habitat are aware of environmental commitments and avoidance and minimization measures (AMMs) to protect both bats and their habitat. The Contractor must notify Project Subcontractors during the preconstruction meeting.

Contractor must direct temporary lighting, if used, away from wooded areas during the bat active season (April 1 to November 14, inclusive).

Contractor must immediately report (within 24 hours) all bat sightings, live or dead, to the Department's wildlife ecologist, https://www.dot.state.mn.us/environment/wildlife.html.

A.1 Tree Clearing Requirements

Restrict all activities to avoid tree clearing. No tree clearing allowed.

Contractor must immediately report (within 24 hours) all bat sightings, live or dead, to the Department's wildlife ecologist,

https://www.dot.state.mn.us/environment/wildlife.html.

Presence of bats is assumed or Bridge assessments suggest the presence of a colony of bats. Contractor must restrict all activities to avoid Work June 1 to August 15, inclusive. Contractor must avoid bats and must ensure construction activities do not disturb roosting bats.

B BALD EAGLE PROTECTION

Bald Eagles are protected by the Bald and Golden Eagle Protection Act. No Bald Eagle nests are known within the project limits. However, if a Bald Eagle nest is discovered during Project activities, Contractor must stop Work and immediately report Bald Eagle nests to the Department's wildlife ecologist, https://www.dot.state.mn.us/environment/wildlife.html. Contractor must not Work within 300 feet of a Bald Eagle nest at any time. This includes foot traffic, vehicle parking, and/or equipment or material staging.

C MIGRATORY BIRD PROTECTION

Contractor must cover soil stockpiles when any surface of a stockpile is not in use for 48 hours or longer, Contractor must prevent bird nesting by either covering that surface with fabric or tarps or by grading that surface to a slope no steeper than 65 degrees.

S-5 (1203) ACCESS TO PROPOSAL PACKAGE

MnDOT 1203 is hereby deleted from the MnDOT Standard Specifications.

S-6 (1206) PREPARATION AND DELIVERY OF PROPOSAL

The provisions of MnDOT 1206 are supplemented and/or modified with the following: S-6.1 MnDOT 1206.1 is hereby deleted from the MnDOT Standard Specifications.

1206.2 ALLOWABLE SUBSTITUTIONS

For all Proposals the Bidder shall use the following method:

- (1) Submit a Proposal on the Bid Schedule forms provided by the Department. The Bidder shall:
- (1.1) Submit a Unit Price in numeric figures for each Pay Item for which a quantity is shown. Assume a numeric quantity of "1" for each "Lump Sum" Pay Item, except as not required in the case of alternate Pay Items,
- (1.2) Show the extensions resulting from Unit Prices multiplied by the shown quantities in the specified column, and
- (1.3) Add the extended Pay Item amounts to show the total amount of the Proposal.

The Bidder shall write the figures in ink or provide typed or computer printed figures. In the case of a discrepancy between a Unit Price and extension in a Proposal, the Unit Price will govern.

If a Bidder fails to provide a Unit Price for any Pay Item on the Bid Schedule, except for "Lump Sum" Pay Items, the Department will reject the Proposal.

If a Pay Item in the Proposal requires the Bidder to choose an alternate Pay Item, the Bidder shall indicate its choice in accordance with the Specifications for that Pay Item.

An authorized representative of the Bidder must sign the Proposal.

When submitting a Proposal in accordance with 1206.2, "Allowable Substitutions," of these Special Provisions, the Bidder shall deliver the Proposal and the Proposal Guaranty in a sealed envelope. The Bidder shall mark the sealed envelope with the name of the Bidder, the Project number, and the letting date. The Bidder shall deliver the sealed envelope to the Department as specified in the Advertisement for Bids as follows:

- (1) To the address specified,
- (2) In care of the official receiving the Proposals, and
- (3) By the date and time for opening Proposals.

The Bidder shall return paper copies of the following with the submitted Proposal:

- (1) Proposal title sheet;
- (2) The complete "Schedule of Prices," with all changes made in ink and initialed;
- (3) Form 21126D, "Proposal Signature Page" attached to the back of the Proposal, with signatures and all Addenda acknowledged;
- (4) Form CM 32-34, "EEO Clause;"
- (5) Non-collusion affidavit; and
- (6) Any other forms included in the Proposal Package.
- (7) Minnesota Department of Human Rights Equal Pay Certificate
- (8) Minnesota Department of Human Rights Workforce Certificate

If the Department receives a Proposal after the date and time for opening Proposals, the Department will return the Proposal to the Bidder unopened.

S-7 (1208) PROPOSAL GUARANTY

The provisions of MnDOT 1208 are supplemented and/or modified with the following:

The Bidder shall include with its Proposal a Proposal Guaranty that meets the following requirements:

- (4) Equal to 5 percent of the total amount of the Proposal
- (5) Made payable to the Department
- (6) In the form of a certified check, a cashier's check, or a bond

If providing a Proposal Guaranty in the form of a bond, the bond must meet the following

requirements:

- (1) Issued by a corporation authorized by the Minnesota Department of Commerce to contract as a Surety in the State of Minnesota
- (2) Conditioned on execution of the Contract in accordance with 1306, "Execution and Approval of Contract"

S-8 (1210) REVISION OF PROPOSAL PACKAGE OR WITHDRAWAL OF PROPOSALS

The provisions of MnDOT 1210 are deleted and replaced with the following:

When submitting a Proposal in accordance with 1206.2, "Allowable Substitutions," of these Special Provisions, the Bidder may revise or withdraw its Proposal after delivery to the Department if the Department receives the Bidder's written request for withdrawal or revision before the date and time for opening Proposals.

The Department reserves the right to revise the Proposal Package at any time before the date and time for opening Proposals. The Department will issue a numbered and dated Addendum for any revision of the Proposal Package. The Department will post each Addendum as announced in an e-mail or other method of notification to each Bidder on the Department's list of Bidders.

The Department will include each Addendum with all Proposal Forms issued to the Bidder after the date of the Addendum.

If revisions made by an Addendum require change to Proposals or reconsideration by the Bidder, the Department may postpone opening Proposals. If the Department postpones opening Proposals, the Department will specify the new date and time for opening Proposals in the Addendum.

The Bidder shall acknowledge receipt of each Addendum in the proposal.

S-9 (1212) OPENING OF PROPOSALS

The provisions of MnDOT 1212 are modified with the following:

S-9.1 MnDOT 1212 is hereby deleted from the MnDOT Standard Specifications and replaced with the following:

1212 OPENING OF PROPOSALS

The Department will open Proposals at the time, date, and place defined in the Proposal Package and the Advertisement for Bids.

S-10 (1404) MAINTENANCE OF TRAFFIC, (1707) PUBLIC SAFETY, AND (2563) TRAFFIC CONTROL

The provisions of 1404, 1707, and 2563 are supplemented as follows:

The Contractor shall furnish, install, maintain, and remove all traffic control devices required to provide safe movement of vehicular and/or pedestrian traffic passing through the work zone during the life of the Contract from the start of Contract operations to the final completion thereof. The Engineer will have the right to modify the requirements for traffic control as deemed necessary due to existing field conditions.

Traffic control devices include, but are not limited to, barricades, warning signs, trailers, flashers, cones, drums, pavement markings and flaggers as required and sufficient barricade weights to maintain barricade stability.

The Contractor shall furnish names, addresses, and phone numbers of at least three (3) individuals responsible for the placement and maintenance of traffic control devices. At least one of these individuals shall be "on call" 24 hours per day, seven days per week during the times any traffic control devices, furnished and installed by the Contractor, are in place. The required information shall be submitted to the Engineer at the Pre-construction Conference. The Contractor shall also furnish the names, addresses, and phone numbers of those individuals to the following:

Yellow Medicine County Highway Department
 Yellow Medicine County Sheriff's Department
 (320) 313-3000
 (320) 564-2130

The Contractor shall, at the pre-construction conference, designate a Work Zone Safety Coordinator who shall be responsible for safety and traffic control management in the Project work zone. The Work Zone Safety Coordinator shall be either an employee of the Contractor such as a superintendent or a foreman, or an employee of a firm which has a subcontract for overall work zone safety and traffic control management for the Project. The responsibilities of the Work Zone Safety Coordinator shall include, but not be limited to:

- Coordinating all work zone traffic control operations of the Project, including those of the Contractor, subcontractors and suppliers.
- Establishing contact with local school district, government, law enforcement, and emergency response agencies affected by construction before work begins.
- Maintaining a record of all known crashes within a work zone. This record should
 include all available information, such as: time of day, probable cause, location, pictures,
 sketches, weather conditions, interferences to traffic, etc. These records shall be made
 available to the Engineer upon request.

The Contractor shall inspect, on a daily basis, all traffic control devices, which the Contractor has furnished and installed, and verify that the devices are placed in accordance with the Traffic Control Layouts, these Special Provisions, and/or the MN MUTCD. Any discrepancy between the placement and the required placement shall be immediately corrected. The person performing the inspection shall be required to make a daily log. This log shall also include the date and time any changes in the stages, phases, or portions thereof go into effect. The log shall identify the location and verify that the devices are placed as directed or corrected in accordance with the Plan. All entries in the log shall include the date and time of the entry and be signed by the person making the inspection. The Engineer reserves the right to request copies of the logs as he deems necessary.

Method of Measurement and Basis of Payment:

No measurement will be made of the various Items that constitute Traffic Control but all such work will be construed to be included in the single Lump Sum payment under Item 2563.601 (Traffic Control).

BASIS OF PAYMENT

Partial payments for lump sum Item 2563.601 (Traffic Control) will be made as follows:

S-2 Table SP2563-2 S-3 Traffic Control Partial Payments

5 5 Traine Control Lartial Layments				
Percent of Original	Pay this Percentage			
Contract Completed	of Traffic Control			
5	50			

Percent of Original	Pay this Percentage
Contract Completed	of Traffic Control
10	75
50	95
All Work Completed	100
And All Traffic Control Removed	

S-10.1 Work near airport

The contractor shall conduct operations to allow traffic to and from the Granite Falls Municipal Airport at all times at approximate station 36+93. The contractor shall also provide signage and traffic control to direct traffic around to the north via CSAH 39 or to the south via TH 23 and CSAH 17 to CSAH 39 into the airport access accordingly.

S-11 (1507) UTILITY PROPERTY AND SERVICE

Contractor shall perform construction operations near utility properties in accordance with the provisions of MnDOT 1507, except as modified below:

- S-11.1 Any work performed by the Contractor that does not comply with MnDOT 1507.2 may be considered Unauthorized Work in accordance with MnDOT 1512.2.
- S-11.2 All utilities related to this Project are classified as "Level D," unless the Plans specifically state otherwise. This utility quality level was determined according to the guidelines of CI/ASCE 38-02, entitled "Standard Guidelines for the Collection and Depiction of Existing Subsurface Utility Data."

S-12 (1603.2) SAMPLING AND TESTING

The first paragraph is hereby deleted and replaced with the following:

Sampling and testing of material for this project will be in accordance with the State Aid for Local Transportation (SALT) "Schedule of Material Control – Local Government Agency" (SMC-LGA), latest edition for the 2020 Minnesota Department of Transportation Standard Specifications for Construction. The SMC-LGA established the size of samples and the minimum rate of testing. The SMC-LGA references 2020 MnDOT Standard Specification for Construction and does not set contract requirements for the material.

S-13 (1701) Laws to be Observed

The provisions of MnDOT 1701 are supplemented and/or modified with the following:

Add the following to 1701, "Laws to be Observed":

1701.6 EQUAL PAY

The local agency cannot execute a contract for goods or services or an agreement for goods or services in excess of \$1,000,000 with a business that has 40 or more full-time employees in this state or a state where the business has its primary place of business on a single day during the prior 12 months, unless the business has an equal pay certificate or it has certified in writing that it is

exempt. Bidders may find more information on the Equal Pay Certificate Requirement at Minnesota Statutes Section 363A.44 or at this website:

https://mn.gov/mdhr/certificates/equalpay/

The provisions of MnDOT 1701 are supplemented and/or modified with the following:

Add the following to 1701, "Laws to be Observed":

1701.7 Compliance with Tax Law Requirements

The Department cannot make final payment to the Contractor until the Contractor demonstrates that it and all its Subcontractors have complied with the Income Tax withholding requirements of Minnesota Statutes, section 290.92 and section 270C.66 for wages paid for Work performed under the Contract. To establish compliance, the Contractor must submit a "Contractor Affidavit" either online or in paper form (IC134) to the Minnesota Department of Revenue. The Contractor will receive a written certification of compliance when the Department of Revenue determines that all withholding tax returns have been filed and all withholding taxes attributable to the Work performed on the Contract have been paid. The Contractor must then provide this written certification to the Department to receive final payment.

Every Subcontractor working on the Project must submit an approved "Contractor Affidavit" from the Minnesota Department of Revenue to the Contractor before the Contractor can file its own Contractor Affidavit. The Contractor is advised to obtain the certification from each Subcontractor as soon as the Subcontractor completes Work on the Project. Experience has shown that waiting until the Project is complete to obtain the forms from all Subcontractors is likely to result in significant additional Work for the Contractor as it will be difficult or impossible to collect all forms.

The Department of Revenue, in association with the Department of Employment and Economic Development, offers a free seminar to help Contractors understand tax law requirements. The Department strongly urges the Contractor and all Subcontractors to attend the "Employment Taxes & Employer Responsibilities Seminar" or similarly offered classes. You can find a schedule and more information on the Department of Revenue website (www.revenue.state.mn.us).

Complying with this requirement is considered part of the Work under this Contract. The Department will enforce this requirement equally with all other Contract requirements. The Contractor delay in complying with this requirement will cause the Department to delay final payment and Contract Acceptance. The Department may also report non-compliance to the Department of Revenue, which may result in enforcement action by the Department of Revenue.

Contractor Affidavit requirements and Form IC134 can be found on the <u>Department of Revenue</u> website (www.revenue.state.mn.us).

S-14 (1717) AIR, LAND, AND WATER POLLUTION

NEW 06/28/24

S-14.1 Add the following to MnDOT 1717.2:

The Contractor shall not use recycled concrete aggregate (RCA) in temporary work such as causeways, staging areas, or stockpiles that will be in contact with surface water or groundwater. The Contractor shall:

- 1) Manage stormwater runoff from temporary work such as laydown areas, staging areas, and stockpiles that contain RCA. Prevent any discharge outside of construction limits or into surface water of water that is turbid or has a pH of greater than 8.5 or less than 6.0.
- 2) Monitor runoff from temporary work containing RCA during every stormwater inspection. Check for pH and turbidity. Monitor more frequently if needed to maintain acceptable clarity and pH.
- 3) Provide a Site Management Plan showing how they will manage stormwater runoff, monitor the pH and clarity of runoff, and isolate crushed concrete from surface water and groundwater as described above.

S-15 (1717) MPCA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) CONSTRUCTION STORM WATER (CSW) PERMIT

Construction Stormwater Permits are required for Projects SAP 087-604-018 and SAP 087-630-007.

The Contractor must prevent, control, and abate the pollution of natural resources of air, land and water caused by the Contractor's operations under this Contract in accordance with the rules, regulations, and standards adopted and established by the Minnesota Pollution Control Agency (MPCA), and in accordance with this Contract, the provisions of MnDOT 1717, 2573, 2575, and these Special Provisions including the following:

S-15.1 The County of Yellow Medicine has applied for and received coverage under the above mentioned permit by listing itself as both the Owner and Contractor in the permit application. Upon award of the Contract, the County and the Contractor shall execute the CSW Transfer Form (attached to these Special Provisions) to transfer the contractor responsibilities to the Contractor. The Contractor shall submit the completed form to the MPCA which will amend it to the original permit, thereby making both the County and the Contractor co-permittees for the requirements of the Construction Stormwater General Permit (MN R100001). The Contractor is responsible for those portions of the permit referencing the "operator". This Permit establishes conditions for discharging storm water to waters of the State from construction activities that disturb 1 acre or more of total land area. A copy of the permit is available at http://www.pca.state.mn.us/water/stormwater/stormwater-c.html or by calling 651-296-6300.

There is no fee for the transfer of the permit. The Contractor is not authorized to perform any Project work which disturbs soil or which involves work in waters of the state until the permit transfer forms are signed, dated, and sent to the MPCA. The Contractor must comply with all the requirements of the General Permit that apply to the Contractor's operations during the construction phase of the project. The Contractor shall post the Permit and MPCA's letter of coverage on-site.

S-15.2 The Contractor must provide an Erosion Control Supervisor as per MnDOT 2573.3. The Contractor is solely responsible for all inspections, maintenance, and records required in the General Permit, Section 11. Contractor must use standard forms for logging all required inspection and maintenance activities. Contractor must submit all inspection and maintenance forms used on this Project to the Engineer weekly for retention in accordance with the permit. The Contractor must also have the forms available for on-site review.

The Contractor must immediately notify the Engineer of any site visits by Local Permitting Authorities performed in accordance with Section 24.10 of the permit. The Contractor must obtain the Engineer's approval before starting any work required by regulatory authorities which (1) the Contractor believes will result in additional compensation from Yellow Medicine County; or (2) will impact the design or requirements of the Contract documents or impact traffic.

- S-15.3 The Contractor must use Emergency Best Management Practices to help minimize turbidity of surface waters and relieve runoff from extreme weather events. The Contractor must report a stormwater sediment release from the project site to the Minnesota Duty Officer and the Resident Engineer at the time the Contractor or Department discovers the release. The Contractor must also immediately contact the State Duty Officer (at 1-800-422-0798 or 1-651-649-5451) during any emergency situation involving an uncontrolled stormwater release.
- S-15.4 The Contractor must review and abide by the instructions contained in the permit package. The Contractor will indemnify and hold Yellow Medicine County harmless for any fines or sanctions imposed by a regulatory authority and arising from the Contractor's acts or omissions in complying, or failing to comply, with the permit or erosion control provisions of this Contract.
- S-15.5 The NPDES Permit refers to a Storm Water Pollution Prevention Plan (SWPPP). This Project's SWPPP requirement is addressed throughout the Contract, as well as this Project's Plan. The following table identifies NPDES permit requirements and cross-references where this Contract addresses each requirement. This table is for ease of reference only and may be incomplete.

NPDES Permit Requirements	Cross-Reference within this Contract
Obtain NPDES Permit;	MnDOT 1701, 1702; and 1717
Permit Compliance;	Special Provisions:
Submit Notice of Termination	1717 (National Pollutant Discharge
	Elimination System (NPDES) Permit)
Certified Personnel in Erosion / Sediment	MnDOT 1506, 1717, and 2573;
Control Site Management	Special Provisions:
Develop a Chain of Command	1717 (National Pollutant Discharge
	Elimination System (NPDES) Permit)
Certified Personnel in Erosion / Sediment	MnDOT Specifications 2573
Control Site installation	
Project / Weekly Schedule (for Erosion /	MnDOT 1717 and 2573;
Sediment Control)	Special Provisions:
Completing Inspection / Maintenance Log /	1717 (National Pollutant Discharge
Records	Elimination System (NPDES) Permit);
	and
Project Specific Construction Staging	The Plans;
	MnDOT 1717;
	Special Provisions:
	1717 (National Pollutant Discharge
	Elimination System (NPDES) Permit);
	and
	1806 (Determination and Extension of
	Contract Time)
Temporary Erosion / Sediment Control	The Plans;
	MnDOT 2573, 2574 and 2575

NPDES Permit Requirements	Cross-Reference within this Contract
Maintenance of Devices / Sediment removal	The Plans;
Removal of Tracked Sediment	MnDOT 1717.2 and 2573.3K, 2573.3.R.;
Removal of Devices	Special Provisions:
	1514 (Maintenance During Construction),
	and
	1717 (National Pollutant Discharge
	Elimination System (NPDES) Permit)
Dewatering	MnDOT 2573.3.A.6, 3875;
	May also require DNR Permit
Temporary work not shown in the Plans	MnDOT 1717, 2573, 2574 and 2575;
Grading areas (unfinished acres exposed to	Special Provisions:
erosion)	1717 (National Pollutant Discharge
	Elimination System (NPDES) Permit),
	2574.3.A.1
Permanent Erosion / Sediment Control and Turf	The Plans;
Establishment	MnDOT 1717, 2573, 2574, and 2575;
	Special Provisions:
	1717 (National Pollutant Discharge
	Elimination System (NPDES) Permit)

S-16 (1804) PROSECUTION OF WORK (CONSTRUCTION)

- S-16.1 The Contractor shall provide weekly schedule updates to the Engineer or their on-site designated representative.
- S-16.2 The Contractor shall begin bituminous paving a maximum of 14 calendar days after milling of the existing roadway surface. Should the Contractor fail to pave after the specified time limit, the Engineer will assess liquidated damages as set forth in Special Provision 1807 and MnDot 1807.

S-17 (1806) DETERMINATION AND EXTENSION OF CONTRACT TIME

S-17.1 Contractor must complete all Work to meet the requirements of 1516.2 (Project Acceptance) under this Contract on or before Friday, September 26, 2025.

This contract allows for a flexible start date between for mill and overlay projects (SAPs: 087-601-013, 087-642-003, 064-646-008, and 087-646-008) between May 12th and June 16th, 2025.

Flexible starting date between July 14th and August 11th, 2025, for aggregate surfacing and bituminous paving projects SAPs 087-604-018 and 087-630-007.

S-17.2 Contractor must cease all construction operations at noon on Friday prior to Memorial Day and Labor Day, and at noon on July 3, 2025. No work will be permitted on Holidays.

S-17.3 Contractor must complete all work under this Contract within 90 Calendar Days of receipt of the Semi-Final Estimate in accordance with MnDOT 1908.2 After 90 days, Contractor will lose the right to file a claim and Department will close the project and make final payment.

S-18 (1807) FAILURE TO COMPLETE THE WORK ON TIME

S-18.1 The Department will deduct liquidated damages from money due the Contractor for each calendar day that the Work remains incomplete after expiration of the Contract Time, according to the completion requirements of 1516.2 (Project Acceptance). The Engineer will deduct liquidated damages based on the original Contract Amount and Table 1807.1-1.

S-19 (1906) PARTIAL PAYMENTS

Specification 1906 pertaining to partial payments is modified as follows:

S-19.1 From the total of the amounts ascertained as payable on each partial payment estimate, five (5) percent will be retained to protect the County's interests in consideration of changes or assessments against the Contractor. Partial payments will be withheld if payroll statements or traffic control checklists have not been completed or submitted.

S-20 (1910) COST ESCALATION

The provisions of MnDOT 1910 are hereby supplemented with the attached Fuel Escalation Clause.

S-21 (2011) CONSTRUCTION SURVEYING for SAP 087-604-018 and 087-630-007 REVISED 04/14/23

S-21.1 DESCRIPTION

This Work consists of Contractor provided Construction Surveying in accordance with MnDOT 1401 and MnDOT 1508.

MnDOT 1508 is herewith modified to the extent that the Contractor shall meet all the requirements of, and provide all the services listed in, MnDOT 1508 which would otherwise be provided by the Department.

Furthermore, in accordance with MnDOT 1401, the Contractor is advised that the Contract may not fully describe every detail or make specific allowances for all probable exceptions and contingencies related to the Construction Surveying requirements.

Additional best management practices (BMP's) for Construction Surveying are identified in Appendix A of the MnDOT Surveying and Mapping Manual, in addition to the requirements shown below:

S-21.2 MATERIALS – Blank

S-21.3 CONSTRUCTION REQUIREMENTS

A Surveying to be Performed by the Department

The Department will set the initial horizontal and vertical control points in the field for the Project as indicated in the Plans. Upon request, the Department will also provide electronic data on the control so established. This electronic data will be provided in the format that was used in the accomplishment of the surveys for the Plans and Plan development. However, due to the many different processes that the design survey data goes through and the large variety of sources of input in the final production of the Plans, no warrantee is made as to the value or adaptability of the electronic data to the Surveyor. No warrantee is made that the data systems used by the Department or any consultants employed by the Department for Surveying or Plan preparation will be compatible with the systems used by the Contractor's Surveyor. Information shown on the printed "Plan" shall always govern over any electronic "Plan" data.

The Engineer will mark in the field the length and width of mailbox widenings, approaches, paved shoulders, intersections, and any other pavement widths different than as shown on the typical section(s) in the plans . The Contractor will be responsible to establish the vertical elevations of all aggregate surfacing and final paving elevations from the electronic files provided by the Engineer including any and all super elevations of the roadway.

The Engineer may perform spot checks upon the Contractor's surveying calculations, records, field procedures, and actual staking. If the Engineer determines that the work is not being performed in a manner that will assure proper controls and accuracy, the Engineer will order the Contractor to redo such work, to the standards specified in the Contract, at no additional cost to the Department.

A.1 Pay Quantities

The Engineer will measure the following pay quantities:

As specified in each individual specification upon which payment will be made.

A.2 Final Monumentation

The Department will be responsible for setting the following final monumentation:

Horizontal Control Vertical Control Alignment Right of Way

B Construction Surveying by the Contractor

B.1 Contractor Construction Surveying Requirements

Construction Surveying is defined as accurately providing all necessary computations, stakes and marks to establish lines, slopes, elevations, points, continuous profile grades in accordance with MnDOT 1508 and the requirements shown in the Plans for Construction Staking; so that the Contractor's forces are able to construct all required work for the Project in accordance with the Contract requirements; and so that the Engineer and Inspectors are able to complete all necessary inspection and Contract Administration duties. The staking shall include, but not be limited to, clearing and grubbing, removals, grading, culverts, embankments, borrow, aggregate base course, pavements, bridges, utilities, signs, pavement markings, erosion control and turf establishment items to complete the Project as represented in the Plans. The Surveying must be done in a way that is timely, and that is reflective of the continuing and ongoing nature of construction and inspection activities which will generally require frequent, separate Project visits by the Contractor's survey crew to the Project to accommodate the various stages of construction and inspection activities that will occur.

The Surveyor shall be prepared to make all necessary surveying checks for field verification of actual conditions and shall make the necessary minor surveying and

staking adjustments to fit the construction to actual field conditions. In addition, some Plan details may be dependent upon actual field conditions at the time of construction. It may be necessary to perform some field survey or office computations in order to stake these components. All work referred to in this paragraph is considered part of the work of Construction Surveying and no additional payment will be made for this work.

The Contractor shall retain a Professional Land Surveyor or Professional Engineer, licensed in the State of Minnesota, to directly supervise the Construction Surveying. Any determination of, or marking of, Right of Way must be performed under the supervision of a Licensed Land Surveyor. Additionally, an individual holding a National Society of Professional surveyors (NSPS) Level III certification in Construction Surveying, a Land Surveyor in Training (LSIT), or a Professional Land Surveyor or Professional Engineer, shall be on the Project site at all times to directly supervise the survey crew(s).

The Contractor shall:

- (1) Be responsible for the preservation of all reference points, monuments, government land corners, horizontal and vertical control points, stakes, and marks that are established by the Department or others within the Project limits. If the Contractor or its surveyor fails to preserve these items and if they must be reestablished by the Department, the Department will charge the Contactor on an hourly rate as shown in S-18.5.
- (2) Be responsible to review, balance, adjust, correct, and investigate the Department provided data and to perform work on survey data and control points that may be necessary to use the survey points and data, all at no additional cost to the Department, unless it is determined by the Engineer that latent errors existed in the information provided by the Department.
- (3) Start and end all level runs, traverses, or Global Positioning System (GPS) control surveys, from known control. Complete all control surveys at no worse than the standards specified for supplemental control in Chapter 2, Surveying and Mapping Manual.
- (4) Unless otherwise agreed to, set all stakes and marks in accordance with the Staking Information Sheets included in the Plans.
- (5) Furnish and install traffic control devices in accordance with the *Minnesota Temporary Traffic Control Field Manual Part VI*, (MN MUTCD), when crew members are exposed to traffic.
- (6) Perform all Construction Surveying for all Project construction as shown in MnDOT 1508, and shall install reference points as needed for the use of any public utility crews that are staking or accomplishing utility relocation or construction associated with this Contract.
 - (a) From Horizontal and Vertical Control Points established by the Engineer.
 - (b) According to the Plans, Proposal, and Standard Specifications.
 - (c) According to the Surveying and Mapping Manual.

- (d) According to actual existing field conditions.
- (7) Perform Bridge and Structure Construction staking which includes setting and reestablishing Working Points and Reference Points by XYZ coordinates to provide line and grade during all stages of work, and at all substructures and segments of Bridge or Structure Construction, as shown below:
 - (a) Establish Working Points or Reference Points, approved by the Engineer, on the ground as shown on the Bridge Layout Sheet in the Plans.
 - (b) Transfer of required points from the ground to the top of footing after completion of concrete footing construction. If the structure is a curved wall or bridge edge of slab, curb, coping, median, or railing, the Contractor's Surveyor shall mark a curved line on the footings, forms, or deck slab, to the proper degree of curvature within 1/8 inch in 10 feet, 1:1000, as needed for construction and inspection activities.
 - (c) Transfer required points to the top of all finished structures.
 - (d) Transfer required points to the superstructure deck forming. (The Department will complete all work associated with beam stool elevations.)
- (8) Bear all costs, including but not limited to the cost of actual reconstruction of Contract work, that may be incurred due to errors in Contractor's Construction Surveying.
- (9) Document surveying during construction in a form acceptable to the Engineer and allow the Engineer access to surveying notes and calculations. The survey documentation includes:
 - (a) Control station monumentation with reference ties.
 - (b) Field notes that were used to set construction stakes, control the Project, and document monument locations. The Contractor shall use bound, hard cover field books for recording survey data and field notes; store field notes on an electronic medium; or use both methods. If an electronic medium is used, the raw field data files must be available. When using an electronic medium, the Contractor shall make all files and data available in the Standard formats used by the Department.
- (10) Provide the following As-built Survey Data to the Engineer:
 - (a) Centerline and edge of pavement elevations at 100 ft stations in straight sections and 50 ft stations in curves for the following:
 - (i) top of finished aggregate surface prior to paving.
 - (ii) top of finished bituminous surface after completion of all lifts of bituminous paving.
 - (b) Changes from the Plans
 - (i) Alignment
 - (ii) Profile
 - (c) Locations of utilities relocated or emplaced as part of the Project

- (d) Identify any alignment, Right of Way, property, or control monumentation destroyed during the Project
- (e) Any alignment, Right of Way, property, or control monumentation that was placed during the Project and that still exists at Project completion.
- (f) The information shall include the x, y and, if applicable, the z coordinates in the Project datum. If the original item had no coordinate reference, then show the revised centerline station and offset.
- (g) The information shall be provided in both electronic (AutoCAD and Civil3D) and hard copy format.
- (h) In the case of new monumentation, there should also be a report describing how the monumentation was placed. This will include copies of any fieldwork (traverse or leveling) as well as any adjustments used. It shall also include tie sheets, to include a description of the physical object placed as the monument.
- (11) Furnish survey documentation and As-built Survey Data to the Engineer within the time limits indicated in the surveying work schedule.

B.2 Contractor Construction Surveying Activities

- (1) The Contractor shall give the Engineer a 14 calendar day written notice before the Contractor needs the Department to establish any horizontal and vertical control points shown in the Plans for Construction Surveying.
- (2) At the preconstruction conference, the Contractor shall submit to the Engineer for approval a written Construction Surveying Work Plan and Schedule detailing:
 - (a) Pertinent information as to how the requirements in these specifications, and the requirements in Appendix A of the *Surveying and Mapping Manual*, are being met by the Contractor's Surveyor.
 - (b) A Project specific Construction Surveying Work Schedule for the Construction Surveying and how it relates to the time frame for construction activities and the Department inspection needs.
 - (c) A proposed method of communications between the Contractor, Surveyor, and the Engineer.
 - (d) How and when the Contractor's Surveyor will make delivery of the As-built Survey Data to the Department.
- (3) During the course of construction, the Contractor shall give notice of commencement of any Construction Surveying activities according to 1803.4, "Temporary Suspensions".

S-21.4 METHOD OF MEASUREMENT

The Engineer will measure Construction Surveying as a lump sum in accordance with MnDOT 1901.12.

S-21.5 BASIS OF PAYMENT

The Contract Unit Price for Construction Surveying is compensation in full for Equipment, Materials and labor required to complete the Work.

C Excess Checking

If the Department sustains undue costs in checking excessive amounts of Contractor Construction Surveying, or must perform survey work that is the Contractor's responsibility, the Engineer may deduct Department's cost from monies due or becoming due the Contractor in accordance with the following rates:

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Registered Engineer or Licensed Land Surveyor	\$150 per hour
3-person crew and equipment	\$250 per hour
2-person crew and equipment	\$195 per hour
1-person with equipment	\$110 per hour

D Payment Schedule

The Department will provide partial payments for construction surveying in accordance with the following table:

Table SP2011-1
Construction Surveying Partial Payments

Percent of Original Contract Complete	Pay this Percentage of Construction Surveying		
5	20		
15	50		
50	75		
90	90		

^{*} The percent of Original Contract Amount = the amount earned by the Contractor, excluding money earned for mobilization and material on hand, divided by the total value of the original contract (all contract items).

The Contractor will receive the final 10 percent of the lump sum bid price when the survey computations, notes, miscellaneous documents, and As-built Survey Data as specified have been received and accepted by the Engineer within the time limits specified by the Survey Work Schedule. If the Contractor fails to provide acceptable documentation and the As-built Survey Data within the time limits specified, the Department reserves the right to reduce the lump sum payment for Contractor Construction Surveying by a percentage of up to 10 percent of the lump sum bid price.

E Payment for Extra Work

When the Engineer determines that extra or additional Construction Surveying beyond the scope of the original Contract is required and orders the Contractor to accomplish this work, compensation will be made as Extra Work in accordance with MnDOT 1904 and at the same rate shown for a Department survey crew above. If the Construction Surveying is accomplished by a Subcontractor, the prime Contractor allowance will be five percent.

F Schedule

The Department will pay for Construction Surveying on the basis of the following schedule:

Item No.	Item	<u>Unit</u>
2011.501	Construction Surveying	lump sum

S-22 (2051) MAINTENANCE AND RESTORATION OF HAUL ROADS

The provisions of 2051 are hereby supplemented by the following:

- S-22.1 Maintenance and restoration of haul roads will be made in accordance with 2051 except as follows. Maintenance and restoration of haul roads will be considered to be incidental work and no direct compensation will be paid. All materials shall be hauled as legal loads.
- S-22.2 The Contractor shall comply with the legal load restrictions throughout the county in the hauling of materials and the movement of equipment.

S-23 (2104) REMOVING PAVEMENT AND MISCELLANEOUS STRUCTURES REVISED 06/30/22

S-23.1 Delete and replace MnDOT 2104.5 with the following: BASIS OF PAYMENT

All removal and disposal operations shall be incidental. The removal of unforeseen obstruction requiring in the opinion of the Engineer equipment or handling substantially different from that employed in excavation operations, will be paid for as Extra Work in accordance with 1402.5.

S-23.2 Saw cuts shall be completed as shown on the plans and as directed by the engineer. Saw cuts shall be incidental to bituminous paving and no payment shall be made, therefore.

S-24 (2118) SURFACE PREPARATION

- S-24.1 Compaction shall be obtained by the Quality Compaction Method. Moisture testing will be performed at the discretion of the Engineer.
- S-24.2 At the time the Surface Preparation operations have been completed, the prepared surface shall be in reasonably close conformity with the cross sections in the Plans and the lines and grades as directed by the Engineer.
- S-24.3 The existing material shall be shaped and spread on the middle 34' to the finished gravel profile. Excess materials shall be spread and re-laid on the outside edges and shoulders. This work is to be incidental to Surface Preparation and no additional payment will be made.
- S-24.4 The intersections, driveways and entrances shall be cut out and shaped for paving. Excess materials shall be spread and re-laid on the outside edges, shoulders and/or driveways, entrances, and cross-roads. This work is to be incidental to Surface Preparation and no additional payment will be made.

S-25 (2211) AGGREGATE BASE

Aggregate base courses shall be constructed in accordance with the provisions of MnDOT 2211 except as modified below:

S-25.1 Compaction shall be achieved by the "Quality Compaction Method" described in MnDOT 2211.3D2.

- S-25.1 All material shall be blended prior to placement. Directly picking up material and placing on the roadway without blending will be strictly prohibited.
- S-25.2 Daily random weight checks (minimum of one/day per type of hauling unit) on a certified scale will be required and a conversion factor of 1.4 tons = 1 cu. yd. will be used.
- S-25.3 It will be the <u>contractor's</u> responsibility to ensure that loads are placed so that they can be seen and counted by county personnel. Loader scale records will **not** be sufficient documentation to account for "missed" loads.

S-26 (2221) SHOULDER BASE AGGREGATE CLASS 5 MOD

Aggregate base courses shall be constructed in accordance with the provisions of MnDOT 2221, except as modified below:

- S-26.1 Compaction shall be achieved by the "Quality Compaction Method" described in MnDOT 2211.3D2.
- S-26.2 Daily random weight checks (minimum of one/day per type of hauling unit) on a certified scale will be required and a conversion factor of 1.4 tons = 1 cu. yd. will be used.
- S-26.3 Aggregate Base Class 5 (Modified) shall have the gradation modified to require 6% 12% passing the #200 sieve.
- S-26.4 It will be the <u>contractor's</u> responsibility to ensure that loads are placed so that they can be seen and counted by county personnel. Loader scale records will **not** be sufficient documentation to account for "missed" loads.

S-27 (2232) MILL BITUMINOUS SURFACE

S-27.1 Bituminous millings are to become the property of the contractor and may be used on the projects as the contract allows and per MnDot specifications. All excess millings to be removed from the project.

S-28 (2360) PLANT MIXED ASPHALT PAVEMENT (LOCAL GOVERNMENT UNIT)

REVISED 06/30/22

S-28.1 Add the following to MnDOT 2360.1B:

Mix Designation Numbers for the bituminous mixtures on this Project are as follows:

For Projects SAP 087-601-013 and SAP 087-642-003:

Type SP 12.5 Wearing Course Mixture (2,C) SPWEB230C

For Projects SAP 087-604-018, and SAP 087-630-007:

Type SP 12.5 Wearing Course Mixture (2,C)

Type SP 19.0 Nonwear Course Mixture (2,C)

SPWEB230C

SPNWC230C

For Projects SAP 064-646-008 and SAP 087-646-008:

Type SP 12.5 Wearing Course Mixture (2,B) SPWEB240B

S-28.2 Pavement smoothness requirements will be evaluated by MnDOT 2018 – (2399) Pavement Surface Smoothness Specification as follows:

Equation HMA-A For new pavement sections of projects SAP 087-604-018 and SAP 087-630-007

Equation HMA-B For mill and overlay projects (SAP 087-601-018, SAP 064-646-008, and 087-646-008)

Equation HMA-B For mill and overlay sections of Projects SAP 087-604-018 and SAP 087-630-007

- S-28.3 All cores, including companion cores, to be taken by the Contractor.
- S-28.4 Delete and replace the first paragraph of MnDOT 2360.3D.1 with the following:

Compact the pavement to at least the minimum required Maximum Density values in accordance with Table 2360.3-1.

- S-28.5 Delete and replace Table 2360.3-2of MnDOT 2360.3D.1 with BLANK.
- S-28.6 Delete and replace MnDOT 2360.3D.1.j with the following:

D.1.j Companion Core Testing

The Department will select at least one of the two companion cores per lot to test for verification.

- S-28.7 Delete and replace MnDOT 2360.3D.1.n with BLANK.
- S-28.8 Delete and replace MnDOT 2360.3D.1.p with BLANK.
- S-28.9 Delete and replace Table 2360.5-6 of MnDOT 2360.5B.13 with BLANK.
- S-28.10 Delete and replace Table 2360.5-7 of MnDOT 2360.5B.13 with BLANK.
- S-28.11 For Project SAP 064-646-008 and 087-646-008: Maximum Density Percentage and Mat Density Pay Factors shall follow the tables 2360.5-4 and 2360.5-5 except that the maximum pay factor in these tables will be 1.0 and that there will be no incentives.
- S-28.12 Night paving operations are prohibited.
- S-28.13 The Department will not pay for any lost Contractor asphalt production or delivery rates at any time, for any give reason. The scheduling of work, operations, and production rates are the responsibility of the Contractor.

S-29 (3139) GRADED AGGREGATE FOR BITUMINOUS MIXTURES

- S-29.1 Table 3139.2-3, Mixture Aggregate Requirements: The maximum total spall in fraction retained on the No. 4 sieve and the maximum spall content in the total sample will be 1.0% for the upper lift and 2.5% for the lower lift.
- S-29.2 The intent of this specification change of creating spall content requirements equivalent to a level 4 mix, is to reduce the prevalence of iron oxides in the mix.

S-30 TRUCKS AND LOADING REQUIREMENTS

The maximum load for any truck or truck trailer combination shall be the maximum allowable loading weight limits under Minnesota Statutes.

Due to excessive road damage in the past, vehicles with tridem axles must have dual tires on 2 of

the 3 rear axles. The Contractor will not be allowed to haul on this Contract using tridem axles with single tires or 2 tires per axle, except as noted above, even though load limits would be legal.

When bidding this Project, the Contractor should take into consideration the cost of converting vehicles to meet this specification.

S-31 WORK WITHIN RAILROAD RIGHT OF WAY

CSAH 1 and CSAH 42: On SAP 087-601-013 and SAP 087-642-003, Twin Cities & Western (TC&W) Railroad Company has one railroad crossing on CSAH 1 and two railroad crossings on CSAH 42.

Any work within 25 feet of railroad tracks will require a railroad flagger. The flagger will be supplied by Twin Cities & Western Railroad Company at a rate of \$250 per hour. The Contractor shall provide TC&W 7 calendar days' notice for a flagger.

To schedule a flagger, contact the following: Greg Graham General Manager of Maintenance Twin Cities & Western Railroad Company 2925 12th Street E. Glencoe, MN 55336 Office: 320-864-7214

Cell: 612-655-3361 Fax: 320-864-7205 GGraham@TCWR.NET

Should the Contractor fail to provide the required notice or be found to be working within 25 feet of the railroad tracks. TC&W will charge the Contractor an emergency flagging rate of a minimum of \$2,500 plus flagger time. Actual determination of the emergency flagging charges is at the sole discretion of the TC&W.

Railroad protective liability insurance is not required by TC&W. See S-30 for other insurance requirements.

TC&W will invoice the Contractor for labor and materials for any damage to the railroad material.

All cost associated with the permit/license shall be included in the Lump Sum price for Traffic Control.

The Contractor is responsible for paying for all railroad fees including but not limited to flagging, emergency fees and any damage to railroad property.

S-32 <u>INSURANCE</u>

Section I. General Requirements

A) Acceptable to the County

Insurance companies must be acceptable to the County. If self-insured, review of financial information may be required.

B) Coverage Term

Provide insurance certificates at time of performance and payment bond is required. Coverage needs to be in force for complete term of contract. If insurance expires during the term of the contract, a new certificate must be received by the County at least ten (10) days prior to the expiration of this insurance. This new insurance must still meet the terms of the original contract.

C) Cancellation

Insurance policies shall contain a provision that states that coverage will not be cancelled without 30 days prior written notice to the County.

D) Deductible

Contractor is responsible for any deductible or self-insured retention contained within the insurance program.

E) Termination

In the event contractor fails to keep in effect at all times the specified insurance coverage, the County may, in addition to any other remedies it may have, terminate the contract upon the occurrence of such event, subject to the provisions of the contract.

F) Primary

Any insurance required to be carried shall be primary, and not excess, to any other insurance carried by the County.

Section II. Insurance Requirements

A) Commercial General Liability

Contractor shall maintain general liability with limits of not less than \$1,500,000 per occurrence for bodily injury and property damage liability combined, with a \$3,000,000 aggregate. The policy shall include coverage for liabilities arising out of premises, operations, independent contractors, products, completed operations, personal & advertising injury, and liability assumed under an insured contract. This insurance shall apply separately to each insured against whom claim is made or suit is brought subject to the contractor's limit of liability. The policy must include Yellow Medicine County, its officers, agents, employees and servants as additional insureds, but only insofar as the operations under the contract are concerned.

B) Automobile Liability

Contractor shall maintain motor vehicle liability with limits of not less than \$1,500,000 per accident. Such insurance shall cover liability arising out of a motor vehicle including owned, hired, and non-owned motor vehicles.

C) Workers' Compensation/Employer's Liability

Contractor shall maintain statutory workers' compensation and employer's liability coverage for all its employees who will be engaged in the performance of the contract, including special coverage extensions where applicable. Employer's liability limits of \$1,500,000 shall be required.

D) Term

Insurance shall remain in effect until county has fully accepted the project as complete and issued final payment.

E) Prior to the effective date of this contract, and as a condition precedent to this contract, the Contractor shall cause its insurance company to furnish the County with certificates of bonding and insurance listing that both Yellow Medicine County and Redwood County as "Additional Insured".

1910 Fuel Escalation Clause

The provisions set forth in 1910, "Cost Escalation" are hereby supplemented with the following:

This provision provides for compensation adjustments in the cost of motor fuels (diesel and gasoline) consumed in prosecuting the Contract work. The Engineer will calculate the Fuel Cost Adjustments. Payments or credits will be applied to progress, semi-final, and final payments for work items set forth herein.

The Department will establish a Base Fuel Index (BFI) for fuel to be used on the Contract. The BFI will be the average of the high and low rack prices shown for Ultra Low Sulfur Diesel Undyed in the "DTN FastRack" for the day of the Contract letting.

A Current Fuel Index (CFI) in cents per gallon will be established for each week. The CFI will be the average of the high and low rack prices shown for Ultra Low Sulfur Diesel Undyed in the "DTN FastRack" indicated each Wednesday.

The Engineer will compute the ratio of the CFI to the BFI (CFI/BFI) each week. If that ratio is between 0.85 and 1.15, no fuel adjustment will be made for the week following the CFI computation. If the ratio is less than 0.85, a credit to the Department will be computed. If the ratio is greater than 1.15, additional payment to the Contractor will be computed.

Credit of additional payment will be computed as follows:

- 1. The Engineer will estimate the quantity of work done in that week under each of the Contract items listed in Table 1910-1.
- 2. The Engineer will compute the gallons of fuel used in that week for each of the Contract items listed in Table 1910-1 by applying the unit fuel usage factors shown.
- 3. The Engineer will determine the Fuel Cost Adjustment (FCA) from the following formulas
 - a. If the CFI is greater than the BFI: [(CFI/BFI)-1.15]*Q*BFI = amount of FCA to be paid to the Contractor.
 - b. If the CFI is less than the BFI: [(CFI/BFI)-0.85]*Q*BFI = amount of FCA to be credited to the Department
 - i. FCA = Fuel Cost Adjustment (cents)
 - ii. CFI = Current Fuel Index (cents per gallon)
 - iii. BFI = Base Fuel Index (cents per gallon)
 - iv. Q = Weekly total gallons of fuel per item

Basis of Payment

A FCA payment to the Contractor will be made as a price adjustment to each eligible item for each payment period based on the last published CFI. An FCA credit to the Department will be deducted each payment period

from any monies due the Contractor. Only items shown in Table 1901-1 will be considered for compensation adjustments.

Table 1901-1 Schedule of Work Items

Specification Number	Item	Unit	Gallons of Fuel per Unit
2105	Common Excavation	СУ	0.17
2105	Rock Excavation	СУ	0.27
2105	Muck Excavation	СУ	0.17
2105	Subgrade Excavation	СУ	0.17
2105	Unclassified Excavation	СУ	0.23
2105	Granular Borrow (EV)	СУ	0.17
2105	Granular Borrow (CV)	СУ	0.19
2105	Granular Borrow (LV)	СУ	0.14
2105	Select Granular Borrow (EV)	СУ	0.17
2105	Select Granular Borrow (CV)	СУ	0.19
2105	Select Granular Borrow (LV)	СУ	0.14
2105	Common Borrow (EV)	СУ	0.17
2105	Common Borrow (CV)	СУ	0.19
2105	Common Borrow (LV)	СУ	0.14
2105	Topsoil Borrow (EV)	СУ	0.17

Specification Number	Item	Unit	Gallons of Fuel per Unit
2105	Topsoil Borrow (CV)	СУ	0.19
2105	Topsoil Borrow (LV)	СУ	0.14
2106	Excavation – Common	СУ	0.17
2106	Excavation – Subgrade	СУ	0.17
2106	Excavation – Rock	СУ	0.27
2106	Excavation – Muck	СУ	0.17
2106	Common Embankment (CV)	СУ	0.19
2106	Granular Embankment (CV)	СУ	0.19
2106	Select Granular Embankment (CV)	СУ	0.19
2106	Select Granular Embankment (CV) Modified (%) (CV)	СУ	0.19
2211	Aggregate Base	Ton	0.55
2211	Aggregate Base (LV)	СУ	0.77
2211	Aggregate Base (CV)	СУ	0.99
2211	Open Graded Aggregate Base (CV)	СУ	0.99
2211	Shoulder Base Aggregate, Class	Ton	0.55
2211	Shoulder Base Aggregate (LV), Class	СУ	0.77
2211	Shoulder Base Aggregate (CV), Class	СУ	0.99

Specification Number	ltem	Unit	Gallons of Fuel per Unit
2232	Mill Bituminous Surface t inches	SY	0.019*t
2301	Concrete Pavement t inches	SY	0.027*t
2301	Place Concrete Pavement t inches	SY	0.027*t
2360	Type SP () Wearing Course Mixture	Ton	0.90
2360	Type SP () Wearing Course Mixture	Ton	0.90
2360	Type () Mixture t inches thick	SY	0.051*t
2501	Pipe Culvert	Lin Ft	0.70
2501	Pipe Arch Culvert	Lin Ft	0.70
2501	Pipe Culvert Des 3006	Lin Ft	0.70
2503	Pipe Sewer	Lin Ft	0.70
2503	Pipe Arch Sewer	Lin Ft	0.70
2503	Pipe Sewer Des 3006	Lin Ft	0.70

t = Thickness in inches

The Department will not pay adjustments for pipes less than 12" in diameter, jacked pipes, or directionally drilled pipes.

The Department will not pay adjustments for fuel used for drying or heating aggregates.

2024

SALT Schedule of Materials Control



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Introduction

This Schedule of Materials Control (SMC) outlines the <u>MINIMUM</u> testing requirements for State Aid Funded and/or Federal Aid Projects **OFF** the National Highway and Trunk Highway System. Optional to this SMC is the MnDOT Materials Control Schedule. Usage of either schedule must be defined in the project proposal.

The SMC – LGA serves as a guide for material testing with allowable acceptance "as directed by the Engineer" detailed in Specification 1501.1(1) – Authority of the Engineer. These testing rates are a minimum and additional test may be taken at the Engineer's discretion. A minimal testing rate does not always ensure a quality product; field observations and attention to detail is crucial. Materials not listed on an approved products list may be sampled and tested as directed by the Engineer. Materials listed on a Qualified Products list may be accepted or tested at the discretion of the Engineer.

Federal Aid projects require Independent Assurance Inspection. Contact the MnDOT District IA Inspector when the job starts to provide the proper servicing of your project.

- ***Agencies using MnDOT Metro Inspection Services will be sampled at the current MnDOT Schedule of Materials Control rates and will be billed accordingly.
- ***Contact the MnDOT District IA Inspector to provide servicing for your federal aid project.

Definitions

Schedule of Materials Control

Schedule of Materials Control (SMC) are inserted into project proposals to direct how materials are to be sampled and tested. The SMC is updated yearly. Each SMC is project specific. Therefore, one needs to refer to their specific proposal.

Approved/ Qualified Products List

Products are "approved" when they have been found to routinely meet all applicable standards and specifications. The product is placed on the list based upon established successful manufacturer's quality control and warranties, but the listing may expire or require periodic renewal to verify the product has not changed over time. The approval process for the individual product should specify any expiration requirement. Testing may still be on at the Engineers discretion.

Certified Sources

Certified Sources must comply with each individual product's defined "certification procedure". Acceptance of products from certified sources follows the same sampling and testing as "approved/ qualified" products.

Quality control (QC): The activities performed by the **Contractor/Producer** that have to do with making sure the quality of a product or process meets the relevant contract requirements. All testing shall be performed by a certified tester.

Quality assurance (QA): The activities performed by the **Department/Agency** that have to do with making sure the quality of a product or process meets the relevant contract requirements. All testing shall be performed by a certified tester.

Verification Testing: Sampling and testing performed as called out herein to validate the quality of the product(s). **Part of QA.**

Material Acceptance Summary Instructions



Rev. February 2019

SP/SAP(s)

	Item Desci	ription	Approved/	Certificate	Accepted by
Bid Item/	item Description		Qualified	of	Engineer*
Spec No.			Product List	Compliance	(date)
			(date checked)	(date_rec'd)	†
2105.604	Geotextile Fabric	extile Fabric		5/26 18	6/6/18
2105.604	Soil Stabilized Geogrid		5/39/18	5/30/18	6/6/18
2357.506	Bituminous Material for Tack	Coat	6/6 / 18	6/6/18	6/6/18
2573.503	Silt Fence, Type MS	Example	5/14/18	5/14/18	6/6/18
2582.503	Epoxy Pavement Marking	Project	7 /30/18	7/30/18	7/31/18
3592	Drop-on Glass Beads		7/30/18	7/30/18	7/31/18
2574.508	Fertilizer Type 3			8/6/18	8/6/18
2575.508	Seed Mixture 22-111	* /	8/6/18	8 / 6/18	8/6/18
				1	
		/		1	
				Dot	e accepted
		Date checked the		Dai	by the
		Approved/Qualified		-	engineer.
		product list. Print	1		
		and file copy of approved list on	Date	e the	
		acceptance date.	certification was received. See specification 1603.3		

* This item is hereby accepted by the Engineer as materially compliant for use on this project per the terms of specification 1501.1, subset (1).			
Approved by Project Engineer:		Date:	

Material Acceptance Summary

STATE AID FOR LOCAL TRANSPORTATION Rev. February 2019 MATERIAL ACCEPTANCE SUMMARY				
SP/SAP(s)			
Bid Item/ Spec No.	Item Description	Approved/ Qualified Product List (date checked)	Certificate of Compliance (date rec'd)	Accepted by Engineer* (date)
				2
				8

This item is hereby accepted by the Engineer as per the terms of specification 1501.1, subset (1).	materially compliant for use on this project
Approved by Project Engineer:	Date:
Print Name:	Phone:

For an electronic Word version of this form, please visit the State Aid Construction webpage at: https://edocs-public.dot.state.mn.us/edocs_public/DMResultSet/download?docId=19623193

Bituminous Quality Management

The Contractor shall provide and maintain a quality control program as detailed in Specification 2360.2.G. The Engineer shall review the quality control program for compliance. This shall be provided at the precon.

	Type of Test	Spec Section (1)	Contractor / Producer – QC Testing Rates	Agency – QA Testing Rates	
Start-Up Testing Rates for the 1st 2000 tons (2)	Bulk Specific Gravity	2360.2.G.7.b	4	(3) (10) 1 Verification Mixture Sample test per day, all Verification samples	
or 1	Maximum Specific Gravity	2360.2.G.7.c	1 test per 500		
is f	Air Voids (calculated)	2360.2.G.7.d	tons 55 lb. sample		
esting Rates 2000 tons (2)	Asphalt Content	2360.2.G.7.a	3 full cylinder		
g R) to	Adj. Asphalt Film Thickness (AFT)	2360.2.E.7.e	molds		
tin 200	Gradation	2360.2.G.7.f	(7)		
Tes 2(Fines to Effective Asphalt Ratio (calculated)	2360.2.G.7.a/f	(2)	are from a split	
Up T	Coarse Aggregate Angularity (CAA)	2360.2.G.7.g	1 test per 1000	(QC/QA) sample.	
重	Fine Aggregate Angularity (FAA)	2360.2.G.7.h	tons		
Sta	Added AC/Total AC Ratio (calculated)	2360.2.G.7.a	(4) (5) (6) (7)		
	Bulk Specific Gravity	2360.2.G.7.b			
	Maximum Specific Gravity	2360.2.G.7.c	1 test per 1000		
	Air Voids (calculated)	2360.2.G.7.d	tons 55 lb.	(3) (10) Verification Mixture Sample test per day/ mix type, submit companion to the QC – CAA & FAA test results.	
es	Asphalt Content	2360.2.G.7.a	sample 3 full		
Production Testing Rates	Adj. Asphalt Film Thickness (AFT)	2360.2.E.7.e	cylinder molds		
Jg F	Gradation (minimum of 1 per day)	2360.2.G.7.f	(7)		
stir	Added AC/Total AC Ratio (calculated)	2360.2.G.7.a			
Te	Coarse Aggregate Angularity (CAA)	2360.2.G.7.g	(4) (5) (7)		
ion	Fine Aggregate Angularity (FAA)	2360.2.G.7.h	(4) (6) (7)		
uct	TSR	2360.2.G.7.i	When directed by the Engineer As directed by the Engineer		
,od	Aggregate Specific Gravity	2360.2.G.7.j			
P.	Mixture Moisture Content	2360.2.G.7.k			
-	Asphalt Binder (QA ONLY)	2360	(8) 1 qt. steel container for asphalt binder		
	Asphalt Emulsion (QA ONLY)	2357	(9) ½ gal plastic container for asphalt emulsion. (Tack)		
	Compaction / Density Requirements	2360.3.D	Review special provisions		
	Small Quantity Requirements	antity Requirements < 500 tons per project may be accepted by the Engineer without testing.			

NOTES: Testing rates are minimum rates; additional testing is encouraged to ensure a quality product.

- (1) Review Special Provisions & 2360.2G Mixture Quality Management.
- (2) The testing rates apply only to mixtures that have not been tested on previous projects in the current year.
- (3) The Agency shall witness a minimum of 1 (one) complete QC mixture sampling, splitting and test per day. The Agency shall take possession of all split QA samples immediately. The Agency shall randomly submit one QA split sample to the District Lab for Verification testing and inform with contractor the following day of test number. Additional verification samples can be taken at any time or location. When additional verification samples are taken, the contractor must test the Verification Companion split of this sample and include the results in the QC program.
- (4) The Contractor will retain the extracted gradation samples in containers with field identification numbers for a period of 10 calendar days. The Engineer will identify which extracted gradation sample is the Verification Companion Sample and whether it is to be tested for coarse and fine aggregate angularity.

- (5) At start-up or new Mix Design: 2 tests/ day for a minimum of 2 days, then 1/day if CAA is met. If CAA > 8% of requirement, 1 sample/ day but test 1/ week. No testing required for Class A and B Aggregates.
- (6) At start-up or new Mix Design: 2 tests per day for a minimum of 2 days, then 1/day if FAA is met. If FAA > 5% of requirement, 1 sample/ day but test 1/week.
- (7) Random number generation and determination of random sample location shall be consistent with Section 5 of ASTM D3665. The Engineer may approve alternate methods of random number generation.
- (8) During Asphalt Mixture Production (Field Verification): Shall be from a certified supplier. Obtain asphalt binder samples from a sampling valve located between the pump and the drum. Contractor personnel shall obtain samples, under the observation of a department representative, by random selection from shipments of material at the project site. The samples shall be taken from the first load and subsequently 1 per 1000 tons of liquid asphalt binder for each supplier and grade of asphalt binder per contract. For contracts with less than approximately 25 tons (one truck transport) of asphalt binder, sampling may be waived. A minimum of 1 gallon of binder must be drawn and wasted from the sampling valve before the actual sample is drawn. Sample shall be sent in for verification testing.
- (9) During Mixture Production (Field Verification): Shall be from a certified supplier. The Contractor shall sample first shipment, then submit 1 per 50,000 gallons. Sample emulsified asphalt in clean ½ gallon plastic container with wide screw top and send to MnDOT Chemical Lab within 7 days of sampling. Sample all emulsified asphalt from the distributor. Sample shall be sent in for verification testing. No Samples required unless directed by the Engineer.
- (10) Conduct random belt samples and test for aggregate quality as directed by the Engineer.

Bituminous Specialty Items

Type of Test	Spec	Contractor/Producer – QC Testing Rates	Agency- QA Testing Rates	
Gradation	2363	1 per 1,000 Ton with a minimum 1	1 per day. 35 lbs.	
PASSRC & PASB	3139.3	per day.	1 per day. 33 ibs.	
Micro-Surfacing	2354 3139.5	Stockpile: 1/1,500 Tons (min 1/day) Machine Hopper: 1/500 Ton (min 1/day)	Machine Hopper: 1/day, 30 lbs.	
Seal Coat, Underseal & Otta Seal	2356 3137.2B	Stockpile: 1/1,500 Tons (min 1/day) Chip Spreader Hopper: 1/day	1/day from Hopper. 30 lbs.	
% Crushing – CAA	2363	1 per 1,000 Ton with a minimum 1	1 per day from gradation test. 35	
PASSRC & PASB	3139.3	per day.	lbs.	
Moisture / Aggregate	2354	Machine Hopper: 1/500 Tons (min	1/day 2lbs	
Micro-Surfacing	3139.5	3/day)		
Sand Equivalence	2254	4/1	Test at Engineer discretion, 25 lbs.	
Micro-Surfacing	2354	1/day		
Flakiness Index				
Bituminous Seal Coat & Bituminous Underseal	2356	Sample taken from first load on first day, submit to Agency: 30 lbs.	Agency will test at their discretion, see Lab Manual 1223	
Bituminous Mixture	2353	1/500 Tons, min 1/day. %AC,	1/day, 20 lbs. 1 cylinder from truck	
UTBWC	3151.2G Gradation, Max SpG, Adj.AFT		box.	
PASSRC & PASB	3151 2363	Asphalt spot check: min 1/day	-	
Stone Matrix Asphalt – SMA		Tests, %AC,gradation, Gmm, Gmb, Voids, VMA, CAA, Draindown, VCA, fines/effective asphalt.	Tests: %AC, Gradation, Gmm, Gmb, Voids, VMA, CAA, VCA, fines/effective asphalt. Agency is not required to do drain down. Copy MDR to Project Engineer and Grading & Base Engineer.	
Lab Manual 1203, 1204, 1205, 1211, 1214, 1806, 1807, 1808, 1813, 1853,	2365	Rate, (1/1000 tons, min.1/day) Agg SpG, mix moisture, TSR to be tested as directed by Engineer.		
1854, 1855, AI SP-2 AASHTO T305		Submit companion 1 per day to agency: 3 full 6" by 12" cylinders		
Asphalt Binder Tests		Asphalt Emulsion List	Asphalt Binder List	
UTBWC	2353 3151			
Micro-Surfacing	2354	Asphalt Binder: Sample first I		
Seal Coat, Underseal & Otta Seal	2356	Sample size of 1 quart metal container. Emulsified Asphalt: Sample first load, then 1/50,000 gallons.		
Tack Coat	2357	Sample size of ½ gallon wide	crew top plastic container.	
PASSRC & PASB	3151			
Asphalt Binder Rate	2354	Verify Application Rate 3/day	Verify Application Rate 1/day	
Micro-Surfacing			,	
Fog Seal	2355			
Seal Coat, Underseal & Otta Seal	2356	Verify Application Rate 1/day	Verify Application Rate 1/day	
Bit Tack Coat	2357			

Specification 2215 – Cold Inplace Recycling (CIR), Stabilized Full Depth Reclamation (SFDR) and Cold Central Plant Recycling Bituminous (CCPR)

Test Type	Contractor/Producer QC Testing Rates	Agency QA Testing Rates	Grading & Base Manual/Form
Gradation SFDR (Simple) Pre- ground un-stabilized material	1 per mile – report sieves 2" & 3"	Run gradation at the discretion of the Engineer	.215 / 101 report sieve 2" & 3"
Gradation (Entire) (Material to be stabilized)	One per day, give split sample to the Engineer	Run gradation at the discretion of the Engineer	.215 / 101 report sieve 2", 1.5", 1.25", 1", ¾", 3/8",#4, #10, #30.
Gradation (Simple) (Material to be stabilized)	1 per mile for SFDR & CIR. 1 per 2,000 ton for CCPR.	Run gradation at the discretion of the Engineer	.215 & .293 / 101 report sieve 2" & 1.5" for SFDR, 1.5" and 1.25" for CIR
CIR & SFDR Depth Check – Unstabilized and Stabilized	None	1 per day	.284 / 401
SFDR & CCPR Moisture – before injecting with bituminous.	1 per mile of anticipated daily production and after rain. 1 per mile for SFDR after mechanical drying.	Run moisture at the discretion of the Engineer	.245 Speedy tester not allowed.
Penetration Index (DCP) – SFDR only Unstabilized.	2 per mile	1 per mile	.255 / 205
Calibrate: mineral stabilizing agent application rate.	Once using design rate per vane feeder.	Observe contractor calibration	.286 or .287
Moisture: before injecting liquid bituminous material	1 per mile of daily anticipated SFDR & one after rain or mechanical drying out (disking, etc.).	none	.281 / 105
Yield: Mineral Stabilizing Agent and/or Liquid Bituminous Material	1 per transport load each type	1 per day each type	.286 & .287 / 402 & 403
Compaction: Nuclear density for SFDR stabilized and CIR	10 per lane mile, (see note below).	Observe the Contractor.	.282
Control Strip: SFDR Stabilized and CIR	Minimum of once per project	Observe the Contractor.	
Bituminous Material Samples		. 1 per 50,000 gallons; sample first load	1 quart each sample
Mineral Stabilizing Agent Samples	None	1 sample	none
Foaming asphalt checks expansion ratio & half life	1 per load	Observe the Contractor.	.285
Moisture (stabilized) – before placement of next layer during curing.	2 per day until moisture stabilizes & placement of HMA.	None	Grading & Base Manual

Note: The Engineer may require a Contractor to perform additional nuclear density tests in areas that the Engineer believes are failing density requirements.

Grading and Base Construction Items (1 of 4)

		Material Type	Spec.	Contractor / Producer QC Testing Rates	Minimum Required Agency QA Testing Rates	Verification Testing Sample
		Aggregate Surfacing	3138	1 / 1,000 CY	> 250 yd³ (CV) or 500 Tons and < 2000 yd³ (CV)	
		Aggregate Base	3138	(CV) stockpile	or 4000 tons. Material is a minimum of one lot (5) . Test two random samples from each lot	4/
		Shoulder Base Aggregate	3138	gradation only required for	and average. > 2000 yd³ (CV) or 4000 Tons. Divide into lots with lot size (5) no greater than 2000 yd³ (CV)	1/source 30 lb.
		Drainable Aggregate Base (OGAB & DSB)	3136	material on hand.	or 4000 Tons. Test two random samples from each lot and average.	
	Gradation Testing (2) (3)	Granular and Select Granular Material (borrow/embankment)	3149.2B	1/10,000 CY (CV) only required for	1/40,000 yd³ (CV)	1/source 30 lb.
	Test	Stabilizing Aggregate	3149.2C	material on hand.		30 10.
:	radation	Reclamation FDR	3135.2B	None Test at Engineer's discretion. Inspect for oversize chunks (+3"), after the motor grader has overturned the material		None
(5	Granular Filter	3601.2B	1/source –		
		Backfill Materials	3149.2D	before		
		Granular Bedding	3149.2F	delivery on the project.	1/ source	
		Aggregate Bedding	3149.2G	Only		1/source 30
		Coarse Filter Agg.	3149.2H	required for	,	lb.
		Filter Aggregate	3149.2J	materials on		
		Sand Cover	3149.2K	hand. Spec 1906.2		
Proctor		Non-Granular Material Used to determine optimum moisture & maximum density.		None	1 per major soil, subgrade prep specified density requires 100% of proctor density.	1 sample 25 lb.
Sand Cone, Nuclear Density or LWD	Specified Density *	Non-Granular Material For non-granular material, i.e., material that does not meet 3149.2B.1	2106 3149	AGENCY TESTING: Roadway Embankment: One test per 4,000 yd3 (CV) one test rolled, One test per 10,000 yd3 (CV) Transverse culverts & abutments: 1 test per every 2 feet of fill. Structures and Longitudinal Trenches: One test per 300 feet of each struct per 2 feet per fill. Sidewalks and Trails: 1 per 500 feet. Subgrade Preparation: One per 25 road stations.		

Grading and Base Construction Items (2 of 4)

Material Type		Spec.	Contractor / Producer QC Testing Rates	Minimum Required Agency QA Testing Rates	Verification Testing Sample
/D *	Aggregate Base Shoulder Base Aggregate	3138 2211.3C		1 DCP tests per 500 yd³ (CV) or 1 per 1000 Tons. If test rolled, 1 test / 1,500 yd3 (CV) or 3000 Tons.	None
) or LM	Reclamation FDR	3135.2B 2215.2C	None	1 DCP test per 3,000 yd ² . If test rolled, 1 test / 10,000 yd ²	
d (DCP	Walks & Trails	2521		1 per 500 feet of Sidewalk or Trail	
Penetration Index Method (DCP) or LWD *	Granular Materials Subgrade Preparation (for materials meeting 3149.2B1)	3149.2B	AGENCY TESTING: Roadway Embankment: One test per 2,000 yd3 (CV) or if test rolled, One per 6,000 yd3 (CV) Transverse culverts & abutments: 1 test per every 2 feet of fill. Structures and Longitudinal Trenches: One test per 300 feet of each structure per 2 feet per fill. Sidewalks and Trails: 1 per 500 feet. Subgrade Preparation: One per 25 road stations.		
ıction	Aggregate Base, Shoulder, Surfacing & Walks		Subgrade Frepa	For 2118, 2211,2221, and 2521: 1 / 1,000 yd3 up to 10 Maximum	
Moisture Content Test During All Compaction Methods (4)	Drainable Aggregate Base (OGAB & DSB)	3138	None	For 2451: 1 per structure, for multiple adjacent structures, may test once, use judgement For Quality Compaction: Test as directed by Engineer.	None
rt Test Durin Methods (4)	Reclamation FDR	3135.2B	None	1 / 20,000 yd²	
re Content 1	All Embankment Materials	2106 3149	None	1/10,000 yd3 up to 10 Maximum For Quality Compaction: Test as directed by Engineer.	
Moistu	Subgrade Preparation	2106 3149		1 per 25 road stations For Quality Compaction: Test as directed by Engineer.	
Percent Crushing	Particle Count (1)	1906.2	1 required for Material on hand	1/source unless directed by Engineer, (required for 3138.2B & C, 3149.2C & G1, 3136.2B).	1 / source
Quality	Aggregate Quality Tests	3138 3149 3601	1 required for material on hand, Spec 1906.2	1/ source unless directed by Engineer	1 / source 30lb
Depth Check	Reclamation FDR	3135.2B	1/Mile.	1 per day unless directed by Engineer	

	Material Type	Spec.	Contractor / Producer QC Testing Rates	Minimum Required Agency QA Testing Rates	Verification Testing Sample
Test Rolling	Test Rolling (as directed in the special provisions)	2111	As directed by the Engineer the contractor will perform test rolling at the tall Subgrade Base layers (2211) Non-Stabilized FDR (2215) Granular layers not meeting the requirements of 3149.2B2 (2106) Minimum 12' width and 300' length. Agency to observe test rolli		2B2 (2106)

Verification Testing Samples are companion split samples to the QA sample:

- Companion gradation, proctor, QA crushing, aggregate quality samples not required 1,000 tons or less.
- Include the laboratory companion with the first field sample.
- Include the field sample results with the laboratory sample.
- Laboratories with AMRL Accreditation are not required to submit laboratory companion samples.
- Carbonate aggregate materials require 50 lb. samples for the laboratory testing.

NOTES:

- (1) Percent crushing test is not required when the material is crushed from a quarry or contains 25% or greater recycled materials.
- (2) Submit a laboratory companion to the first Acceptance Gradation sample for a bituminous extraction, see 3138.2C. Full Depth Reclamation samples are not required.
- (3) The Certification of Aggregates and Granular Materials procedure and documentation of testing locations is at the discretion of the Engineer.
- (4) For quality compaction per spec 2106.3G.2, test at Engineer's discretion.
- (5) Lot sizes may be adjusted by the Engineer. This may be good practice if parts of the project are taking place in separate areas or at separate times, such as many turn lane or excavation areas or separate project stages.
- * Review the Special Provisions. The Grading and Base Manual allows the nuclear density gauge, see pages 60 and 65.

NOTES:

Conversions: 1 ton = 0.55 yd3 (CV), 1 ton = 0.7 yd3 (LV), 1 yd3 (CV) = 1.8 tons.

Contact the MnDOT District IA Inspector to provide servicing of your Federal Aid Project.

Less than 500 tons (250 CY) may be accepted by the Engineer without testing.

Grading and Base Construction Items (4 of 4)

Guidelines for Required Crushing & Aggregate Quality Tests

	3149 Granular Materials	3138 Aggregate for Surface and Base	3136 Drainable Bases
Crushing	Yes, for Stabilizing Aggregate, Fine Aggregate Bedding and Medium Filter Aggregate. Test waived if material contains recycled at twice the minimum crushing requirement. Not required for quarried sources.	Yes, for Class 5, 5Q & 6. Test waived if material contains recycled at twice the minimum crushing requirement. Not required for quarried sources. Class 2 must contain 100% crushed quarry rock.	Yes. Not required for quarried sources.
Bitumen Content	At the discretion of the Engineer	At the discretion of the Engineer	Not applicable
LAR	Not applicable	Yes, if source is carbonate quarry and does not contain bitumen.	Yes
Insoluble Residue	Yes , if source is carbonate quarry and does not contain bitumen.	Yes, if source is carbonate quarry and does not contain bitumen.	Yes , if source is carbonate quarry.
Litho Exam & Shale Float Test	Yes , for Medium Filter Aggregate	Yes, for Class 3, 4, 5, 5Q & 6, when not from quarried rock, and does not contain bitumen.	Yes , when not from a quarried source.

Testing procedures in the Grading & Base Manual.

Forms and worksheets at the **Grading & Base website**.

Gradation worksheets at the SALT Construction website.

MAKE SURE TO FILL OUT THE REQUIRED PRELIMINARY AND FINAL GRADING AND BASE REPORTS AND SUBMIT TO PROJECT ENGINEER.

http://www.dot.state.mn.us/materials/gradingandbasedocs/Forms/form 001_08_043019.xlsx

Certified Ready-Mix Concrete (1 of 3)

The Prime Contractor is responsible to assure that all ready-mix concrete used is produced by an annually Certified Ready-Mix plant as detailed in Specification 2461.3F.

Material Spec.		Test Type (Concrete Manual)		Contractor / Produ	cer QC Testing	Rates	<u>Form</u>
bridge 2406.2 2411.2 2461.2 2461.3 general 2301** 2452.2 2461.2 2461.3 2506.2 2511.2 2514.2	*	Gradation (5-694.145) (5-694.148) 3126, 3131, 3137	1 per fraction yd3 per day, tak Bridge Deck C 1 per fraction pyd3 produced Departme Verification	Concrete Agg. Work sheet, Agg. Grad. Control			
2521.2 2531.2 2533.2 2545.2 2554.2 2557.2 2564.2	Concrete Plant Production Testing Rates *	Moisture Content (5-694.142)	QC rates:	Cont 1 every 4 hours When Daily Concrete Quantity ≥ 20 yd³	QA rates:	d by both Agency and None	Charts, R-M Plant QC workbook. R-M Plant QA Workbook
2565.2	Concrete Plant Pro	Test Type Aggregate Quality (5-694.146) Coarse Aggregate (% Passing 200) (5-694.146) Minimum Aggreg	same 30-day t poured during coarse aggreg Gradation re ate Sample Size	per each fraction - ime period is accep the month: Test m ate fraction. Desigr sults will be include All Aggregate Grada	table. For all bi onthly quality to nate 3137.2D2 of ed with the mor ation and Quali	ridge deck concrete to 3137.2D2 for each on the sample card. othly quality tests.	2410
		Aggregate Size 3/4" Plus, #4 3/4" Minus, #67 #7, CA-70 CIA to meet #67 CIA to meet JMF, FIA, CS, FS CA-80, #89 Fine Aggregate	Compar Gradation 30 lb. 10 lb. 6 lb. 500 g 1.1 lb. (500 g)	Quality 50 lb. 30 lb. 20 lb. 20 lb. 20 lb. 20 lb.	Moisture 2000 g 2000 g 2000 g 500 g 500 g 500 g	% -200 Course.Agg. 5000 g 2500 g 2500 g 500 g 500 g	2410 Sample ID Card

Certified Ready-Mix Concrete (2 of 3)

Spec.		Test Type	Agency QA Testing Rates (1)	Form
		First load each da further discharge concrete <u>must l</u> specimens from the are n	ons for Air, Slump (when required), Temperature and Cylinder Testing by per mix - Take sample after discharging approximately 1/4 yd3, stop e until both slump and air content test are completed. The first load of mave passing air content and slump prior to placement. Cast strength same load as the air content and slump test. Test whenever adjustments made to the mix. Take all tests at the point of placement.	
bridge 2406.2 2411.2		Air Content - Type 3 Concrete (5-694.541)	1 test per 100 yd3. Test first load each day per mix. Test when adjustments are made to the mix.	
2461.2 2461.3		Slump (5-694.531)	Test first load each day per mix, then as necessary to verify passing slump. For Bridge Concrete: 1 test per 100 yd3. No testing required for slip form placement.	
general 2301** 2452.2	Air and Concrete Temperature (5-694.550) Record temperature each time air content, slump or compre strength specimen is performed/fabricated.		Record temperature each time air content, slump or compressive strength specimen is performed/fabricated.	
2461.2 2461.3 2506.2 2511.2 2514.2	Compressive Strength (5-694.511) Standard cylinder size is 4 x 8, use 6	General Concrete Grades F, G, M, P, and R: 1 set of 3 cylinders per 300 yd3 per mix per day.		
2520.2 2521.2 2531.2 2533.2 2545.2		Bridge Concrete Grades B, S, and Y: 1 set of 3 cylinders per 100 yd3, then 1 set of 3 cylinders per 300 yd3 per mix per day	2409 Concrete	
2554.2 x 12 with aggregate greater than 1 1/4". 2565.2 Review 2461.3G.5 Test Methods and Specimens.		aggregate greater than 1 1/4". Review 2461.3G.5 Test Methods and	Agency will break 1 set of 3 cylinders at 28 days. Agency will cast up to 3 control cylinders, any additional control cylinders are the responsibility of the Contractor.	Cylinder ID Card
			Cellular Concrete: 1 set of 4 cylinders (28 days) per day, fill in 2 equal lifts, <u>do not rod</u> , lightly tap the sides, cover and move to area with no vibration. Do not disturb for 24 hours.	

NOTES:

- (1) Review the requirements of 2461.3F Certified Ready-Mix Concrete, 2461.3G Concrete Placement and 5-694.010 Inspector's Checklist in the Concrete Manual.
- *Small Quantity Requirements are for less than 20 yd3 per day, Plant Monitoring is not required but <u>Concrete</u> <u>Field Testing is required</u>.
- **Concrete Pavement: Use Certified Ready-Mix Concrete testing rates when: a) The entire concrete paving project is less than 3,500 cu. yd. b) When a secondary plant is used to provide minor work.

Certified Ready-Mix Concrete (3 of 3)

The Prime Contractor is responsible to assure that all ready-mix concrete used is produced by an annually Certified Ready-Mix plant as detailed in Specification 2461.3F.

Guidelines

- The testing rates shown in this Schedule of Materials Control are minimums. Take as many tests as necessary to ensure quality concrete. Should circumstances arise on a project which makes the testing rate impractical, contact the Concrete Engineering Unit.
- All samples shall be taken in a random manner using an appropriate number generator.
- The first load of concrete for any pour must have passing air content and slump results, prior to placing.
- If batching or field adjustments are made, test the adjusted load for air content and if suspect, slump, before it gets into the work. The Engineer will determine if additional testing is required after each water adjustment made during slip form placement. Continue to test for air content and slump, if suspect, when test results are inconsistent or marginal.
- If any field test fails, reject the concrete or if the Producer adjusts the load to meet requirements, record the adjustments on the Certificate of Compliance. Retest the air content of the load, slump if required, and record the adjusted test results. Test the next load for air content and slump, if required, before it gets into the work.
- Material not meeting requirements shall not knowingly be placed in the work. If failing concrete inadvertently gets placed in the work, review either the MnDOT Standard Specifications for Construction or contact the Concrete Engineering Unit for monetary deduction recommendations.

Best practices

- It is recommended that the Agency Plant Monitor be present during critical pours, such as superstructure or paving concrete (i.e., 3A21, S mixes, JMF mixes).
- It is recommended that the Agency representative continually monitor the progress of all concrete pours in the field and review Certificate of Compliances. It is not a recommended practice to only perform minimum testing requirements and leave the pour.
- It is recommended to make standard strength cylinders after the first load of concrete unless that is the only load of concrete for that mix that day.
- The Agency is responsible for verification sampling. For safety and consistency in sampling and splitting of the sample, it is recommended that the agency and the producer/contractor obtain the verification sample in tandem. This will allow the producer/contractor to witness the sampling process and take possession of the verification companion.

Concrete Plant and Field Materials

All materials must come from certified or qualified sources. All certified sources must state so on the delivery invoices. The most current list of certified/approved sources can be found at MnDOT Material website. Materials listed on the Approved/Certified Products List <u>are not required</u> to be sampled but need to be listed on the Material Acceptance Summary detailed in the SALT SMC. Samples can be submitted as directed by the Engineer.

	Material	Spec. No.	Agency QA Field Sampling Rate	Form No.
	Portland Cement	3101	Shall be a Certified Supplier - For certified ready-mix and	24300
terials	Slag	3102	concrete paving sample rates: 1 sample when the plant is certified. Take additional samples f the plant changes sources or as the contract requires. The producer obtains a	ID Card Cement
ng Mai	Blended Cement	3103	5 lb. sample and stores the sample in a sealed container provided by the Agency and includes the supplier's delivery	Samples
atchii	Fly Ash	3115	invoice from which the sample is obtained.	24308 Fly Ash
Concrete Plant Batching Materials	Admixtures (Acceleration, Retarding, Water- Reducing, Air- Entraining, etc.)	3113	For all concrete: 1 sample of Air Entrainment and Type A Water Reducer in a 1/2-pint plastic container provided by the Agency when the plant is certified. Take additional samples if the plant changes sources or as the contract requires. The Producer should agitate the admixture tank prior to obtaining samples form dispensing tubes and store the samples in sealed plastic containers provided by the Agency.	2410 Sample ID Card
	Water		1 Non-Potable Water sample in a 1-gallon clean glass or plastic container from a questionable source. Clarified Water: 1 per month during Department production	
	Preformed Joint Filler	3702	Visual Inspection	
	Preformed Elastomeric Type	3721		
S	Silicone Joint Sealer	3722	1 per lot. Only materials from a qualified source.	
erial	Hot Poured Elastomeric	3723	<u>Link to Approved Products List.</u>	
Mat	Туре	3725		2410 Sample
eld	Burlap	3751	Visual Inspection	ID Card
Concrete Field Materials	Colored Concrete Membrane Curing Compound		Visual Inspection - Use only from qualified source.	
CO	Membrane Curing Compound		Visual Inspection - Use only pre-approved curing compounds.	
	Plastic	3756	Visual Inspection - Must be white opaque and free from holes.	
	Refer to the	e "Metals'	schedule for sampling requirements for concrete reinforcemen	t.

Concrete Pavement – Agency (1 of 2)

Test Type (concrete manual)	Spec.	Concrete Paving Batch Plant Agency QA Testing	Certified Ready-Mix Plant Agency QA Testing	<u>Form</u>		
Gradation (1) (5-694.145) (5-694.148)	3126 3131 3137	Daily Concrete Quantity ≥ 500 Agency QA Testing Rates: Verification only Verification Sample: -, *1 per fraction per source per day, split and tested by both Agency and Contractor	Daily Concrete Quantity ≥ 100 yd3 Agency QA Testing Rates: Verification only Verification Sample: -, *1 per fraction per source per week, split and tested by both Agency and Contractor	JMF Concrete Aggregate Workbook		
Aggregate Moisture - QC Verification (2) (5-694.142)	2301	If w/c incentives apply: 1 per 1000 yd3 or every 4 hours, whichever is greater. Take initial sample within the first 250 yd3.	If w/c incentives apply: 1 per 1000 yd3 or every 4 hours, whichever is greater. Take initial sample within the first 250 If w/c incentives apply: 1 per 200 yd³ or every 4 hours, whichever is greater. Take initial sample within			
Water Content, Microwave Oven Verification (3) (5-694.532)	<u>2301</u>	Take initial sample within the first 250 yd³. At least one additional verification test should be taken if more than 1000 yd³ is produced in a day.	Take initial sample within the first 100 yd ³ . At least one additional verification test should be taken if more than 400 yd ³ is produced in a day.	Concrete W/C Ratio Work sheet		
Coarse Aggregate, -200 sieve (5-694.146)	3131 3137	Test Verification sample on the first da Contractor mobilizes the plant, chan cleanliness of the coarse aggregate is in thereafter200 test may be performed discretion of th	JMF Concrete Aggregate Workbook			
Coarse and Fine Aggregate Quality (4)	3126 3131 3137	During concrete production: 1 random 20,000 yd ³ of production. Split the Quarters of the sample to the producer/ sample to the lab for quality testing incoarse agg	2410 Sample ID Card			
Alkali Silica Reactivity (ASR) Testing	2301	1 per paving project per sand source. P supplementary cementitious materia "Project Specific ASR Testing" on all 3 required if the entire project is	2410 24300 24308			
Coarse Aggregate Quality Testing of Incentive / Disincentive	3137	If coarse aggregate quality incentives a % absorption and Class C aggregates for test necessary to make those determina in accordance with the fol Coarse Aggregate Quality Incentive Plan Concrete Cubic Yards 3,500 - 7,500 7,501 - 10,000	Coarse Agg Quality Incentive / Disincentive Work sheet 2410 Sample ID Card			
		25,001 - 50,000 50,001 +	15 20			

^{*}Use Certified Ready-Mix Concrete testing rates when: a) The entire concrete paving project is less than 3,500 cu. yd. b) When a secondary plant is used to provide minor work.

Concrete Pavement – Agency (2 of 2)

Test Type	Spec.	Concrete Field Testing - Agency QA Testing	Form
Air Content before consolidation	rete site	1 correlation air test per day	
Concrete Temperature	Review Concrete Manual Website	Record temperature each time air content, slump or strength test specimen is performed/fabricated by the Agency.	
Flexural Strength	Review Concrete Manual Website	Supply beam boxes or cylinder molds. Cure and test beams and cylinders MnDOT standard beam box size is 6" x 6" x 20" unless others are approved by the Concrete Engineer.	2162 Test Beam Data
Opening to Traffic Strength		Supply beam boxes or cylinder molds for field control testing. Cure and test beams and cylinders.	
Concrete Pavement Texture		Determine texture testing locations using random numbers. Observe Contractor Testing when possible.	Drobing
Thickness		Determine probing and coring locations using random numbers. Initial pavement at core locations and re-initial the sides of specimens after coring to clearly verify their authenticity. Field measure cores to the nearest 1/8". Transport to the MnDOT Office of Materials and Road Research for final thickness determination	Probing, Coring, Texture and MIT-Scan T2 Report
Surface Smoothness/ Dowel and Tie Bar Steel Location		Observe Contractor Testing when possible	

NOTES:

- (1) All gradation samples shall be taken in the presence of the Agency, unless otherwise authorized by the Engineer. All samples shall be taken off the belt leading to the weigh hopper unless otherwise approved by the Engineer. All gradations and quality tests require companion samples. If Coarse Aggregate Quality Incentive / Disincentives apply: The Agency may also use the QA samples for incentive / disincentive testing. Notify the Contractor/Producer to double the QC/QA sample size. If well-graded aggregate incentives apply: Use the Contractor's gradation results for well-graded aggregate incentive calculations as verified by Agency testing. Use the Well-graded Concrete Agg. Worksheet.
- (2) If w/c incentives apply: Use aggregate moisture results for determining the water content to calculate the w/c incentive/disincentive. Use the Concrete W/C Ratio Calculation Worksheet and do not leave sample unattended. Microwave oven verification testing to verify the w/c ratio is completed in conjunction with Agency aggregate moisture testing. Do not leave samples unattended.
- (3) If w/c incentives apply: Microwave oven verification testing to verify the w/c ratio is completed in conjunction with Agency aggregate moisture testing. Do not leave samples unattended.
- (4) Prior to concrete production: Obtain pre-production samples for quality testing at least 16 hours prior to concrete production. Samples may be taken from the stockpile and -200 test may be performed at the lab instead at the plant at the discretion of the Engineer. If the entire project is <3,500 yd3, pre-production sampling is not required.

	Minimum Aggregate Sample Size *companion required, double sample					
Aggregate Size	Gradation*	Quality*	Moisture	% -200 C.Agg		
3/4" Plus, #4	30 lb.	50 lb.	2000 g	5000 g		
3/4" Minus, #67	10 lb.	30 lb.	2000 g	2500 g		
#7, CA-70	6 lb.	20 lb.	2000 g	2500 g		
CIA to meet #67	6 lb.	20 lb.	500 g	500 g		
CIA to meet JMF	500 g	20 lb.	500 g	500 g		
FIA, CS, FS	500 g	20 lb.	500 g	-		
CA-80, #89	500 g	20 lb.	500 g	500 g		
Fine Aggregate	500 g	20 lb.	500 g	-		

Concrete Pavement – Producer/Contractor (1 of 2)

Test Type (concrete manual)	Spec.	Concrete Paving Batch Plant Contractor/Producer QC Testing	Certified Ready-Mix Plant Contractor/Producer QC Testing		
Gradation (1) (5-694.145) (5-694.148)	3126 3131 3137	When > 250 yd³ produced/ day: 1 per 2500 yd³ per fraction per source. Take initial samples for aggregate gradation testing within the first 500 yd3. Test the verification companion sample	When 20-400yd ³ produced/ day: 1 per fraction per source. If over 400 yd3 per day, take a second gradation after the total exceeds 400 yd3. Test the verification companion sample		
		on the day the sample was taken.	on the day the sample was taken.		
Coarse Aggregate -200 sieve (5-694.146)	3131 3137	Test the verification companion sam	ple. Test these samples at the plant.		
Aggregate Moisture QC Verification (2) (5-694.142)	2301	If w/c incentives do not apply: 1 per 1000 yd³, or 1 completed every 4 hours, whichever is the higher sampling rate.	If w/c incentives do not apply: 1 completed every 4 hours.		
Water Content, Microwave Oven Verification	Review	If w/c incentives apply: Obtain the plastic concrete sample at the plant. See Concrete Manual (5-694.532)			
Unit Weight QC	<u>Concrete</u> <u>Manual</u>	Test one load of concrete per day at the	plant. See Concrete Manual (5-694.542)		
Air Content QC (5-694.541)	<u>2301</u>	Test the first load of	concrete at the plant		
Coarse Aggregate Quality	3126 3131 3137	Test at Producer/Co	ontractor Discretion		
Unit Weight		Test 1 load of concret	e per day at the plant.		
Air Content for Type 3 Concrete (QC)		Test the first load of concrete at the plant.			
Coarse Aggregate Quality Testing for Incentive / Disincentive	3137	Test at the Contractor's discretion.			

^{*} Use Certified Ready-Mix Concrete testing rates when: a) The entire concrete paving project is less than 3,500 cu. yd. b) When a secondary plant is used to provide minor work.

Concrete Pavement – Producer/Contractor (2 of 2)

NOTES:

- (1) Performing testing on representative material at the end of the most recent day of production is allowed. If well-graded aggregate incentives apply: Use the Contractor's gradation results for well-graded aggregate incentive calculations as verified by Agency testing. Washing the fine aggregate gradation (QC) sample is not required when the result on the -#200 sieve of the unwashed sample is less than 1.0%. Wash all fine aggregate Verification Companion samples.
- (2) Complete the initial moisture content and adjust the batch water prior to the start of concrete production each day. If weather conditions allow, performing moisture testing on representative material at the end of production the prior evening is allowed. Enter results into the batching system in real time.

Test Type	Spec.	Concrete Field Testing - Contractor QC Testing
Air Content before consolidation for Type 3 concrete	<u> Vebsite</u>	1 per 300 yd ³ or 1 per hour, whichever is less. Test first load each day per mix.
Slump	1anual N	Test slump if concrete is suspected to be outside of required slump range as directed by the Engineer.
Concrete Temperature	icrete N	Record temperature each time air content, slump or strength test specimen is performed/fabricated by the Contractor.
Flexural Strength	Review Concrete Manual Website	For information only: 1 beam (28-day) per week per mix. 1 cylinder (28-day) per week per mix may be substituted at the discretion of the Engineer. Provide moist curing environments, fabricate beams or cylinders, deliver to curing site, and clean beam boxes
Opening to Traffic		For opening to traffic: Make field control beams within the last hour of concrete poured each day. Substitute field control cylinders for field control beams at the discretion of the Engineer. Maturity testing is allowed in lieu of field control cylinders or beams. Fabricate beams or cylinders, deliver to curing site, and clean beam boxes.
Concrete Pavement Texture		Perform texture testing at locations determined by the Engineer in accordance with the Contract
Thickness		Probe, scan and core at locations determined by the Engineer in accordance with the Contract
Surface Smoothness		Measure smoothness of the final concrete as required by the Contract. Perform all profiling in the presence of the Engineer unless otherwise approved by the Engineer.
Dowel Bar and Tie Bar Steel Location		For Concrete projects greater than 3500 yd3. On the first day and each day of slip form pavement: (1) Verify the adequacy of the dowel bar anchoring by scanning seven random doweled contraction joints in each sublot. (2) Verify the presence and alignment of tie bar steel by scanning 75 lin. Ft. in each sublot. If the Engineer determines the first day's dowel bar anchoring and tie bar placement processes are acceptable, the Engineer may allow a reduction in scanned joints in each sublot as follows: (1) Verify the adequacy of the dowel bar anchoring by scanning four random doweled contraction joints per sublot. (2) Verify the presence and alignment of tie bar steel by scanning 25 lin. ft. out of every sublot.

Concrete Wearing Course for Bridges

Test Type	Spec.	Contractor/Producer QC		Agency QA Testing	Form	
(Concrete Manual)	эрсс.	Testing		Agency QA resums	101111	
Gradation, Quality, Coarse Agg -200 QC/Verification (5-694.145) (5-694.146) (5-694.148)	3126 3137	Prior to production: The Contractor shall provide the Agency with: Aggregate pit numbers, 1 passing gradation result per fraction per source. Test Agency companion samples are Contractor's discretion. No quality tests are required.	tim site: f p ag Ide "Q"	ior to production and each ne aggregate is delivered to a gradation and quality per fraction prior to concrete production and each time gregate is delivered to the site. Intify quality samples with a conthe Sample ID Card and Quality companion sample.	2410 Sample ID Card	
Air Content - Type 3 Concrete (Verification) (5-694.541)		None	1 p	er 15 yd³, Test at beginning of pour each day.	Weekly Report	
Slump (Verification) (5-694.531)	2431	None	fro mix	er 15 yd ³ Test at beginning of our each day. For concrete om a concrete mobil, allow to hydrate 5 minutes before mp test to assure all cement is saturated.	of Low Slump Concrete	
Compressive Strength (5-694.511)		None		ylinder (28 day) per 30 yd³, ndard cylinder mold size is 4 x 8 inch.	2409 Cyl. ID Card	
Cement	3101	None	to c sup	ch time cement is delivered site. Obtain a 5 lb. sample. Store sample in a sealed container and include the plier's delivery invoice from lich the sample is obtained.	2430 Sample ID Card	
Admixtures	3113	None	adı Ob	Each time new lot/batch mixture is delivered to site: tain a ½ pint sample. Store e sample in a sealed plastic container.	2410 Sample ID Card	
Test	Minimum Sample Size All gradation and aggregate quality tests require companion samples, double sample size. Samples taken at location identified on Contact Report located at plant.					
Gradation	6 lb. for # 7, 500 g for CA-80 500 g for Sand					
Quality	30 lb. for Coarse Aggregate 20 lb. Fine Aggregate					

Concrete Pavement Repair – CPR for 3U18

Test Type	Spec.	Contractor/Producer QC Testing	For	Agency QA Testing volumetric batching only.	<u>Forms</u>
Gradation, Quality, Coarse Agg -200	3126 3137	Prior to production: The Contractor shall provide the Agency with: Aggregate pit numbers, 1 passing gradation result per fraction per source. No quality test results are required. Test companion samples at Contractor's discretion.	prod 1 prod Qua 1 tr sou gra S req qua	Gradation: Prior to concrete uction and each time aggregate is delivered to the site. Der aggregate fraction prior to uction and each time aggregate is delivered to the site. Ility Testing & Coarse Agg -200: est per aggregate fraction per urce. The Agency may use the adation results for the Quality samples as a substitute for 1 quired field gradation. Identify ality samples with a "Q" on the mple ID Card and the Quality companion sample.	2410 Sample ID Card
Air Content - Type 3 Concrete (Verification)		None	wł	1 per 15 yd ³ or 1 per 4 hours nichever results in the highest pling rate. Test at beginning of pour each day.	21412 Weekly
Slump (Verification)	Review Concrete Manual Website	None	hydra to a Test	er 15 yd ³ , Test at beginning of bour each day. Allow mix to ate 5 minutes before slump test assure all cement is saturated. Is slump if concrete is suspected be outside of required slump range.	Report of Low Slump Concrete
Compressive Strength		None	yd ³ (3) f	et of 3 cylinders (28 day) per 30 The Agency will cast up to three ield control cylinders, standard dinder mold size is 4 x 8 inch.	2409 Cyl. ID Card
Type 1 Cement	3101	None	Ead site sar in	or Volumetric batching only: ch time cement is delivered to e. Obtain a 5 lb. sample. Store upple in a sealed container and uclude the supplier's delivery oice from which the sample is obtained.	2430 Sample ID Card
Admixtures	3113	None	is de	n time new lot/batch admixture elivered to site: Obtain a ½ pint ample. Store the sample in a sealed plastic container.	2430 Sample ID Card
Test	Minimum Sample Size All gradation and aggregate quality tests require companion samples, double sample size. Samples taken at location identified on Contact Report located at plant.				
Gradation		6 lb. for # 7, 500 g for CA-80		500 g for Sand	
Quality		20 lb. Fine Aggregate			

Dowel Bar Retrofit – (DBR)

Test Type	Spec.	Contractor/Producer QC Testing	Agency QA Testing	Form
Gradation Testing (Verification), Quality Testing including, Coarse Agg -200	3137	Prior to production: The Contractor shall provide the Agency with: Aggregate pit numbers, 1 passing gradation result per fraction per source. No quality test results are required. Test companion samples are Contractor's discretion.	Gradation: Prior to concrete production and each time aggregate is delivered to the site. 1 per aggregate fraction prior to production and each time aggregate is delivered to the site. Quality Testing & Coarse Agg -200: 1 test per aggregate fraction per source. The Agency may use the gradation results for the Quality Samples as a substitute for 1 required field gradation. Identify quality samples with a "Q" on the Sample ID Card and the Quality companion sample.	2410 Sample ID Card
Test Type	Spec.	Agency QA Testing		Form
		Contractor Testing: Any addition responsibility of		
DBR Material Compressive Strength	Review Concrete	Agency 7 1 set of 3 cylin	_	2409 Cylinder
Strength	<u>Manual</u>	The Agency will cast up to three (3) fie mold size is	ld control cylinders, standard cylinder	ID Card
Test		The Agency will cast up to three (3) fie	ld control cylinders, standard cylinder 4 x 8 inch. ample Size on samples, double sample size. Sample	
		The Agency will cast up to three (3) fie mold size is Minimum Sation and quality tests require companio	ld control cylinders, standard cylinder 4 x 8 inch. ample Size on samples, double sample size. Sampletact Report locates at plant.	

Landscaping and Erosion Control Items

Kind of Material	Spec. #	Minimum Required Agency QA Acceptance Testing (Field Testing Rate)
Manufactured Topsoil Borrow, Salvaged Topsoil (stockpiled)	3877.2	As directed by the Engineer
Plant Stock & Landscape Materials	3861 and 2571.2A1	Materials must be in accordance with the Inspection and Contract Administration Guidelines for MnDOT Landscape Projects of which determines the minimum and maximum criteria thresholds. Certificate of Compliance, Nursery stock certificate registered with MN Dept. of Agriculture. Out of state products subject to pest quarantines must accompanied by documentation certifying all products are free of regulated pests.
Erosion Control Blanket	3885	
Erosion Control Netting	3885	Visual Inspection and Check approved products
Silt Fence	3886	or approved vendors list - As directed by the Engineer.
Erosion Stabilization Mat	3885	
Flotation Silt Curtain	3887	Accepted, based on manufacturers certification of compliance. Check weight of fabric.
Filter Logs	3897	Visual Inspection
Flocculants	3898	Obtain copy of Certificate of Compliance and MSDS
Fertilizer	3881	Obtain copy of invoice of blended material stating analysis.
Agricultural Lime	3879	Contractor must supply amount of ENP (Equivalent Neutralizing Power) for each shipment.
Mulch - Type 3		Certified Weed Free (Certified sources only) Check for Certified Vendor tag from Minnesota Crop Improvement Association (MCIA).
Mulch - Type 6 - Woodchips	3882	All wood chips supplied by a supplier outside the Emerald Ash Borer quarantine area or have an Emerald Ash Borer Compliance Agreement with the MDA
Seeds	2076	(Certified Vendors Only) (Mixes 100-299) Check for Certified Vendor tag from Minnesota Crop Improvement Association (MCIA).
Native Seed	3876	(Mixes 300-399) certified seed only. Check for Certified Vendor tag from Minnesota Crop Improvement Association (MCIA).
Sod	3878	Visual Inspection - Check approved products list - As directed by the
Compost (from Certified Source)		Engineer. Check for Certified Vendor tag from Minnesota Crop Improvement Association (MCIA) for salt tolerant sod.
Compost (from Non- Certified Source)	3890	Visual Inspection - As directed by the Engineer.
Hydraulic Soil Stabilizer	3884	Check Approved/Qualified Products List - As directed by the Engineer.

Chemical Items

Kind of Material	Spec. No.	Minimum Required Agency QA Acceptance Testing (Field Testing Rate)
Asphalt Plank	3204	Visual Inspection - As directed by the Engineer.
Calcium Chloride	3911	Review the percentage required as per specification. Check for
Magnesium Chloride	3912	listing on Qualified Products website.
Hot-Pour Crack Sealant (for Crack Sealing/Filling)	3719 3723 3725	Retain Certification of Compliance. Check for listing on Qualified Products website.
Pavement Joint Adhesive	Special Provisions	Retain Certification of Compliance
Waterproofing Materials		
Membrane Waterproofing System	3757	Visual Inspection - Check qualified products list.
Waterproofing Materials - Three	Ply System	
Asphalt Primer	3165	Verify supplied material meets ASTM D 41
Waterproofing Asphalt	3166	Verify supplied material meets ASTM D 449
Fabric	3201	Verify supplied material meets ASTM D 41
Paints		
Waterborne Latex - Traffic Paint	3591	
Epoxy Traffic Paint	3590	Visual Inspection - Check qualified products list - retain Certificate of Compliance.
Traffic Marking Paint	Special Provisions	
Non-Traffic Striping Paints	3500 Series	Retain Certification of Compliance
Bridge Structural Steel Paint	3520	
Exterior Masonry Paint	3584	Visual Inspection - Check approved products list - retain Certificate of Compliance.
Noise Wall Stain	Special Provisions	
<u>Drop-on Glass Beads</u>	3592	Visual Inspection - Check qualified products list. Retain Certificate of Compliance.
	3354	
Pavement Marking Tape	3355	Visual Inspection - Check qualified products list. Retain Certificate
	Special Provisions	of Compliance.
Signs and Markers	3352	Visual Inspection - Check qualified products list.

Metals (1 of 2)

Kind of Material	Spec. No.	Minimum Required Agency QA Acceptance Testing (Field Testing Rate) *
Guard Rail		
Fittings - Splicers, Bolts, Posts etc.	3381	
Structural Plate Beam	3382	Visual Inspection - Materials shall be approved before use.
Non-High Tension Guard Rail Cable	3381	Call MnDOT inspector at 218-846-3613 to see if material has been approved.
High Tension Guard Rail Cable	Special Provisions	
Steel Posts		
Steel Signposts	3401	Visual Inspection - As directed by the Engineer. Retain Certificate of Compliance in Project file.
	3403	Visual Inspection - As directed by the Engineer.
Fence Posts, Brace Bars, Rails and others	3406	Retain Certificate of Compliance and certified
nans and others	3379	mill analysis in project file.
Fence		
Barbed Wire		
Woven Wire		
Chain Link Fabric		
Components: cup, cap, nut, bolt, end clamp, tension band, truss rod tightener, hog ring, tie wire, tension stretcher bar, truss rod, clamp & tension wire	3376	Visual Inspection Retain Certification of Compliance, As directed by the Engineer.
Gates	3379	
Pipe		
Water Pipe and other Piping Materials	3364, 3365, 3366 & Special Provisions	Visual Inspection - As directed by the Engineer.
Reinforcing Steel - Inspec	ted by MnDO	OT & will be charged back to the Local Agency.
Uncoated Bars	3301	Retain Certificate of Compliance & Certified Mill Analysis
Epoxy Coated Bars	3301	For Epoxy-Coated bars, steel will be tagged "Inspected" when it has been sampled and tested by Mn/DOT prior to shipment, & it will be tagged "Sampled" when testing has not been completed prior to shipment. If the
Spirals	3305	Epoxy-Coated bars are not tagged "Sampled" or "Inspected", submit samples (1 bar 3ft long for each size for each day's coating production), Certificate of Compliance, & Certified Mill Analysis for testing. Maintain original Cert. of Compliance & Certified Mill Analysis in project file.
Stainless Steel Bars	Special Provisions	Visual Inspection Testing as directed by the Engineer (2 bars 3 ft. long per heat per bar size). Certified Mill Test Reports to be filed.

Metals (2 of 2)

		,		
Kind of Material	Spec. No. Minimum Required Agency QA Acceptance Testin (Field Testing Rate) *			
Reinforcing Steel - Inspected by MnDOT & will be charged back to the Local Agency.				
Steel Fabric	3303	2 sq. ft. if epoxy coated.	Visual	
Dowel Bars	3302	One dowel bar and basket from each shipment.	Inspection -	
Prestress/Post Tension Strands	3348 Spec Prov	One sample of 2 strands by 6 ft. from each heat/production lot.	Retain Certificate of Compliance.	
Castings				
Duning and Continue	3321	Visual Inspection - Check approved / qualified list.		
<u>Drainage Castings</u>	2471			
<u>Electrical</u>	2565			
Anchor Rods (Cast in Place) and Structural Fasteners	3385 3391	Visual Inspection - Check approved / qualified list. Testing as directed b the Engineer (see notes below)		
installation, obtain copy of Mi markings per ASTM F 1554 S3	nDOT passing to . The end of ea	assing test from the Department for each anchor rod or boest report from supplier. Specs 3385.2 A, B, & C require anch anchor bolt intended to project from the concrete must de 36 = AB36, Grade 55 = AB55, Grade 105 = AB105.	chor rod	
Anchorages (Drilled In)	Special Provisions	Visual Inspection - Check qualified products list.		
Structural Steel	ı	Inspected by MnDOT & will be charged back to the Local Agency.		

Anchorages (Drilled In)	Special Provisions	Visual Inspection - Check qualified products list.
<u>Structural Steel</u>	ı	nspected by MnDOT & will be charged back to the Local Agency.
Steel Bridge - Beams, Girders, Diaphragms, etc.	2471	
Concrete Girders- Diaphragms and sole plates		Structural Metals Inspection Tag and field inspection for damage/defects,
Expansion Joints		check dimensions for contract compliance.
Steel Bearings		Review approved products list as directed by the Engineer.
Railing-Structural tube and ornamental		Note: Structural metals products will be inspected at the plant and will be shipped with a Structural Metals
Drainage Systems		Inspection Tag. An inspection confirmation report
Protection Angles		will be completed by Structural Metals Inspection
Overhead Sign structures	2564 2471	staff and sent to the field personnel. Only approved suppliers are allowed to supply Structural Metals products. A list of approved suppliers can be found
High Mast Lighting Structures	2545 2471	on the <u>Bridge Office website</u> .
Monotube Signal Structures	2565 2471	

^{*}Check domestic steel requirement under 1601 Special Provision.

Geosynthetics, Pipe, Tile, Precast/ Prestressed Concrete

Kind of Material	Spec. No.	Minimum Required Agency QA Acceptance Testing (Field Testing Rate)	
Corrugated Metal Products			
Culvert Pipe Under Drains Erosion Control Structures	3225 thru 3229, 3351, 3399	Make certain pipe is Certified on Invoice, retain certificate of compliance and certified mill analysis in project file.	
Structural Plate	3231		
Aluminum Structural Plate	3233	Retain the Certificate of Compliance and mill analysis in project file.	
Pipe			
Clay Pipe	3251	Visual Inspection	
Reinforced Concrete Pipe and Arches, Precast Cattle Pass Units, Sectional Manhole Units	3236	Field Inspection: Check for damage and defects. Check dimensions and class as required.	
Non-Reinforced Concrete Pipe	3253		
Drain Tile (Clay or Concrete)	3276	Visual Inspection - Acceptance as directed by the Engineer.	
Thermoplastic (TP) Pipe ABS and PVC	3245	Obtain Certificate of compliance. Check for approved marking printed on pipe. Field Inspect for damage or defects.	
Corrugated Polyethylene Pipe	3278	Check for markings (AASHTO M 252) Certificate of Compliance. Field Inspect for damage or defects.	
Corrugated Polyethylene Pipe - Dual Wall 12"-48"	3247	Visual Inspection - Check approved products list. Obtain Certificate of Compliance.	
Precast/Prestressed Concre	te Structures - Ins	pected by MnDOT & will be charged back to the Local Agency.	
Reinforced Precast Box Culvert	3238		
Precast/Prestressed Concrete Structure (beams, posts, etc.)	2405	Field Inspection: Check for damage and defects. Check dimensions as required. Check for the "MnDOT" stamp and signature on the certification document.	
Manholes and Catch Basins	2506 3622		
Sewer Joint Sealing Compound	3724	Visual Inspection - Acceptance as directed by the Engineer.	
Preformed Plastic Sealer for Pipe	3726 Type b	Visual Inspection - Acceptance as directed by the Engineer.	
Bituminous Mastic Joint Sealer for Pipe	3728		
EPS Geofoam	Special Provisions	Visual Inspection - Acceptance as directed by the Engineer. Check for yellow aged material, uniformity and dimensions.	
Geotextile Fabric and Geogrid Reinforcement	3733 and Special Provisions	Obtain Certificate of Compliance stating minimum average roll values (MARV). MARV must meet Project requirements. Fabric must be listed on	
Geotextile Small Quantity Acceptance List		Geotextile Small Quantity Acceptance List.	
<u>Silt Fence</u>	3886	Visual Inspection - Check approved products list.	

Electrical and Signal Equipment Items (1 of 2)

Kind of Material	Spec. No.	Minimum Required Agency QA Acceptance Testing (Field Testing Rate)
Lighting Standards (Aluminum or Steel)	3811	Visual Inspection - Obtain Certificate of Compliance. The Fabricator will submit "Certificate of Compliance," on a per project basis, to the Project Engineer.
	2545	Visual Inspection - Check approved/qualified products list. Traffic signal
Hand Holes (Precast, PVC, and LLDPE)	2550	and street lighting projects require hand holes to be listed on the MnDOT Signals Approved Products List (APL). For cast iron frame and cover: see
	2565	Metals - Drainage and Electrical Castings
Foundation	2545	Slump as needed, 1 cylinder per 25 cu. yds. Rebar is required in concrete foundations as specified in the Contract documents for all traffic control signals and roadway lighting projects.
Steel Screw In Foundations	2545 2565	See Approved/Qualified Products List for Roadway Lighting and Signals.
Conduit and Fittings		
NA . I . III .	3801	
Metallic	3802	Visual Inspection - Conduit shall be labeled as being listed by a National Recognized Testing Laboratory (NRTL). For traffic signal and street lighting
Non-Metallic	3803	projects, specific requirements are contained in the Special Provisions for
(Rigid and HDPE)	Special Provisions	each project.
Anchor Rods and Bolts (Cast in Place)	3385	Visual Inspection - Manufacturer must have one yearly passing test from the Department for each anchor rod or bolt type. Prior to installation, obtain copy of Mn/DOT passing test report from supplier. Specs 3385.2 A, B, & C require anchor rod markings per ASTM F 1554 S3. The end of each anchor bolt intended to project from the concrete must be die stamped with the grade identification as follows: Grade 36 = AB36, Grade 55 = AB55, Grade 105 = AB105.
Anchorages (Drilled In)	Special Provision	Visual Inspection - Check qualified products list.
<u>Miscellaneous</u> <u>Hardware</u>	2545 2565	Visual Inspection - Check approved products list. Will carry "Inspected" tag if sampled and tested prior to shipment. No sample necessary if "Inspected". Do not use if not tested. Field sample at sampling rate for laboratory testing. For traffic signal and street light lighting projects, various miscellaneous hardware is required to be listed on the MnDOT Signals and Lighting Approved Products Lists (APL). The Contract documents indicate, which items must be on the Signals and/or Lighting APL.

Electrical and Signal Equipment Items (2 of 2)

Kind of Material	Spec. No.	Minimum Required Agency QA Acceptance Testing (Field Testing Rate)
Cable and Conductors		
Power Conductors	3815.2B1	Visual Inspection - Make certain the conductors are the type specified.
Loop Detector Conductors (No Tubing)	3815.2B2 (a)	Submit Field Inspection report showing type and quantities used. Shall be labeled as being listed by a National Recognized Testing Laboratory (NRTL) and type where applicable.
	3815.2B2(b) 3815.2B3	Visual Inspection - Usually inspected at the distributor. Documentation showing project number, reel number(s), & MnDOT test number(s) will be
	3815.2B5	included with each project shipment. If such documentation is not received from Contractor, submit sample for testing along with material
Electrical Cables and Single Conductors	3815.2C1 thru .2C8	certification from manufacturer. Do not use if not tested. Pre-inspected materials will not be tagged; an inspection report will be sent by the
with Jacket	3815.2C14	MnDOT inspector for each shipment. Project inspectors should verify that the shipping documents agree with this inspection report. Call Steve
	Special Provisions	Grover at 651-366-5540 or Cindy Schellack at 651-366-5543 with questions. For traffic signal and street lighting projects, the Special Provisions for each project contain electrical cable and conductor specifications.
Fiber Optic Cables	3815.2C13	Visual Inspection - Check approved products list for Traffic Management Systems.
Ground Rods	2545	Visual Inspection - Check approved products list. Shall be labeled as being listed by a National Recognized Testing Laboratory (NRTL). Detail materials
Ground Rous	2565	on Materials Acceptance Summary.
Luminaires and Lamps	3810	Visual Inspection - Check approved products list. Traffic signal and street lighting projects require luminaries and lamps to be listed on the MnDOT Lighting Approved/Qualified Products List (APL). The conductors shall be labeled as being listed by a National Recognized Testing Laboratory (NRTL) and type, where applicable.
Electrical Systems	2565	Electrical Systems are to be reported as a "System" using the LIGHTING, SIGNAL AND TRAFFIC RECORDER INSPECTION REPORT. To be certified by the Project Engineer.
Traffic Signal Systems	2565	Traffic Signal Systems are to be reported as a "System" using the LIGHTING, SIGNAL AND TRAFFIC RECORDER INSPECTION REPORT. To be certified by the Project Engineer.

Brick, Stone, and Masonry Units

Kind of Material	Spec. No.	Minimum Required Agency QA Acceptance Testing (Field Testing Rate)	
Brick			
Sewer (clay) and Building	3612 to 3615	Visual Inspection - Acceptance as directed by the Engineer.	
Sewer (Concrete)	3616	Visual Inspection - Acceptance as directed by the Engineer. Air entrainment required. Obtain air content statement from supplier.	
Concrete Masonry Units	Concrete Masonry Units		
Sewer Construction	3621	Visual Inspection - Acceptance as directed by the Engineer. Air entrainment required. Obtain air content statement from supplier.	
Modular Block Retaining Walls	Review Current Special Provisions	Visual Inspection - Note: All lots of blocks upon delivery shall have Manufacturer or Independent laboratory test results to verify passing both compression and freeze-thaw requirements. * Wall units and cap units are considered separate block types.	
Reinforced Concrete Cribbing	3661	Visual Inspection - Acceptance as directed by the Engineer. Will be stamped when inspected prior to shipment.	
Stone for Masonry or Rip-Rap	2511, 3601 and Special Provisions	Visual Inspection - Acceptance as directed by the Engineer.	

Remarks: each source shall be approved by Project Engineer or supervisor for quality, prior to use. For questions on quality, contact District Materials or Geology Unit.

Miscellaneous Materials

Kind of Material	Spec. No.	Minimum Required Agency QA Acceptance Testing (Field Testing Rate)	
Timber, Lumber Piling & Posts	3412 to 3471 & 3491	Visual Inspection - Acceptance as directed by the Engineer. Untreated materials shall be inspected in the field. Treated materials shall be Certified on the Invoice or Shipping Ticket. Material is inspected and stamped by an Independent Agency as per Specification 3491. Contact Laboratory for additional information.	
Miscellaneous pieces and Hardware (Galvanized)	3392 3394 Visual Inspection - Acceptance as directed by the Engineer.		
Insulation Board	3760		
Elastomeric Bearing Pads - Plain or Laminated	3741 and Special	Check dimensions. Check repair of tested pad. Obtain copy of Certificate of Compliance.	
Cotton Duck Bearing Pads	Provisions	DO NOT USE ANY PADS THAT ARE NOT CERTIFIED.	

Approved/Qualified Products & Resources

Approved/Qualified Products

- Asphalt Products
- Bridge Products
- Concrete Products
- Crack and Joint Material Products
- Drainage
- Erosion Control and Landscaping Products
- Geosynthetic
- Maintenance Shop Supplies
- Paint/Stain/Coating Systems (Non-Pavement)
- Pavement Markings
- Precast Concrete
- Roadside Barriers
- Roadway Lighting Products
- Signals Products
- Signing Products
- Snow and Ice Chemical Products
- Temporary Traffic Control Devices
- Traffic Management Systems/ITS
- Truncated Domes
- Vehicle Safety Lighting
- Walls (Retaining/Noise)

Additional Resources

- SALT Construction webpage
- Bituminous Engineering
 - Asphalt Binder Certified Supplier
 - o Asphalt Emulsion Certified Supplier
- Concrete Engineering
 - o MnDOT Concrete Manual
 - o QC & QA RM Plant Workbooks
 - o MnDOT Certified Ready-Mix Program
- Grading & Base Engineering
 - o Testing procedures in the Grading & Base Manual
 - o Forms and worksheets at the Grading & Base website
 - Gradation worksheets on the <u>SALT Construction website</u>

Contacts

MnDOT Construction and Materials State Aid Contacts

Districts 1, 2, 3, 4

Ross Hendrickson, State Aid Construction Specialist ross.hendrickson@state.mn.us

218-766-3745

Districts 6, 7, 8

Rollin Larson, State Aid Construction Specialist rollin.larson@state.mn.us

507-205-6403

Metro

Michael Pretel, State Aid Construction Engineer michael.pretel@state.mn.us
651-755-3346

MnDOT Specialty Offices Contacts

Grading & Base

Terry Beaudry terry.beaudry@state.mn.us	Grading & Base Engineer	651-366-5456
John Bormann john.bormann@state.mn.us	Grading & Base Specialist	651-366-5596

Bituminous*

John Garrity john.garriy@state.mn.us	Bituminous Engineer	651-366-5577
Greg Johnson Greg.johnson@state.mn.us	Asst. Bituminous Engineer	651-366-5464
Chelsea Bennett Chelsea.bennett@state.mn.us	Asst. Bituminous Engineer	651-366-5482
Joel Ulring joel.ulring@state.mn.us	Pavement Preservation	651-366-5432
Mike Skurdalsvold	Bituminous Mix Design Specialist	612-499-2998
Ray Betts ray.betts@state.mn.us	Bituminous Trial Mix Lab Tech	651-366-5469
Rich Kane richard.kane@state.mn.us	Bituminous Plant & Lab Testing	612-437-3005

^{*}See website for the contact list by topic

Concrete*

Maria Masten maria.masten@state.mn.us	Concrete Engineer	651-334-4015
Jacob Gave jacob.gave@state.mn.us	Asst. Concrete Engineer	612-554-9289
Rob Golish robert.golish@sate.mn.us	Asst. Concrete Engineer	651-216-0516
Matt Herbst	Concrete Engineering Specialist	651-283-7127

Matt.herbst@state.mn.us		
Brad Swenson brad.swenson@state.mn.us	Concrete Engineering Specialist	218-232-1012
Gordy Bruhn gordon.bruhn@state.mn.us	Concrete Field Engineering Specialist	651-398-9597
Mike Daniels michael.daniels@state.mn.us	Concrete Engineering Specialist	320-293-9421

^{*}See website for the contact list by topic

Contacts for other materials can be found on the Materials and Road Research Contacts webpage.

Contacts for Approved Products can be found at the Approved/Qualified Products Contact webpage.

Materials Lab. Contacts	Independent Assurance
District 1, Duluth	
Leila DeLuca	Nadine Miller
Phone: 218-725-2738	Phone: 218-725-2737 Cell: 218-348-6297
D1.duluth.lab.dot@state.mn.us	nadine.miller@state.mn.us
District 2, Bemidji	
Jason Kissel Phone: 218-755-6542	
jason.kissel@state.mn.us	
<u>Jasonikissere stateminus</u>	Day Wasley
Mike Murphy (Concrete & Aggregates)	Ray Wesley Cell: 218-766-6949
Phone: 218-755-6593	raymond.wesley@state.mn.us
mike.murphy@state.mn.us	
Dustin Reese (Bituminous)	
Phone: 218-755-6593	
dustin.reese@state.mn.us	
District 3A, Baxter	
Tom Boser	Matt Miles
Phone: 218-828-5755 tom.boser@state.mn.us	
tom.boscr@state.mn.us	Cell: 218-232-6748
	matt.miles@state.mn.us
District 3B, Saint Cloud	
Nick Fisher	
Phone: 320-2236500	Travis Erickson
nicholas.fisher@state.mn.us	
Andy Kostreba	Cell: 320-291-3582
Phone: 320-223-6554	travis.erickson@state.mn.us
andy.kostreba@state.mn.us	
District 4, Detroit Lakes	Casey Clarke
Bruce Bryngelson	
Phone: 218-846-3614	
bruce.bryngelson@state.mn.us	Cell: 218-849-7393
Wayne Koons	

2024 SALT Schedule of Materials Control – Local Government Agency

Phone: 218-846-3617 wayne.koons@state.mn.us		
	<u>casey.clarke@state.mn.us</u>	
Metro District, Maplewood Lab Brent Sculley Phone 651-366-5409 brent.scolley@state.mn.us	Waters Edge Zachary Lyrek-Hanks Phone: 651-775-1018 zachary.Lyrek-Hanks@state.mn. Karl Sinclair Phone: 651-775-0998 karl.sinclair@state.mn.us Kris Westerbur Phone: 651-755-1151 kristopher.westerbur@state.mr	
	Kaleb Kollmann Phone: 651-478-0339 kaleb.kollmann@state.mn.us	
District 6, Rochester Scott Swanson Phone: 507-286-7580 scott.a.swanson@state.mn.us	Dennis Hayes	
Jeff Bale (Aggregates) Phone: 507-286-7586 jeff.bale@state.mn.us Joe Drees (Bituminous) Phone: 507-286-7582 joe.drees@state.mn.us Gary Vinge Phone: 507-286-7585 gary.vinge@sate.mn.us	Cell: 507-251-0138 dennis.hayes@state.mn.us	
District 7, Mankato	Mitch Jordahl	
Lee McLaughlin Phone: 507-304-6189 lee.mclaughlin@state.mn.us	Cell:507-380-9619 mitch.jordahl@state.mn.us	
District 8, Willmar and Marshall Jon Vlaminck Phone: 320-214-6348 Cell: 320-894-7409 jon.vlaminck@state.mn.us	Paul Janke	
District 8B, Marshall Matt Steinbronn Phone: 507-537-2068 matthew.steinbronn@state.mn.us	Cell: 320-212-5739 paul.janke@state.mn.us	

Sample Sizes

Lbs.

	35	Aggregate for Gradation QC/QA
	80	for each plus #4 Aggregate Type for Quality Testing
	35	for each minus #4 Aggregate Type for Quality Testing
s	80	for each RAP material for Quality Testing
Bituminous	10	RAS (shingles) for Processed Gradation and Quality Testing
itum	65	for Mix Properties (QC/QA) 3 full 6" by 12"-cylinder molds for QA
	90	for TSR (QC/QA) 4 full 6" by 12"-cylinder molds for QA
	90	for Aggregate Specific Gravity QC/QA
	1	1 quart of Asphalt Binder QA
	-	1/2 gallon for Asphalt Emulsion QA
88	30	Aggregate for Gradation (Companion sample from 60 lb. split).
Grading & Base	25	Moisture Density Test – Proctor (Companion from 50 lb. split).
Gra	30	Aggregate Quality/Percent Crushing Test - 1 per source
	25	Gradation 3/4" plus
	10	Gradation 3/4" minus
	6	Gradation CA 70 & #7
	1	Gradation - Sand (500 g), CA 80, #89.
ete	4.4	Moisture Test Coarse Aggregate (2000 g)
Ready-Mix Concrete	1.1	Moisture Test Fine Aggregate (500 g)
Mix C	50	Quality 3/4" plus - lab sample
ady-I	30	Quality 3/4" minus - lab sample
Rea	30	Fine Aggregate - lab sample
	10	3/4" Plus for the -200 Coarse Aggregate Test (5000 grams)
	6	3/4" Minus for the -200 Coarse Aggregate Test (2500 grams)
	5	Cement, Blended Cement, Fly Ash
	-	1/2-pint plastic container for admixtures.



AUTHORIZATION TO DISCHARGE

STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY

UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)/

STATE DISPOSAL SYSTEM (SDS) PROGRAM

C00071232

Permittee (Owner): Yellow Medicine County Highway Department

Permittee (Operator): Yellow Medicine County Highway Department

Project Name: SAP 087-604-018

City or Township: Canby, County: Yellow Medicine

Location description:

On CSAH 4 from Jct CSAH 13 East 4 miles to TH 75

Issuance date: January 8, 2025

Expiration date: July 31, 2028

The state of Minnesota, on behalf of its citizens through the Minnesota Pollution Control Agency (MPCA), authorizes the Permittee(s) named above seeking coverage under this general permit to discharge stormwater associated with construction activity to waters of the state of Minnesota in accordance with the requirements of this permit.

The goal of this permit is to reduce pollutant levels in point source discharges and protect water quality in accordance with the U.S. Clean Water Act, Minnesota statutes and rules, and federal laws and regulations.

This permit is effective on the issuance date identified above. This permit expires at midnight on the expiration date identified above.

Signature:

Ryan Anderson
This document has been electronically signed.

for the Minnesota Pollution Control Agency

Ryan Anderson Manager

Stormwater Section Municipal Division

Permit application:

Submit via MPCA e-Services at https://rsp.pca.state.mn.us/

Questions on this permit?

Contact e-Services at

651-757-2728 or 844-828-0942

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Permit issued: January 8, 2025
Permit expires: July 31, 2028
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1.1	Permit Coverage. [Minn. R. 7090]
1.2	This permit is required for construction activity that results in land disturbance of equal to or greater than one (1) acre or if a project is part of a common plan of development or sale that ultimately will disturb greater than one (1) acre, and authorizes, subject to the terms and conditions of this permit, the discharge of stormwater associated with construction activity. [Minn. R. 7090]
1.3	Construction activity covered by this permit cannot commence until coverage under this permit is effective as described in item 3.3 through 3.4 or, if applicable, until the Minnesota Pollution Control Agency (MPCA) has issued an individual National Pollutant Discharge Elimination System (NPDES)/State Disposal System (SDS) construction stormwater permit for the project. [Minn. R. 7090]
1.4	This permit covers all areas of the State of Minnesota except land wholly within the boundaries of a federally recognized Indian Reservation owned by a tribe or a tribal member or land held in trust by the federal government for a tribe or tribal member. [Minn. R. 7090]
1.5	Coverage under this permit is not required when all stormwater from construction activity is routed directly to and treated by a "treatment works," as defined in Minn. Stat. Section 115.01, subd. 21, operated under an individual NPDES/SDS permit with a Total Suspended Solids (TSS) effluent limit. [Minn. R. 7090]
1.6	This permit covers ongoing projects covered under any previous construction stormwater permit that are not complete on the issuance date of this permit. Permittees must either remain in compliance with the previous permit and terminate coverage within 18 months of the issuance date of this permit or comply with this permit, including updating the Stormwater Pollution Prevention Plan (SWPPP), within the 18-month period. Permittees of previously permitted projects are not required to incorporate any additional requirements regarding the permanent stormwater treatment system included in this reissued permit. [Minn. R. 7090]
1.7	Coverage for projects that extend beyond the expiration date of this permit remains effective for a grace period of 18 months. If Permittees cannot complete projects during the grace period, the MPCA will extend coverage under the next permit and permittees must comply with the requirements of the new permit including updating the SWPPP. Permittees are not required to follow changes to the permanent stormwater treatment section of the next permit. [Minn. R. 7090]
2.1	Prohibitions and Limitations of Coverage. [Minn. R. 7090]
2.2	The owner must develop a complete and accurate SWPPP that complies with item 5.2 prior to submitting the application for coverage and starting construction activity. Failure to prepare a SWPPP prior to submitting the application may result in permit revocation. [Minn. R. 7090]
2.3	This permit prohibits discharges of any material other than stormwater treated in compliance with this permit and discharges from dewatering or basin draining activities in accordance with Section 10. Prohibited discharges include, but are not limited to, wastewater from washout of concrete, stucco, paint, form release oils, curing compounds and other construction materials, fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance, soaps or solvents used in vehicle and equipment washing and maintenance, and other hazardous substances or wastes. [Minn. R. 7090]
2.4	This permit does not authorize stormwater discharges related to the placement of fill into waters of the state requiring local, state or federal authorizations (such as U.S. Army Corps of Engineers Section 404 permits, Minnesota Department of Natural Resources (DNR) Public Waters Work permits or local governmental unit (LGU) Wetland Conservation Act replacement plans or determinations). [Minn. R. 7090]
2.5	This permit does not authorize stormwater discharges associated with industrial activity except for construction activity. Permittees must obtain coverage for discharges associated with industrial activity under a separate NPDES/SDS permit once day-to-day operational activities commence even if construction is ongoing. [Minn. R. 7090]
2.6	This permit does not authorize discharges from non-point source agricultural and silvicultural activities excluded from NPDES permit requirements under 40 CFR pt. 122.3(e). [Minn. R. 7090]
2.7	This permit does not authorize stormwater discharges to Prohibited, Restricted, Special or Impaired waters unless permittees follow the additional stormwater requirements in Section 23. [Minn. R. 7090]
2.8	This permit does not replace or satisfy any environmental review requirements including those under the Minnesota Environmental Policy Act or the National Environmental Policy Act. The owner must verify completion of any environmental review required by law, including any required Environmental Assessment Work Sheets or Environmental Impact Statements, Federal environmental review, or other required review prior to applying for coverage under this permit. If any part of your common plan of development or sale requires environmental review, coverage under this permit cannot be

Permit issued: January 8, 2025
Permit expires: July 31, 2028
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	obtained until such environmental review is complete. [Minn. R. 7090]
2.9	This permit does not replace or satisfy any review requirements for discharges adversely impacting State or Federally designated endangered or threatened species or a designated critical habitat. The owner must comply with the National Historic Preservation Act and conduct all required review and coordination related to historic preservation, including significant anthropological sites and any burial sites, with the Minnesota Historic Preservation Officer. [Minn. R. 7090]
2.10	This permit does not authorize discharges to wetlands unless the permittee complies with the requirements in Section 22. Coverage under this permit cannot be issued until the requirements for wetland permits, decisions, other determinations, or the mitigative sequence required in section 22 have been finalized and documented. [Minn. R. 7050.0186]
3.1	Application and Coverage Effective Date. [Minn. R. 7090]
3.2	The owner and operator must submit a complete and accurate on-line application with the appropriate fee to the MPCA for each project that disturbs one (1) or more acres of land or for a common plan of development or sale that will ultimately disturb one (1) or more acres. [Minn. R. 7090]
3.3	For projects or common plans of development or sale that disturb less than 50 acres or do not discharge stormwater within 1 mile (aerial radius measurement) of a special or impaired water, permittees do not need to submit the SWPPP with the application. Permit coverage for these projects is effective upon application and completing the payment process. [Minn. R. 7090]
3.4	For certain projects or common plans of development or sale disturbing 50 acres or more, the complete SWPPP must be included with the application and submitted at least 30 days before the start of construction activity. This applies if there is a discharge point on the project within one mile (aerial radius measurement) of, and flows to, a special water listed in item 23.3 through 23.6 or an impaired water as described in item 23.7. Permit coverage for these projects is effective upon submitting the application and complete SWPPP, completing the payment process and receiving a determination from the MPCA that the review of the SWPPP is complete. The determination may take longer than 30 days if the SWPPP is incomplete. If the MPCA fails to contact the permittees within 30 days of application receipt, coverage is effective 30 days after completing the payment process. [Minn. R. 7090]
3.5	The application requires listing all persons meeting the definition of owner and operator as permittees. The owner is responsible for compliance with all terms and conditions of this permit. The operator is responsible for compliance with Sections 3, 4, 6-22, 24 and applicable requirements for construction activity in Section 23. [Minn. R. 7090]
3.6	Permittees will receive coverage notification in a manner determined by the MPCA. [Minn. R. 7090]
3.7	For construction projects where the owner or operator changes (e.g., an original developer sells portions of the property to various homebuilders or sells the entire site to a new owner), the current owner and the new owner or operator must submit a complete permit modification form provided by the MPCA. The current owner and the new owner or operator must submit the form prior to the new owner or operator commencing construction activity or no later than 30 days after taking ownership of the property. [Minn. R. 7090]
3.8	For construction projects where the owner or operator changes, the current owner must provide a SWPPP to the new owner and operator that specifically addresses the remaining construction activity. The new owner or operator can implement the original SWPPP, modify the SWPPP, or develop a new SWPPP. Permittees must ensure their activities do not render another party's erosion prevention and sediment control BMPs ineffective. [Minn. R. 7090]
4.1	Termination of Coverage. [Minn. R. 7090]
4.2	Permittees must submit a NOT within 30 days after all termination conditions listed in Section 13 are complete. [Minn. R. 7090]
4.3	Permittees must submit a NOT within 30 days after selling or otherwise legally transferring the entire site, including permit responsibility for roads (e.g., street sweeping) and stormwater infrastructure final clean out, or transferring portions of a site to another party. The permittees' coverage under this permit terminates at midnight on the submission date of the NOT. [Minn. R. 7090]
4.4	Permittees may terminate permit coverage prior to completion of all construction activity if they meet all of the following conditions:
	 a. construction activity has ceased for at least 90 days; and b. at least 90 percent (by area) of all originally proposed construction activity has been completed and permanent cover has been established on those areas; and c. on areas where construction activity is not complete, permanent cover has been established; and d. the site complies with item 13.3 through 13.7.

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	After permit coverage is terminated under this item, any subsequent development on the remaining portions of the site will require permit coverage if the subsequent development itself or as part of the remaining common plan of development or sale will result in land disturbing activities of one (1) or more acres in size. [Minn. R. 7090]
4.5	Permittees may terminate coverage upon MPCA approval after submitting information documenting the owner cancelled the project. [Minn. R. 7090]
5.1	Stormwater Pollution Prevention Plan (SWPPP) Content. [Minn. R. 7090]
5.2	The owner must develop and implement a SWPPP. The SWPPP must include items 5.3 through 5.26. [Minn. R. 7090]
5.3	The SWPPP must incorporate specific Best Management Practices (BMP) used to comply with the requirements of this permit. [Minn. R. 7090]
5.4	The SWPPP must include a narrative describing the timing for installation of all erosion prevention and sediment control BMPs and a description of the permanent stormwater treatment systems. [Minn. R. 7090]
5.5	The SWPPP must include the location and type of all temporary and permanent erosion prevention and sediment control BMPs along with procedures used to establish additional temporary BMPs as necessary for the site conditions during construction. Standard details and/or specifications for BMPs must be included in the final plans and specifications for the project. [Minn. R. 7090]
5.6	The SWPPP must include the calculations and other information used for the design of temporary sediment basins and any of the permanent stormwater treatment systems required in Section 15. [Minn. R. 7090]
5.7	The SWPPP must include estimated quantities anticipated at the start of the project for the life of the project for all erosion prevention and sediment control BMPs (e.g., linear feet of silt fence or square feet of erosion control blanket). [Minn. R. 7090]
5.8	The SWPPP must include the number of acres of impervious surface for both pre- and post-construction. [Minn. R. 7090]
5.9	The SWPPP must include a site map with existing and final grades, including drainage area boundaries, directions of flow and all discharge points where stormwater is leaving the site or entering a surface water. The site map must indicate the areas of steep slopes. The site map must also include impervious surfaces, soil types and locations of potential pollutant-generating activities as identified in Section 12. [Minn. R. 7090]
5.10	The SWPPP must include a map of all surface waters, existing wetlands, and stormwater ponds or basins that can be identified on maps such as United States Geological Survey 7.5-minute quadrangle maps, the National Wetland Inventory map or equivalent maps and are within one mile (aerial radius measurement) from the project boundaries that will receive stormwater from the construction site, during or after construction. The SWPPP must identify if the surface waters are special or impaired waters. [Minn. R. 7090]
5.11	The SWPPP must include a site map showing construction activity areas that are adjacent to and drain to Public Waters for which the DNR has promulgated "work in water restrictions" during specified fish spawning time frames. [Minn. R. 7090]
5.12	Permittees must identify locations of 50' buffer zones as required in item 9.17 and 100' permanent buffer zones as required in item 23.11, on plan sheets in the SWPPP. [Minn. R. 7090]
5.13	If permittees determine compliance with the following requirements is infeasible, they must document the determination in the SWPPP:
	a. temporary sediment basins as described in Section 14; and b. for linear projects, if the permanent stormwater treatment system cannot be constructed within the right-of-way, a reasonable attempt must be made to obtain additional right-of-way (item 15.9); and c. buffer zones as described in item 9.17 and item 23.11. [Minn. R. 7090]
5.14	If permittees determine that a temporary sediment basin is infeasible as described in item 14.10, the SWPPP must describe the alternative BMPs used. [Minn. R. 7090]
5.15	Where systems cannot meet the full volume reduction requirement on-site, (e.g., the site has infiltration prohibitions, see item 16.14 through item 16.21) the permittee must document the reasons in the SWPPP. [Minn. R. 7090]
5.16	The SWPPP must include any stormwater mitigation measures proposed to be part of the final project in any environmental review document, endangered species review, archeological or other required local, state or federal review conducted for the project. For purposes of this permit, mitigation measures mean actions necessary to avoid, minimize, or mitigate for impacts related to erosion prevention, sediment control, the permanent stormwater treatment system, pollution prevention management measures and discharges associated with the project's construction activity. [Minn. R. 7090]

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5.17	The SWPPP must describe the methods used for permanent cover of all exposed soil areas. [Minn. R. 7090]
5.18	Permittees must identify the locations of areas where construction will be phased to minimize the duration of exposed soil areas in the SWPPP. [Minn. R. 7090]
5.19	For projects with a discharge point on the project within one (1) mile (aerial radius measurement) of and which flows to an impaired water, permittees must identify the impaired water(s), and any United States Environmental Protection Agency (USEPA)-approved Total Maximum Daily Load (TMDL) for the pollutant(s) or stressor(s) described in item 23.7. Permittees' identification must include those TMDLs approved at any time prior to permit application submittal and are still in effect. [Minn. R. 7090]
5.20	Permittees must document in the SWPPP, all trained individuals identified in item 21.2. Documentation must include:
	a. names of personnel required to be trained; andb. dates of training and name of instructor(s) and entity providing training; andc. content of training course.
	If permittees do not know the names of the individuals at the time of application, the permittees must ensure they document training before construction activity commences. [Minn. R. 7090]
5.21	The SWPPP must identify a person knowledgeable and experienced in the application of erosion prevention and sediment control BMPs who will coordinate with all contractors, subcontractors, and operators on-site to oversee the implementation of the SWPPP. [Minn. R. 7090]
5.22	The SWPPP must describe any specific chemicals and chemical treatment systems used for enhancing the sedimentation process and how it achieves compliance with item 9.19. [Minn. R. 7090]
5.23	The SWPPP must identify the person(s), organizations, or entities responsible for long-term operation and maintenance of permanent stormwater treatment systems. [Minn. R. 7090]
5.24	The SWPPP must describe methods to minimize soil compaction and preserve topsoil. Minimizing soil compaction is not required where the function of a specific area dictates compaction. [Minn. R. 7090]
5.25	The SWPPP must include any site assessments for groundwater or soil contamination required in item 16.15. [Minn. R. 7090]
5.26	The SWPPP must account for the following factors in designing temporary erosion prevention and sediment control BMPs:
	a. the expected amount, frequency, intensity, and duration of precipitation; and b. the nature of stormwater runoff and run-on at the site, including factors such as expected flow from impervious surfaces, slopes, and site drainage features; and c. the stormwater volume, velocity, and peak flowrates to minimize discharge of pollutants in stormwater and to minimize channel and streambank erosion and scour in the immediate vicinity of discharge points; and d. the range of soil particle sizes expected to be present. [Minn. R. 7090]
6.1	SWPPP Amendments. [Minn. R. 7090]
6.2	One of the individuals described in item 21.2.a or item 21.2.b or another qualified individual must complete all SWPPP changes. Changes involving the use of a less stringent BMP must include a justification describing how the replacement BMP is effective for the site characteristics. [Minn. R. 7090]
6.3	Permittees must amend the SWPPP within 7 days to include additional or modified BMPs whenever there is a change in design, construction, operation, maintenance, weather or seasonal conditions having a significant effect on the discharge of pollutants to surface waters or groundwater. [Minn. R. 7090]
6.4	Permittees must amend the SWPPP within 7 days to include additional or modified BMPs whenever inspections or investigations by the site owner or operator, USEPA or MPCA officials indicate the SWPPP is not effective in eliminating or significantly minimizing the discharge of pollutants to surface waters or groundwater or the discharges are causing water quality standard exceedances (e.g., nuisance conditions as defined in Minn. R. 7050.0210, subp. 2) or the SWPPP is not consistent with the objectives of a USEPA approved TMDL. [Minn. R. 7050.0210]
7.1	BMP Selection and Stormwater Management. [Minn. R. 7090]
7.2	Permittees must select, install, and maintain the BMPs identified in the SWPPP and in this permit in an appropriate and functional manner and in accordance with relevant manufacturer specifications and accepted engineering practices to minimize the discharge of pollutants in stormwater from construction activities. Examples of stormwater management practices for this section include but are not limited to wet sedimentation basins, temporary depressions to hold

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	stormwater, stormwater routing, dikes, berms, pumping, and stormwater treatment BMPs. Permittees must phase and incorporate stormwater management principles as the construction progresses. Unless infeasible, temporary or permanent wet sedimentation basins (when required, see section 14 and 15) should be constructed as a first step in the process and stormwater routed to these. [Minn. R. 7090]
7.3	Permittees must not disturb more land (i.e., phasing) than can be effectively inspected and maintained in accordance with Section 11. [Minn. R. 7090]
7.4	If permittees will be using some type of erosion control netting on the site as part of the soil stabilization techniques, permittees are encouraged to use products that have been shown to minimize impacts on wildlife. The U.S. Fish & Wildlife Service recommends using types of netting practices that are considered "wildlife friendly," including those that use natural fiber or 100 percent biodegradable materials and that use a loose weave with a non-welded, movable jointed netting. Products that are not wildlife friendly include square plastic netting that are degradable (e.g., photodegradable, UV-degradable, oxo-degradable), netting made from polypropylene, nylon, polyethylene, or polyester. Other recommendations include removing the netting product when it is no longer needed. More information may be found at: https://www.fws.gov/initiative/protecting-wildlife/make-change-wildlife-friendly-erosion-control-products. There also may be State, Tribal, or local requirements about using wildlife friendly erosion control products. See Minnesota Department of Transportation requirements at: https://www.mndot.org/environment/erosion/rolled-erosion-prevention-products.html. [Minn. R. 7050]
8.1	Erosion Prevention Practices. [Minn. R. 7090]
8.2	Before work begins, permittees must delineate the location of areas not to be disturbed. [Minn. R. 7090]
8.3	Permittees must minimize the need for disturbance of portions of the project with steep slopes. When steep slopes must be disturbed, permittees must use techniques such as phasing and stabilization practices designed for steep slopes (e.g., slope draining and terracing). [Minn. R. 7090]
8.4	Permittees must stabilize all exposed soil areas, including stockpiles. Stabilization must be initiated immediately to limit soil erosion when construction activity has permanently or temporarily ceased on any portion of the site and will not resume for a period exceeding 14 calendar days (7 days for sites discharging to special or impaired waters, see section 24). Stabilization must be completed no later than 14 calendar days after the construction activity has ceased. Stabilization is not required on constructed base components of roads, parking lots and similar surfaces. Stabilization is not required on temporary stockpiles without significant silt, clay or organic components (e.g., clean aggregate stockpiles, demolition concrete stockpiles, sand stockpiles) but permittees must provide sediment controls at the base of the stockpile. [Minn. R. 7090]
8.5	For Public Waters that the Minnesota DNR has promulgated "work in water restrictions" during specified fish spawning time frames, permittees must complete stabilization of all exposed soil areas within 200 feet of the water's edge, and that drain to these waters, within 24 hours during the restriction period. [Minn. R. 7090]
8.6	Permittees must stabilize the normal wetted perimeter of the last 200 linear feet of temporary or permanent drainage ditches or swales that drain water from the site within 24 hours after connecting to a surface water or property edge. Permittees must complete stabilization of remaining portions of temporary or permanent ditches or swales within 14 calendar days (7 days for sites discharging to special or impaired waters, see section 24) after connecting to a surface water or property edge and construction in that portion of the ditch temporarily or permanently ceases. [Minn. R. 7090]
8.7	Temporary or permanent ditches or swales being used as a sediment containment system during construction (with properly designed rock-ditch checks, bio rolls, silt dikes, etc.) do not need to be stabilized. Permittees must stabilize these areas within 24 hours after their use as a sediment containment system ceases. [Minn. R. 7090]
8.8	Permittees must not use mulch, hydromulch, tackifier, polyacrylamide or similar erosion prevention practices within any portion of the normal wetted perimeter of a temporary or permanent drainage ditch or swale section with a continuous slope of greater than 2 percent. Examples of acceptable erosion prevention practices include blankets, poly, riprap, etc. [Minn. R. 7090]
8.9	Permittees must provide temporary or permanent energy dissipation at all pipe outlets within 24 hours after connection to a surface water or permanent stormwater treatment system. [Minn. R. 7090]
9.1	Sediment Control Practices. [Minn. R. 7090]
9.2	Permittees must establish sediment control BMPs on all downgradient perimeters of the site and downgradient areas of the site that drain to any surface water, including curb and gutter systems. Permittees must locate sediment control practices upgradient of any buffer zones. Permittees must install sediment control practices before any upgradient land-disturbing activities begin and must keep the sediment control practices in place until they establish permanent cover. [Minn. R. 7090]
9.3	If downgradient sediment controls are overloaded, based on frequent failure or excessive maintenance requirements,

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	permittees must install additional upgradient sediment control practices or redundant BMPs to eliminate the overloading and amend the SWPPP to identify these additional practices as required in item 6.3. [Minn. R. 7090]
9.4	Temporary or permanent drainage ditches and sediment basins designed as part of a sediment containment system (e.g., ditches with rock-check dams) require sediment control practices only as appropriate for site conditions. [Minn. R. 7090]
9.5	A floating silt curtain placed in the water is not a sediment control BMP to satisfy item 9.2 except when working on a shoreline or below the waterline. Immediately after the construction activity (e.g., installation of rip rap along the shoreline) in that area is complete, permittees must install an upland perimeter control practice if exposed soils still drain to a surface water. [Minn. R. 7090]
9.6	Permittees must re-install all sediment control practices adjusted or removed to accommodate short-term activities such as clearing or grubbing, or passage of vehicles, immediately after the short-term activity is completed. Permittees must re-install sediment control practices before the next precipitation event even if the short-term activity is not complete. [Minn. R. 7090]
9.7	Permittees must protect all storm drain inlets using appropriate BMPs during construction until they establish permanent cover on all areas with potential for discharging to the inlet. [Minn. R. 7090]
9.8	Permittees may remove inlet protection for a particular inlet if a specific safety concern (e.g. street flooding/freezing) is identified by the permittees or the jurisdictional authority (e.g., city/county/township/Minnesota Department of Transportation engineer). Permittees must document the need for removal in the SWPPP. [Minn. R. 7090]
9.9	Permittees must provide silt fence or other effective sediment controls at the base of stockpiles on the downgradient perimeter prior to the initiation of stockpiling. Sediment controls must be managed in accordance with section 9.6. [Minn. R. 7090]
9.10	Permittees must locate stockpiles outside of natural buffers or surface waters, including stormwater conveyances such as curb and gutter systems unless there is a bypass in place for the stormwater. [Minn. R. 7090]
9.11	Permittees must install a vehicle tracking BMP to minimize the track out of sediment from the construction site or onto paved roads within the site. [Minn. R. 7090]
9.12	Permittees must use street sweeping in addition to vehicle tracking BMPs if vehicle tracking BMPs alone are not adequate to prevent sediment tracking onto the street. [Minn. R. 7090]
9.13	Permittees must install temporary sediment basins as required in Section 14. [Minn. R. 7090]
9.14	In any areas of the site where final vegetative stabilization will occur, permittees must restrict vehicle and equipment use to minimize soil compaction. [Minn. R. 7090]
9.15	Permittees must preserve topsoil on the site, unless infeasible. [Minn. R. 7090]
9.16	Permittees must direct discharges from BMPs to vegetated areas unless infeasible. [Minn. R. 7090]
9.17	Permittees must preserve a 50-foot natural buffer or, if a buffer is infeasible on the site, provide redundant (double) perimeter sediment controls when a surface water is located within 50 feet of the project's earth disturbances and stormwater flows to the surface water. Permittees must install perimeter sediment controls at least 5 feet apart unless limited by lack of available space. Natural buffers are not required adjacent to road ditches, judicial ditches, county ditches, stormwater conveyance channels, storm drain inlets, and sediment basins. If preserving the buffer is infeasible, permittees must document the reasons in the SWPPP. Sheet piling and other impermeable barriers installed in a manner that retains all stormwater are considered redundant perimeter control. [Minn. R. 7090]
9.18	Any sediment control made of soil must be temporarily or permanently stabilized within 24 hours. [Minn. R. 7090]
9.19	Permittees must use polymers, flocculants, or other sedimentation treatment chemicals in accordance with accepted engineering practices, dosing specifications and sediment removal design specifications provided by the manufacturer or supplier. The permittees must use conventional erosion and sediment controls prior to chemical addition and must direct treated stormwater to a sediment control system for filtration or settlement of the floc prior to discharge. [Minn. R. 7090]
10.1	Dewatering and Basin Draining. [Minn. R. 7090]
10.2	Permittees must not cause nuisance conditions (see Minn. R. 7050.0210, subp. 2) in surface waters from dewatering and basin draining (e.g., pumped discharges, trench/ditch cuts for drainage) discharges. Permittees must discharge turbid or sediment-laden waters related to dewatering or basin draining to a sediment control (e.g. sediment trap or basin, filter bag) designed to prevent discharges with visual turbidity. To the extent feasible, use well-vegetated (e.g., grassy or wooded), upland areas of the site to infiltrate dewatering water before discharge. Permittees are prohibited from using receiving waters as part of the treatment area. Permittees must visually check and photograph the discharge at the beginning and at least once every 24 hours of operation to ensure adequate treatment has been obtained and nuisance conditions will not

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	result from the discharge. [Minn. R. 7050.0210]
10.3	If nuisance conditions result from the discharge, Permittees must cease dewatering immediately and corrective actions must occur before dewatering is resumed. Nuisance conditions includes, but is not limited to, a sediment plume in the discharge or the discharge appears cloudy, or opaque, or has a visible contrast, or has a visible oil film, or has aquatic habitat degradation that can be identified by an observer. [Minn. R. 7050.0210]
10.4	If permittees must discharge water containing oil or grease, they must use an oil-water separator or suitable filtration device (e.g., cartridge filters, absorbents pads) prior to discharge. [Minn. R. 7090]
10.5	Permittees must discharge all water from dewatering or basin-draining activities in a manner that does not cause erosion or scour in the immediate vicinity of discharge points or inundation of wetlands in the immediate vicinity of discharge points that causes significant adverse impact to the wetland. [Minn. R. 7090]
10.6	If permittees use filters with backwash water, they must haul the backwash water away for disposal, return the backwash water to the beginning of the treatment process, or incorporate the backwash water into the site in a manner that does not cause erosion. [Minn. R. 7090]
11.1	Inspections and Maintenance. [Minn. R. 7090]
11.2	Permittees must ensure a trained person, as identified in item 21.2.b, will inspect the entire construction site at least once every seven (7) days during active construction and within 24 hours after a rainfall event greater than 1/2 inch in 24 hours. [Minn. R. 7090]
11.3	Permittees must inspect and maintain all permanent stormwater treatment BMPs. [Minn. R. 7090]
11.4	Permittees must inspect all erosion prevention and sediment control BMPs and Pollution Prevention Management Measures to ensure integrity and effectiveness. Permittees must repair, replace or supplement all nonfunctional BMPs with functional BMPs by the end of the next business day after discovery unless another time frame is specified in item 11.5 or 11.6. Permittees may take additional time if field conditions prevent access to the area. [Minn. R. 7090]
11.5	During each inspection, permittees must inspect areas adjacent to the project, surface waters, including drainage ditches and conveyance systems but not curb and gutter systems, for evidence of erosion and sediment deposition. Permittees must remove all deltas and sediment deposited in areas adjacent to the project, surface waters, including drainage ways, catch basins, and other drainage systems and restabilize the areas where sediment removal results in exposed soil. Permittees must complete removal and stabilization within seven (7) calendar days of discovery unless precluded by legal, regulatory, or physical access constraints. Permittees must use all reasonable efforts to obtain access. If precluded, removal and stabilization must take place within seven (7) days of obtaining access. Permittees are responsible for contacting all local, regional, state and federal authorities and receiving any applicable permits, prior to conducting any work in surface waters. [Minn. R. 7090]
11.6	Permittees must inspect construction site vehicle exit locations, streets and curb and gutter systems within and adjacent to the project for sedimentation from erosion or tracked sediment from vehicles. Permittees must remove sediment from all paved surfaces within one (1) calendar day of discovery or, if applicable, within a shorter time to avoid a safety hazard to users of public streets. [Minn. R. 7090]
11.7	Permittees must repair, replace or supplement all perimeter control devices when they become nonfunctional or the sediment reaches 1/2 of the height of the device. [Minn. R. 7090]
11.8	Permittees must drain temporary and permanent sedimentation basins and remove the sediment when the depth of sediment collected in the basin reaches 1/2 the storage volume within 72 hours of discovery. [Minn. R. 7090]
11.9	Permittee's must inspect and photograph dewatering discharges at the beginning and at least once every 24 hours during operation. Dewatering discharges that only last for minutes, as opposed to hours, and do not reach a surface water, do not require photographs or documentation. [Minn. R. 7090]
11.10	Permittees must ensure that at least one individual present on the site (or available to the project site in three (3) calendar days) is trained in the job duties described in item 21.2.b. [Minn. R. 7090]
11.11	Permittees may adjust the inspection schedule described in item 11.2 as follows:
	 a. inspections of areas with permanent cover can be reduced to once per month, even if construction activity continues on other portions of the site; or b. where sites have permanent cover on all exposed soil and no construction activity is occurring anywhere on the site, inspections can be reduced to once per month and, after 12 months, may be suspended completely until construction
	activity resumes. The MPCA may require inspections to resume if conditions warrant; or c. where construction activity has been suspended due to frozen ground conditions, inspections may be suspended.

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Inspections must resume within 24 hours of runoff occurring, or upon resuming construction, whichever comes first. d. for projects where a pollinator habitat or native prairie type vegetated cover is being established, inspections may be reduced to once per month if the site has temporary vegetation with a density of 70% temporary uniform cover. If after 24 months no significant erosion problems are observed, inspections may be suspended completely until the termination requirements in section 13 have been met. [Minn. R. 7090]

- 11.12 Permittees must record all inspections and maintenance activities within 24 hours of being conducted and these records must be retained with the SWPPP. These records must include:
 - a. date and time of inspections; and
 - b. name of persons conducting inspections; and
 - c. accurate findings of inspections, including the specific location where corrective actions are needed; and
 - d. corrective actions taken (including dates, times, and party completing maintenance activities); and
 - e. date of all rainfall events greater than 1/2 inches in 24 hours, and the amount of rainfall for each event. Permittees must obtain rainfall amounts by either a properly maintained rain gauge installed on-site, a weather station that is within one (1) mile of your location, or a weather reporting system that provides site specific rainfall data from radar summaries; and f. if permittees observe a discharge during the inspection, they must record and should photograph and describe the location of the discharge (i.e., color, odor, settled or suspended solids, oil sheen, and other obvious indicators of pollutants); and
 - g. any amendments to the SWPPP proposed as a result of the inspection must be documented as required in Section 6 within seven (7) calendar days; and
 - h. all photographs of dewatering activities and documentation of nuisance conditions resulting from dewatering activities as described in section 10. [Minn. R. 7090]

12.1 | Pollution Prevention Management Measures. [Minn. R. 7090]

- 12.2 Permittees must place construction materials and landscape materials under cover (e.g., plastic sheeting or temporary roofs) or protect them by similarly effective means designed to minimize contact with stormwater. Permittees are not required to cover or protect products which are either not a source of contamination to stormwater or are designed to be exposed to stormwater. [Minn. R. 7090]
- 12.3 Permittees must place pesticides, fertilizers and treatment chemicals under cover (e.g., plastic sheeting or temporary roofs) or protect them by similarly effective means designed to minimize contact with stormwater. [Minn. R. 7090]
- 12.4 Permittees must store hazardous materials and toxic waste, (including oil, diesel fuel, gasoline, hydraulic fluids, paint solvents, petroleum-based products, wood preservatives, additives, curing compounds, and acids) in sealed containers to prevent spills, leaks or other discharge. Storage and disposal of hazardous waste materials must be in compliance with Minn. R. ch. 7045 including secondary containment as applicable. [Minn. R. 7090]
- 12.5 Permittees must properly store, collect and dispose solid waste in compliance with Minn. R. ch. 7035. [Minn. R. 7035]
- Permittees must position portable toilets so they are secure and will not tip or be knocked over. Permittees must properly dispose sanitary waste in accordance with Minn. R. ch. 7041. [Minn. R. 7041]
- 12.7 Permittees must take reasonable steps to prevent the discharge of spilled or leaked chemicals, including fuel, from any area where chemicals or fuel will be loaded or unloaded including the use of drip pans or absorbents unless infeasible.

 Permittees must ensure adequate supplies are available at all times to clean up discharged materials and that an appropriate disposal method is available for recovered spilled materials. Permittees must report and clean up spills immediately as required by Minn. Stat. 115.061, using dry clean up measures where possible. [Minn. Stat. 115.061]
- 12.8 Permittees must limit vehicle exterior washing and equipment to a defined area of the site. Permittees must contain runoff from the washing area in a sediment basin or other similarly effective controls and must dispose waste from the washing activity properly. Permittees must properly use and store soaps, detergents, or solvents. [Minn. R. 7090]
- 12.9 Permittees must provide effective containment for all liquid and solid wastes generated by washout operations (e.g., concrete, stucco, paint, form release oils, curing compounds and other construction materials) related to the construction activity. Permittees must prevent liquid and solid washout wastes from contacting the ground and must design the containment so it does not result in runoff from the washout operations or areas. Permittees must properly dispose liquid and solid wastes in compliance with MPCA rules. Permittees must install a sign indicating the location of the washout facility. [Minn. R. 7035, Minn. R. 7090]

13.1 **Permit Termination Conditions**. [Minn. R. 7090]

13.2 Permittees must complete all construction activity and must install permanent cover over all areas prior to submitting the NOT. Vegetative cover must consist of a uniform perennial vegetation with a density of 70 percent of its expected final

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	growth. Vegetation is not required where the function of a specific area dictates no vegetation, such as impervious surfaces or the base of a sand filter. [Minn. R. 7090]
13.3	Permittees must clean the permanent stormwater treatment system of any accumulated sediment and must ensure the system meets all applicable requirements in Section 15 through 19 and is operating as designed. [Minn. R. 7090]
13.4	Permittees must remove all sediment from conveyance systems prior to submitting the NOT. [Minn. R. 7090]
13.5	Permittees must remove all temporary synthetic erosion prevention and sediment control BMPs prior to submitting the NOT. Permittees may leave BMPs designed to decompose on-site in place. [Minn. R. 7090]
13.6	For residential construction only, permit coverage terminates on individual lots if the lot is sold to the homeowner, structures are finished, and permanent cover has been established. For lots that are sold to the homeowner where permanent cover has not been established, coverage terminates if temporary erosion prevention and downgradient perimeter control is properly installed and the permittee distributes the MPCA's "Homeowner Fact Sheet" to the homeowner. [Minn. R. 7090]
13.7	For construction projects on agricultural land (e.g., pipelines across cropland), permittees must return the disturbed land to its preconstruction agricultural use prior to submitting the NOT. [Minn. R. 7090]
13.8	When submitting the NOT, Permittees must include either ground or aerial photographs showing the requirements of 13.2 have been met. Permittees are not required to take photographs of every distinct part of the site, however the conditions portrayed must be substantially similar to those areas that are not photographed. Photographs must be clear and in focus and must include the date the photo was taken. [Minn. R. 7090]
14.1	Temporary Sediment Basins. [Minn. R. 7090]
14.2	Where ten (10) or more acres of disturbed soil (5 acres for sites discharging to special or impaired waters, see section 24) drain to a common location, permittees must provide a temporary sediment basin to provide treatment of the runoff before it leaves the construction site or enters surface waters. Permittees may convert a temporary sediment basin to a permanent basin after construction is complete. The temporary basin is no longer required when permanent cover has reduced the acreage of disturbed soil to less than ten (10) acres draining to a common location. [Minn. R. 7090]
14.3	The temporary basin must provide live storage for a calculated volume of runoff from a two (2)-year, 24-hour storm from each acre drained to the basin or 1,800 cubic feet of live storage per acre drained, whichever is greater. [Minn. R. 7090]
14.4	Where permittees have not calculated the two (2)-year, 24-hour storm runoff amount, the temporary basin must provide 3,600 cubic feet of live storage per acre of the basins' drainage area. [Minn. R. 7090]
14.5	Permittees must design basin outlets to prevent short-circuiting and the discharge of floating debris. [Minn. R. 7090]
14.6	Permittees must design the outlet structure to withdraw water from the surface to minimize the discharge of pollutants. Permittees may temporarily suspend the use of a surface withdrawal mechanism during frozen conditions. The basin must include a stabilized emergency overflow to prevent failure of pond integrity. [Minn. R. 7090]
14.7	Permittees must provide energy dissipation for the basin outlet within 24 hours after connection to a surface water. [Minn. R. 7090]
14.8	Permittees must locate temporary basins outside of surface waters and any buffer zone required in item 23.11. [Minn. R. 7090]
14.9	Permittees must construct the temporary basins prior to disturbing 10 or more acres of soil draining to a common location. [Minn. R. 7090]
14.10	Where a temporary sediment basin meeting the requirements of item 14.3 through 14.9 is infeasible, permittees must install effective sediment controls such as smaller sediment basins and/or sediment traps, silt fences, vegetative buffer strips or any appropriate combination of measures as dictated by individual site conditions. In determining whether installing a sediment basin is infeasible, permittees must consider public safety and may consider factors such as site soils, slope, and available area on-site. Permittees must document this determination of infeasibility in the SWPPP. [Minn. R. 7090]
15.1	Permanent Stormwater Treatment System. [Minn. R. 7090]
15.2	Permittees must design and implement the project so all stormwater discharged from the project during and after construction activities does not cause a violation of state water quality standards, including nuisance conditions, erosion in receiving channels or on downslope properties, or a significant adverse impact to wetlands caused by inundation or decrease of flow. [Minn. R. 7090]
15.3	Permittees must design and construct a permanent stormwater treatment system to treat the water quality volume if the project's ultimate development replaces vegetation and/or other pervious surfaces creating a net increase of one (1) or

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	more acres of cumulative impervious surface. [Minn. R. 7090]
15.4	Permittees must calculate the water quality volume as one (1) inch times the net increase of impervious surfaces created by the project. [Minn. R. 7090]
15.5	Permittees must first consider volume reduction practices on-site (e.g., infiltration or other) when designing the permanent stormwater treatment system. If this permit prohibits infiltration as described in item 16.14 through item 16.21, permittees may consider a wet sedimentation basin, filtration basin or regional pond. This permit does not consider wet sedimentation basins and filtration systems to be volume reduction practices. [Minn. R. 7090]
15.6	For projects where the full volume reduction requirement cannot be met on-site, (e.g., the site has infiltration prohibitions), permittees must document the reasons in the SWPPP. [Minn. R. 7090]
15.7	Permittees must discharge the water quality volume to a permanent stormwater treatment system prior to discharge to a surface water. For purposes of this item, surface waters do not include man-made drainage systems that convey stormwater to a permanent stormwater treatment system. [Minn. R. 7090]
15.8	Where the proximity to bedrock precludes the installation of any of the permanent stormwater treatment practices required by Sections 15 through 19, permittees must install other treatment such as grassed swales, smaller ponds, or grit chambers, prior to the discharge of stormwater to surface waters. [Minn. R. 7090]
15.9	For linear projects where permittees cannot treat the entire water quality volume within the existing right-of-way, permittees must make a reasonable attempt to obtain additional right-of-way, easement or other permission for stormwater treatment during the project planning process. Documentation of these attempts must be in the SWPPP. Permittees must still consider volume reduction practices first as described in item 15.5. If permittees cannot obtain additional right-of-way, easement or other permission, they must maximize the treatment of the water quality volume prior to discharge to surface waters. [Minn. R. 7090]
16.1	Infiltration Systems. [Minn. R. 7090]
16.2	Infiltration options include, but are not limited to: infiltration basins, infiltration trenches, rainwater gardens, bioretention areas without underdrains, swales with impermeable check dams, and natural depressions. If permittees utilize an infiltration system to meet the requirements of this permit, they must incorporate the design parameters in item 16.3 through item 16.21. Permittees must follow the infiltration prohibition in item 16.14 anytime an infiltration system is designed, including those not required by this permit. [Minn. R. 7090]
16.3	Permittees must design infiltration systems such that pre-existing hydrologic conditions of wetlands in the vicinity are not impacted (e.g., inundation or breaching a perched water table supporting a wetland). [Minn. R. 7090]
16.4	Permittees must not excavate infiltration systems to final grade, or within three (3) feet of final grade, until the contributing drainage area has been constructed and fully stabilized unless they provide rigorous erosion prevention and sediment controls (e.g., diversion berms) to keep sediment and runoff completely away from the infiltration area. [Minn. R. 7090]
16.5	When excavating an infiltration system to within three (3) feet of final grade, permittees must stake off and mark the area so heavy construction vehicles or equipment do not compact the soil in the infiltration area. [Minn. R. 7090]
16.6	Permittees must use a pretreatment device such as a vegetated filter strip, forebay, or water quality inlet (e.g., grit chamber) to remove solids, floating materials, and oil and grease from the runoff, to the maximum extent practicable, before the system routes stormwater to the infiltration system. [Minn. R. 7090]
16.7	Permittees must design infiltration systems to provide a water quality volume (calculated as an instantaneous volume) of one (1) inch of runoff, or one (1) inch minus the volume of stormwater treated by another system on the site, from the net increase of impervious surfaces created by the project. [Minn. R. 7090]
16.8	Permittees must design the infiltration system to discharge all stormwater (including stormwater in excess of the water quality volume) routed to the system through the uppermost soil surface or engineered media surface within 48 hours. Permittees must route additional flows that cannot infiltrate within 48 hours to bypass the system through a stabilized discharge point. [Minn. R. 7090]
16.9	Permittees must provide a means to visually verify the infiltration system is discharging through the soil surface or filter media surface within 48 hours or less. [Minn. R. 7090]
16.10	Permittees must provide at least one soil boring, test pit or infiltrometer test in the location of the infiltration practice for determining infiltration rates. [Minn. R. 7090]
16.11	For design purposes, permittees must divide field measured infiltration rates by 2 as a safety factor or permittees can use soil-boring results with the infiltration rate chart in the Minnesota Stormwater Manual to determine design infiltration rates. When soil borings indicate type A soils, permittees should perform field measurements to verify the rate is not above

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	8.3 inches per hour. This permit prohibits infiltration if the field measured infiltration rate is above 8.3 inches per hour. [Minn. R. 7090]
16.12	Permittees must employ appropriate on-site testing to ensure a minimum of three (3) feet of separation from the seasonally saturated soils (or from bedrock) and the bottom of the proposed infiltration system. [Minn. R. 7090]
16.13	Permittees must design a maintenance access, typically eight (8) feet wide, for the infiltration system. [Minn. R. 7090]
16.14	This permit prohibits permittees from constructing infiltration systems that receive runoff from vehicle fueling and maintenance areas including construction of infiltration systems not required by this permit. [Minn. R. 7090]
16.15	This permit prohibits permittees from constructing infiltration systems where infiltrating stormwater may mobilize high levels of contaminants in soil or groundwater. Permittees must either complete the MPCA's contamination screening checklist or conduct their own assessment to determine the suitability for infiltration. Permittees must retain the checklist or assessment with the SWPPP.
	For more information and to access the MPCA's "contamination screening checklist" see the Minnesota Stormwater Manual. [Minn. R. 7090]
16.16	This permit prohibits permittees from constructing infiltration systems in areas where soil infiltration rates are field measured at more than 8.3 inches per hour unless they amend soils to slow the infiltration rate below 8.3 inches per hour. [Minn. R. 7090]
16.17	This permit prohibits permittees from constructing infiltration systems in areas with less than three (3) feet of separation distance from the bottom of the infiltration system to the elevation of the seasonally saturated soils or the top of bedrock. [Minn. R. 7090]
16.18	This permit prohibits permittees from constructing infiltration systems in areas of predominately Hydrologic Soil Group type D soils (clay). [Minn. R. 7090]
16.19	This permit prohibits permittees from constructing infiltration systems within a Drinking Water Supply Management Area (DWSMA) as defined in Minn. R. 4720.5100, subp. 13, if the system will be located:
	a. in an Emergency Response Area (ERA) within a DWSMA classified as having high or very high vulnerability as defined by the Minnesota Department of Health; or b. in an ERA within a DWSMA classified as moderate vulnerability unless a regulated MS4 Permittee performed or approved a higher level of engineering review sufficient to provide a functioning treatment system and to prevent adverse impacts to
	groundwater; or c. outside of an ERA within a DWSMA classified as having high or very high vulnerability, unless a regulated MS4 Permittee performed or approved a higher level of engineering review sufficient to provide a functioning treatment system and to prevent adverse impacts to groundwater.
	See "higher level of engineering review" in the Minnesota Stormwater Manual for more information. [Minn. R. 7090]
16.20	This permit prohibits permittees from constructing infiltration systems in areas within 1,000 feet upgradient or 100 feet downgradient of active karst features. [Minn. R. 7090]
16.21	This permit prohibits permittees from constructing infiltration systems in areas that receive runoff from the following industrial facilities not authorized to infiltrate stormwater under the NPDES stormwater permit for industrial activities: wood preserving facilities; automobile salvage yards; scrap recycling and waste recycling facilities; hazardous waste treatment, storage, or disposal facilities; or air transportation facilities that conduct deicing activities. [Minn. R. 7090]
17.1	Filtration Systems. [Minn. R. 7090]
17.2	Filtration options include but are not limited to: sand filters with underdrains, biofiltration areas, swales using underdrains with impermeable check dams and underground sand filters. If permittees utilize a filtration system to meet the permanent stormwater treatment requirements of this permit, they must comply with items 17.3 through 17.11. [Minn. R. 7090]
17.3	Permittees must not install filter media until they construct and fully stabilize the contributing drainage area unless they provide rigorous erosion prevention and sediment controls (e.g., diversion berms) to keep sediment and runoff completely away from the filtration area. [Minn. R. 7090]
17.4	Permittees must design filtration systems to remove at least 80 percent of TSS. [Minn. R. 7090]
17.5	Permittees must use a pretreatment device such as a vegetated filter strip, small sedimentation basin, water quality inlet, forebay or hydrodynamic separator to remove settleable solids, floating materials, and oils and grease from the runoff, to the maximum extent practicable, before runoff enters the filtration system. [Minn. R. 7090]

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17.6	Permittees must design filtration systems to treat a water quality volume (calculated as an instantaneous volume) of one (1) inch of runoff, or one (1) inch minus the volume of stormwater treated by another system on the site, from the net increase of impervious surfaces created by the project. [Minn. R. 7090]
17.7	Permittees must design the filtration system to discharge all stormwater (including stormwater in excess of the water quality volume) routed to the system through the uppermost soil surface or engineered media surface within 48 hours. Additional flows that the system cannot filter within 48 hours must bypass the system or discharge through an emergency overflow. [Minn. R. 7090]
17.8	Permittees must design the filtration system to provide a means to visually verify the system is discharging through the soil surface or filter media within 48 hours. [Minn. R. 7090]
17.9	Permittees must employ appropriate on-site testing to ensure a minimum of three (3) feet of separation between the seasonally saturated soils (or from bedrock) and the bottom of the proposed filtration system. [Minn. R. 7090]
17.10	Permittees must ensure that filtration systems with less than three (3) feet of separation between seasonally saturated soils or from bedrock are constructed with an impermeable liner. [Minn. R. 7090]
17.11	The permittees must design a maintenance access, typically eight (8) feet wide, for the filtration system. [Minn. R. 7090]
18.1	Wet Sedimentation Basin. [Minn. R. 7090]
18.2	Permittees using a wet sedimentation basin to meet the permanent stormwater treatment requirements of this permit must incorporate the design parameters in item 18.3 through 18.10. [Minn. R. 7090]
18.3	Permittees must design the basin to have a permanent volume of 1,800 cubic feet of storage below the outlet pipe for each acre that drains to the basin. The basin's permanent volume must reach a minimum depth of at least three (3) feet and must have no depth greater than 10 feet. Permittees must configure the basin to minimize scour or resuspension of solids. [Minn. R. 7090]
18.4	Permittees must design the basin to provide live storage for a water quality volume (calculated as an instantaneous volume) of one (1) inch of runoff, or one (1) inch minus the volume of stormwater treated by another system on the site, from the net increase in impervious surfaces created by the project. [Minn. R. 7090]
18.5	Permittees must design basin outlets so the water quality volume discharges at no more than 5.66 cubic feet per second (cfs) per acre of surface area of the basin. [Minn. R. 7090]
18.6	Permittees must design basin outlets to prevent short-circuiting and the discharge of floating debris. Basin outlets must have energy dissipation. [Minn. R. 7090]
18.7	Permittees must design the basin to include a stabilized emergency overflow to accommodate storm events in excess of the basin's hydraulic design. [Minn. R. 7090]
18.8	Permittees must design a maintenance access, typically eight (8) feet wide, for the basin. [Minn. R. 7090]
18.9	Permittees must locate basins outside of surface waters and any buffer zone required in item 23.11. Permittees must design basins to avoid draining water from wetlands unless the impact to the wetland complies with the requirements of Section 22. [Minn. R. 7090]
18.10	Permittees must design basins using an impermeable liner if located within active karst terrain. [Minn. R. 7090]
19.1	Regional Wet Sedimentation Basins. [Minn. R. 7090]
19.2	When the entire water quality volume cannot be treated by volume reduction practices on-site, permittees can use or create regional wet sedimentation basins provided they are constructed basins, not a natural wetland or water body, (wetlands used as regional basins must be mitigated for, see Section 22). The owner must ensure the regional basin conforms to all requirements for a wet sedimentation basin as described in items 18.3 through 18.10 and must be large enough to account for the entire area that drains to the regional basin. Permittees must verify that the regional basin will discharge at no more than 5.66 cfs per acre of surface area of the basin and must provide a live storage volume of one-inch times all the impervious area draining to the basin. Permittees cannot significantly degrade waterways between the project and the regional basin. The owner must obtain written authorization from the applicable LGU or private entity that owns and maintains the regional basin. [Minn. R. 7090]
20.1	SWPPP Availability. [Minn. R. 7090]
20.2	Permittees must keep the SWPPP on-site, or electronically available on-site, during normal working hours with personnel who have operational control over the applicable portion of the site, including all changes to the SWPPP, inspections, and maintenance records. [Minn. R. 7090]
21.1	Training Requirements. [Minn. R. 7090]

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21.2 Permittees must ensure all of the following individuals receive training and the content and extent of the training is commensurate with the individual's job duties and responsibilities with regard to activities covered under this permit: a. Individuals preparing the SWPPP for the project. b. Individuals overseeing implementation of, revising and/or amending the SWPPP and individuals performing inspections for the project. One of these individuals must be available for an on-site inspection within 72 hours upon request by the MPCA. c. Individuals performing or supervising the installation, maintenance and repair of BMPs. [Minn. R. 7090] 21.3 Permittees must ensure individuals identified in Section 21 receive training from local, state, federal agencies, professional organizations, or other entities with expertise in erosion prevention, sediment control, permanent stormwater treatment and the Minnesota NPDES/SDS Construction Stormwater permit. Permittees must ensure these individuals attend a refresher-training course every three (3) years. [Minn. R. 7090] **Requirements for Discharges to Wetlands.** [Minn. R. 7050.0186] 22.1 22.2 If the project has any discharges with the potential for significant adverse impacts to a wetland, (e.g., conversion of a natural wetland to a stormwater pond) permittees must demonstrate that the wetland mitigative sequence has been followed in accordance with items 22.3 or 22.4. [Minn. R. 7050.0186] 22.3 If the potential adverse impacts to a wetland on a specific project site are addressed by permits or other approvals from an official statewide program (U.S. Army Corps of Engineers 404 program, Minnesota Department of Natural Resources, or the State of Minnesota Wetland Conservation Act) that are issued specifically for the project and project site, permittees may use the permit, decision or other determination issued by these agencies to show the potential adverse impacts are addressed. For purposes of this permit, deminimus actions are determinations by the permitting agency that address the project impacts, whereas a non-jurisdictional determination does not address project impacts. [Minn. R. 7090] 22.4 If there are impacts from the project not addressed in one of the permits, decisions or other determinations discussed in item 22.3 (e.g., permanent inundation or flooding of the wetland, significant degradation of water quality, excavation, filling, draining), permittees must minimize all adverse impacts to wetlands by utilizing appropriate measures. Permittees must use measures based on the nature of the wetland, its vegetative community types and the established hydrology. These measures include in order of preference: a. avoid all significant adverse impacts to wetlands from the project and post-project discharge; b. minimize any unavoidable impacts from the project and post-project discharge; c. provide compensatory mitigation when the permittees determine(s) that there is no reasonable and practicable alternative to having a significant adverse impact on a wetland. For compensatory mitigation, wetland restoration or creation must be of the same type, size and whenever reasonable and practicable in the same watershed as the impacted wetland. [Minn. R. 7050.0186] 23.1 Additional Requirements for Discharges to Special (Prohibited, Restricted, Other) and Impaired Waters. [Minn. R. 7090] 23.2 The BMPs identified for each special or impaired water are required for those areas of the project draining to a discharge point on the project that is within one mile (aerial radius measurement) of special or impaired water and flows to that special or impaired water. [Minn. R. 7090] 23.3 Discharges to the following special waters identified as Prohibited in Minn. R. 7050.0335 subp. 3 must incorporate the BMPs outlined in items 23.9, 23.10, 23.11, 23.13 and 23.14: a. Boundary Waters Canoe Area Wilderness; Voyageurs National Park; Kettle River from the site of the former dam at Sandstone to its confluence with the Saint Croix River; Rum River from Ogechie Lake spillway to the northernmost confluence with Lake Onamia. b. Those portions of Lake Superior North of latitude 47 degrees, 57 minutes, 13 seconds, East of Hat Point, South of the Minnesota-Ontario boundary, and West of the Minnesota-Michigan boundary; c. Scientific and Natural Areas identified as in Minn. R. 7050.0335 Subp. 3: Boot Lake, Anoka County; Kettle River in sections 15, 22, 23, T 41 N, R 20, Pine County; Pennington Bog, Beltrami County; Purvis Lake-Ober Foundation, Saint Louis County; waters within the borders of Itasca Wilderness Sanctuary, Clearwater County; Iron Springs Bog, Clearwater County; Wolsfeld Woods, Hennepin County; Green Water Lake, Becker County; Blackdog Preserve, Dakota County; Prairie Bush Clover, Jackson County; Black Lake Bog, Pine County; Pembina Trail Preserve, Polk County; and Falls Creek, Washington County. [Minn. R. 7050.0335, subp. 3] 23.4 Discharges to the following special waters identified as Restricted in Minn. R. 7050.0335 subp.1 must incorporate the BMPs

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outlined in items 23.9, 23.10 and 23.11:

- a. Lake Superior, except those portions identified as prohibited in item 23.3.b;
- b. Mississippi River in those portions from Lake Itasca to the southerly boundary of Morrison County that are included in the Mississippi Headwaters Board comprehensive plan dated February 12, 1981;
- c. Scenic or Recreational River Segments: Saint Croix River, entire length; Cannon River from northern city limits of Faribault to its confluence with the Mississippi River; North Fork of the Crow River from Lake Koronis outlet to the Meeker-Wright county line; Kettle River from north Pine County line to the site of the former dam at Sandstone; Minnesota River from Lac que Parle dam to Redwood County State Aid Highway 11; Mississippi River from County State Aid Highway 7 bridge in Saint Cloud to northwestern city limits of Anoka; and Rum River from State Highway 27 bridge in Onamia to Madison and Rice streets in Anoka;
- d. Lake Trout Lakes identified in Minn. R. 7050.0335 including lake trout lakes inside the boundaries of the Boundary Waters Canoe Area Wilderness and Voyageurs National Park;
- e. Calcareous Fens listed in Minn. R. 7050.0335, subp. 1. [Minn. R. 7050.0335, subp. 1]
- Discharges to the Trout Lakes (other special water) identified in Minn. R. 6264.0050, subp. 2 and Minn. R. 7050.0420 must incorporate the BMPs outlined in items 23.9, 23.10 and 23.11. [Minn. R. 6264.0050, subp. 2, Minn. R. 7050]
- Discharges to the Trout Streams (other special water) listed in Minn. R. 6264.0050, subp. 4 and Minn. R. 7050.0420 must incorporate the BMPs outlined in items 23.9, 23.10, 23.11 and 23.12. [Minn. R. 6264.0050, subp. 4, Minn. R. 7050]
- Discharges to impaired waters or a water with an USEPA approved TMDL for any of the impairments listed in this item must incorporate the BMPs outlined in items 23.9 and 23.10. Impaired waters are waters identified as impaired under section 303 (d) of the federal Clean Water Act for phosphorus (nutrient eutrophication biological indicators, nutrients), turbidity, TSS, dissolved oxygen or aquatic biota (fish bioassessment, aquatic plant bioassessment and aquatic macroinvertebrate bioassessment, benthic macroinvertebrate bioassessment). Terms used for the pollutants or stressors in this item are subject to change. [Minn. R. 7090]
- 23.8 Where the additional BMPs in this Section conflict with requirements elsewhere in this permit, items 23.9 through 23.14 take precedence. [Minn. R. 7090]
- Permittees must immediately initiate stabilization of exposed soil areas, as described in item 8.5 & 8.8, and complete the stabilization within seven (7) calendar days after the construction activity in that portion of the site temporarily or permanently ceases. [Minn. R. 7090]
- 23.10 Permittees must provide a temporary sediment basin as described in Section 14 for common drainage locations that serve an area with five (5) or more acres disturbed at one time. [Minn. R. 7090]
- 23.11 Permittees must include an undisturbed buffer zone of not less than 100 linear feet from a special water (not including tributaries) and must maintain this buffer zone at all times, both during construction and as a permanent feature post construction, except where a water crossing or other encroachment is necessary to complete the project. Permittees must fully document the circumstance and reasons the buffer encroachment is necessary in the SWPPP and include restoration activities. This permit allows replacement of existing impervious surface within the buffer. Permittees must minimize all potential water quality, scenic and other environmental impacts of these exceptions by the use of additional or redundant (double) BMPs and must document this in the SWPPP for the project. [Minn. R. 7090]
- Permittees must design the permanent stormwater treatment system so the discharge from the project minimizes any increase in the temperature of trout streams resulting from the one (1) and two (2) year 24-hour precipitation events. This includes all tributaries of designated trout streams located within the same Public Land Survey System (PLSS) Section.

 Permittees must incorporate one or more of the following measures, in order of preference:
 - a. Provide stormwater infiltration or other volume reduction practices as described in item 15.4 and 15.5, to reduce runoff. Infiltration systems must discharge all stormwater routed to the system within 24 hours.
 - b. Provide stormwater filtration as described in Section 17. Filtration systems must discharge all stormwater routed to the system within 24 hours.
 - c. Minimize the discharge from connected impervious surfaces by discharging to vegetated areas, or grass swales, and through the use of other non-structural controls.
 - d. If ponding is used, the design must include an appropriate combination of measures such as shading, vegetated swale discharges or constructed wetland treatment cells that limit temperature increases. The pond must be designed as a dry pond and should draw down in 24 hours or less.
 - e. Other methods that minimize any increase in the temperature of the trout stream. [Minn. R. 7090]

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23.13	Permittees must conduct routine site inspections once every three (3) days as described in item 11.2 for projects that discharge to prohibited waters. [Minn. R. 7090]
23.14	If discharges to prohibited waters cannot provide volume reduction equal to one (1) inch times the net increase of impervious surfaces as required in item 15.4 and 15.5, permittees must develop a permanent stormwater treatment system design that will result in no net increase of TSS or phosphorus to the prohibited water. Permittees must keep the plan in the SWPPP for the project. [Minn. R. 7090]
24.1	General Provisions. [Minn. R. 7090]
24.2	If the MPCA determines that an individual permit would more appropriately regulate the construction activity, the MPCA may require an individual permit to continue the construction activity. Coverage under this general permit will remain in effect until the MPCA issues an individual permit. [Minn. R. 7001.0210, subp. 6]
24.3	If the permittee cannot meet the terms and conditions of this general permit, an owner may request an individual permit, in accordance with Minn. R. 7001.0210 subp. 6. [Minn. R. 7001.0210, subp. 6]
24.4	Any interested person may petition the MPCA to require an individual NPDES/SDS permit in accordance with 40 CFR 122.28(b)(3). [40 CFR 122.28(b)(3)]
24.5	In addition to the requirement found in section 20, permittees must make the SWPPP, including all inspection reports, maintenance records, training records and other information required by this permit, available to federal, state, and local officials within three (3) days upon request for the duration of the permit and for three (3) years following the NOT. [Minn. R. 7090]
24.6	Permittees may not assign or transfer this permit except when the transfer occurs in accordance with the applicable requirements of item 3.7 and 3.8. [Minn. R. 7090]
24.7	Nothing in this permit must be construed to relieve the permittees from civil or criminal penalties for noncompliance with the terms and conditions provided herein. Nothing in this permit must be construed to preclude the initiation of any legal action or relieve the permittees from any responsibilities, liabilities, or penalties to which the permittees is/are or may be subject to under Section 311 of the Clean Water Act and Minn. Stat. Section 115 and 116, as amended. Permittees are not liable for permit requirements for activities occurring on those portions of a site where the permit has been transferred to another party as required in item 3.7 or the permittees have submitted the NOT as required in Section 4. [Minn. R. 7090]
24.8	The provisions of this permit are severable. If any provision of this permit or the application of any provision of this permit to any circumstances is held invalid, the application of such provision to other circumstances, and the remainder of this permit must not be affected thereby. [Minn. R. 7090]
24.9	The permittees must comply with the provisions of Minn. R. 7001.0150, subp. 3 and Minn. R. 7001.1090, subp. 1(A), 1(B), 1(C), 1(H), 1(I), 1(J), 1(K), and 1(L). [Minn. R. 7001]
24.10	The permittees must allow access as provided in 40 CFR 122.41(i) and Minn. Stat. Section 115.04. The permittees must allow representatives of the MPCA or any member, employee or agent thereof, when authorized by it, upon presentation of credentials, to enter upon any property, public or private, for the purpose of obtaining information or examination of records or conducting surveys or investigations. [40 CFR 122.41(i)]
24.11	For the purposes of Minn. R. 7090 and other documents that reference specific sections of this permit, "Stormwater Discharge Design Requirements" corresponds to Sections 5, 6 and 14 through 21; "Construction Activity Requirements" corresponds to Sections 7 through 13; and "Appendix A" corresponds to Sections 22 and 23. [Minn. R. 7090]
25.1	Definitions. [Minn. R. 7090]
25.2	"Active karst" means a terrain having distinctive landforms and hydrology created primarily from the dissolution of soluble rocks within 50 feet of the land surface. [Minn. R. 7090]
25.3	"Aerial radius measurement" means the shortest straight line distance measurement between the point of stormwater discharge from a project construction site to the nearest edge of the water body receiving the stormwater. This measurement does not follow the meander flow path. [Minn. R. 7090]
25.4	"Best Management Practices (BMPs)" means the most effective and practicable means of erosion prevention and sediment control, and water quality management practices that are the most effective and practicable means of to control, prevent, and minimize degradation of surface water, including avoidance of impacts, construction-phasing, minimizing the length of time soil areas are exposed, prohibitions, pollution prevention through good housekeeping, and other management practices published by state or designated area-wide planning agencies. [Minn. R. 7090]
25.5	"Common Plan of Development or Sale" means one proposed plan for a contiguous area where multiple separate and distinct land-disturbing activities may be taking place at different times, on different schedules, but under one proposed

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plan. One plan is broadly defined to include design, permit application, advertisement or physical demarcation indicating that land-disturbing activities may occur. [Minn. R. 7090] 25.6 "Construction Activity" means activities including clearing, grading, and excavating, that result in land disturbance of equal to or greater than one acre, including the disturbance of less than one acre of total land area that is part of a larger common plan of development or sale if the larger common plan will ultimately disturb equal to or greater than one acre. This includes a disturbance to the land that results in a change in the topography, existing soil cover, both vegetative and nonvegetative, or the existing soil topography that may result in accelerated stormwater runoff that may lead to soil erosion and movement of sediment. Construction activity does not include a disturbance to the land of less than five acres for the purpose of routine maintenance performed to maintain the original line and grade, hydraulic capacity, and original purpose of the facility. Routine maintenance does not include activities such as repairs, replacement and other types of non-routine maintenance. Pavement rehabilitation that does not disturb the underlying soils (e.g., mill and overlay projects) is not construction activity. [Minn. R. 7090] 25.7 "Dewatering" means the removal of surface or ground water to dry and/or solidify a construction site to enable construction activity. Dewatering may require a Minnesota Department of Natural Resources water appropriation permit and, if dewatering water is contaminated, discharge of such water may require an individual MPCA NPDES/SDS permit. [Minn. R. 7090] 25.8 "Energy Dissipation" means methods employed at pipe outlets to prevent erosion caused by the rapid discharge of water scouring soils. [Minn. R. 7090] 25.9 "Erosion Prevention" means measures employed to prevent erosion such as soil stabilization practices, permanent cover or construction phasing. [Minn. R. 7090] "General Contractor" means the party who signs the construction contract with the owner to construct the entire project 25.10 described in the final plans and specifications. Where the construction project involves more than one contractor, the general contractor is the party responsible for managing the entire project on behalf of the owner. In some cases, the owner is the general contractor. In these cases, the owner signs the permit application as the operator and becomes the sole permittee. [Minn. R. 7090] 25.11 "Groundwater" means the water contained below the surface of the earth in the saturated zone including, without limitation, all waters whether under confined, unconfined, or perched conditions, in near surface unconsolidated sediment or regolith, or in rock formations deeper underground. [Minn. R. 7060] 25.12 "Homeowner Fact Sheet" means an MPCA fact sheet available on the MPCA Construction Stormwater website for permittees to give to homeowners at the time of sale. [Minn. R. 7090] 25.13 "Infeasible" means not technologically possible or not economically practicable and achievable in light of the best industry practices. [Minn. R. 7090] 25.14 "Initiated immediately" means taking an action to commence soil stabilization as soon as practicable, but no later than the end of the workday, following the day when the land-disturbing activities temporarily or permanently cease, if the permittees know that construction work on that portion of the site will be temporarily ceased for 14 or more additional calendar days or 7 calendar days where item 23.9 applies. Permittees can initiate stabilization by: a. prepping the soil for vegetative or non-vegetative stabilization; or b. applying mulch or other non-vegetative product to the exposed soil area; or c. seeding or planting the exposed area; or d. starting any of the activities in a - c on a portion of the area to be stabilized, but not on the entire area; or e. finalizing arrangements to have stabilization product fully installed in compliance with the applicable deadline for completing stabilization. [Minn. R. 7090] "Impervious Surface" means a constructed hard surface that either prevents or retards the entry of water into the soil and 25.15 causes water to run off the surface in greater quantities and at an increased rate of flow than prior to development. Examples include rooftops, driveways, parking lots, and concrete, asphalt, or gravel roads. Bridges over surface waters are considered impervious surfaces. Recreational trails that are distinctly set apart from a roadway (i.e. not parallel) and intended for non-motorized recreational uses are not considered impervious surfaces. Sidewalks that are parallel to a roadway (or generally following alongside a roadway) must still be included as impervious surfaces. [Minn. R. 7090] 25.16 "National Pollutant Discharge Elimination System (NPDES)" means the program for issuing, modifying, revoking, reissuing, terminating, monitoring, and enforcing permits under the Clean Water Act, as amended (33 U.S.C. 1251 et seq. Section 1342 and 40 CFR parts 122, 123, 124 and 450). [Minn. R. 7001.1020]

25.17 | "Natural Buffer" means an area of undisturbed cover surrounding surface waters within which construction activities are

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	restricted. Natural buffer includes the vegetation, exposed rock, or barren ground that exists prior to commencement of earth-disturbing activities. [Minn. R. 7090]
25.18	"Normal Wetted Perimeter" means the area of a conveyance, such as a ditch or channel, that is in contact with water during flow events that are expected to occur from a two-year, 24-hour storm event. [Minn. R. 7090]
25.19	"Notice of Termination (NOT)" means the form (electronic or paper) required for terminating coverage under the Construction General permit. [Minn. R. 7090]
25.20	"Operator" means the person (usually the general contractor), firm, governmental agency, or other entity designated by the owner who has day to day operational control and/or the ability to modify project plans and specifications related to the SWPPP. The permit application must list the operator as a permittee. Subcontractors hired by and under supervision of the general contractor are not operators. [Minn. R. 7090]
25.21	"Owner" means the person, firm, governmental agency, or other entity possessing the title of the land on which the construction activities will occur or, if the construction activity is for a lease, easement, or mineral rights license holder, the party or individual identified as the lease, easement or mineral rights license holder; or the contracting government agency responsible for the construction activity. [Minn. R. 7090]
25.22	"Permanent Cover" means surface types that will prevent soil failure under erosive conditions. Examples include: gravel, concrete, perennial cover, or other landscaped material that will permanently arrest soil erosion. Permittees must establish a uniform perennial vegetative cover (i.e., evenly distributed, without large bare areas) with a density of 70 percent of the vegetative cover native to local undisturbed areas on all areas not covered by permanent structures, or equivalent permanent stabilization measures. Permanent cover does not include temporary BMPs such as wood fiber blanket, mulch, and rolled erosion control products. [Minn. R. 7090]
25.23	"Permittee(s)" means the person(s), firm, governmental agency, or other entity identified as the owner and operator on the application submitted to the MPCA and are responsible for compliance with the terms and conditions of this permit. [Minn. R. 7090]
25.24	"Project(s)" means all construction activity planned and/or conducted under a particular permit. The project occurs on the site or sites described in the permit application, the SWPPP and in the associated plans, specifications and contract documents. [Minn. R. 7090]
25.25	"Public Waters" means all water basins and watercourses described in Minn. Stat. Section 103G.005 subd. 15. [Minn. Stat. 103G.005, subd.15]
25.26	"Redoximorphic Features" means a color pattern in soil, formed by oxidation and reduction process of iron and/or manganese in seasonally saturated soil. [Minn. R. 7090]
25.27	"Section" includes all item numbers of the same whole number. For example, "Section 3" of the permit refers to items 3.1 through 3.8. [Minn. R. 7090]
25.28	"Seasonally Saturated Soil" means the highest seasonal elevation in the soil in a reduced chemical state because of soil voids filled with water causing anaerobic conditions. Seasonally saturated soil is evidenced by the presence of redoximorphic features or other information determined by scientifically established methods or empirical field measurements. [Minn. R. 7090]
25.29	"Sediment Control" means methods employed to prevent suspended sediment in stormwater from leaving the site (e.g. silt fences, compost logs and storm drain inlet protection). [Minn. R. 7090]
25.30	"Stabilize", "Stabilized", "Stabilization" means the exposed ground surface has been covered by appropriate materials such as mulch, staked sod, riprap, erosion control blanket, mats or other material that prevents erosion from occurring. Grass seeding, agricultural crop seeding or other seeding alone is not stabilization. Mulch materials must achieve approximately 90 percent ground coverage (typically 2 ton/acre). [Minn. R. 7090]
25.31	"Stormwater" means precipitation runoff, stormwater runoff, snowmelt runoff, and any other surface runoff and drainage. [Minn. R. 7090]
	[William 10.7030]
25.32	"Steep Slopes" means slopes that are 1:3 (V:H) (33.3 percent) or steeper in grade. [Minn. R. 7090]
25.32	

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	treatment systems constructed in wetlands and mitigated in accordance with Section 22 as surface waters. [Minn. R. 7090]
25.35	"Waters of the State" means all streams, lakes, ponds, marshes, watercourses, waterways, wells, springs, reservoirs, aquifers, irrigation systems, drainage systems and all other bodies or accumulations of water, surface or underground, natural or artificial, public or private, which are contained within, flow through, or border upon the state or any portion thereof. [Minn. Stat. 115.01, subd. 22]
25.36	"Water Quality Volume" means one (1) inch of runoff from the net increase in impervious surfaces created by the project (calculated as an instantaneous volume). [Minn. R. 7090]
25.37	"Wetlands" means those areas that are inundated or saturated by surface water or groundwater at a frequency and duration sufficient to support, and under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas. Constructed wetlands designed for wastewater treatment are not waters of the state. Wetlands must have the following attributes:
	a. a predominance of hydric soils; and b. inundated or saturated by surface water or groundwater at a frequency and duration sufficient to support a prevalence of hydrophytic vegetation typically adapted for life in a saturated soil condition; and c. under normal circumstances support a prevalence of such vegetation. [Minn. R. 7050.0186, subp. 1(a)B]



AUTHORIZATION TO DISCHARGE

STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY

UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)/

STATE DISPOSAL SYSTEM (SDS) PROGRAM

C00071231

Permittee (Owner): Yellow Medicine County Highway Department

Permittee (Operator): Yellow Medicine County Highway Department

Project Name: SAP 087-630-007

City or Township: Canby, County: Yellow Medicine

Location description:

Located on CSAH 30, From 08 Mi East of Jct 160th St, 33 Miles to Jct TH 68

Issuance date: January 8, 2025

Expiration date: July 31, 2028

The state of Minnesota, on behalf of its citizens through the Minnesota Pollution Control Agency (MPCA), authorizes the Permittee(s) named above seeking coverage under this general permit to discharge stormwater associated with construction activity to waters of the state of Minnesota in accordance with the requirements of this permit.

The goal of this permit is to reduce pollutant levels in point source discharges and protect water quality in accordance with the U.S. Clean Water Act, Minnesota statutes and rules, and federal laws and regulations.

This permit is effective on the issuance date identified above. This permit expires at midnight on the expiration date identified above.

Signature:

Ryan Anderson

This document has been electronically signed.

for the Minnesota Pollution Control Agency

Ryan Anderson Manager

Stormwater Section Municipal Division

Permit application:

Submit via MPCA e-Services at https://rsp.pca.state.mn.us/

Questions on this permit?

Contact e-Services at

651-757-2728 or 844-828-0942

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1.1	Permit Coverage. [Minn. R. 7090]
1.2	This permit is required for construction activity that results in land disturbance of equal to or greater than one (1) acre or if a project is part of a common plan of development or sale that ultimately will disturb greater than one (1) acre, and authorizes, subject to the terms and conditions of this permit, the discharge of stormwater associated with construction activity. [Minn. R. 7090]
1.3	Construction activity covered by this permit cannot commence until coverage under this permit is effective as described in item 3.3 through 3.4 or, if applicable, until the Minnesota Pollution Control Agency (MPCA) has issued an individual National Pollutant Discharge Elimination System (NPDES)/State Disposal System (SDS) construction stormwater permit for the project. [Minn. R. 7090]
1.4	This permit covers all areas of the State of Minnesota except land wholly within the boundaries of a federally recognized Indian Reservation owned by a tribe or a tribal member or land held in trust by the federal government for a tribe or tribal member. [Minn. R. 7090]
1.5	Coverage under this permit is not required when all stormwater from construction activity is routed directly to and treated by a "treatment works," as defined in Minn. Stat. Section 115.01, subd. 21, operated under an individual NPDES/SDS permit with a Total Suspended Solids (TSS) effluent limit. [Minn. R. 7090]
1.6	This permit covers ongoing projects covered under any previous construction stormwater permit that are not complete on the issuance date of this permit. Permittees must either remain in compliance with the previous permit and terminate coverage within 18 months of the issuance date of this permit or comply with this permit, including updating the Stormwater Pollution Prevention Plan (SWPPP), within the 18-month period. Permittees of previously permitted projects are not required to incorporate any additional requirements regarding the permanent stormwater treatment system included in this reissued permit. [Minn. R. 7090]
1.7	Coverage for projects that extend beyond the expiration date of this permit remains effective for a grace period of 18 months. If Permittees cannot complete projects during the grace period, the MPCA will extend coverage under the next permit and permittees must comply with the requirements of the new permit including updating the SWPPP. Permittees are not required to follow changes to the permanent stormwater treatment section of the next permit. [Minn. R. 7090]
2.1	Prohibitions and Limitations of Coverage. [Minn. R. 7090]
2.2	The owner must develop a complete and accurate SWPPP that complies with item 5.2 prior to submitting the application for coverage and starting construction activity. Failure to prepare a SWPPP prior to submitting the application may result in permit revocation. [Minn. R. 7090]
2.3	This permit prohibits discharges of any material other than stormwater treated in compliance with this permit and discharges from dewatering or basin draining activities in accordance with Section 10. Prohibited discharges include, but are not limited to, wastewater from washout of concrete, stucco, paint, form release oils, curing compounds and other construction materials, fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance, soaps or solvents used in vehicle and equipment washing and maintenance, and other hazardous substances or wastes. [Minn. R. 7090]
2.4	This permit does not authorize stormwater discharges related to the placement of fill into waters of the state requiring local, state or federal authorizations (such as U.S. Army Corps of Engineers Section 404 permits, Minnesota Department of Natural Resources (DNR) Public Waters Work permits or local governmental unit (LGU) Wetland Conservation Act replacement plans or determinations). [Minn. R. 7090]
2.5	This permit does not authorize stormwater discharges associated with industrial activity except for construction activity. Permittees must obtain coverage for discharges associated with industrial activity under a separate NPDES/SDS permit once day-to-day operational activities commence even if construction is ongoing. [Minn. R. 7090]
2.6	This permit does not authorize discharges from non-point source agricultural and silvicultural activities excluded from NPDES permit requirements under 40 CFR pt. 122.3(e). [Minn. R. 7090]
2.7	This permit does not authorize stormwater discharges to Prohibited, Restricted, Special or Impaired waters unless permittees follow the additional stormwater requirements in Section 23. [Minn. R. 7090]
2.8	This permit does not replace or satisfy any environmental review requirements including those under the Minnesota Environmental Policy Act or the National Environmental Policy Act. The owner must verify completion of any environmental review required by law, including any required Environmental Assessment Work Sheets or Environmental Impact Statements, Federal environmental review, or other required review prior to applying for coverage under this permit. If any part of your common plan of development or sale requires environmental review, coverage under this permit cannot be

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	obtained until such environmental review is complete. [Minn. R. 7090]
2.9	This permit does not replace or satisfy any review requirements for discharges adversely impacting State or Federally designated endangered or threatened species or a designated critical habitat. The owner must comply with the National Historic Preservation Act and conduct all required review and coordination related to historic preservation, including significant anthropological sites and any burial sites, with the Minnesota Historic Preservation Officer. [Minn. R. 7090]
2.10	This permit does not authorize discharges to wetlands unless the permittee complies with the requirements in Section 22. Coverage under this permit cannot be issued until the requirements for wetland permits, decisions, other determinations, or the mitigative sequence required in section 22 have been finalized and documented. [Minn. R. 7050.0186]
3.1	Application and Coverage Effective Date. [Minn. R. 7090]
3.2	The owner and operator must submit a complete and accurate on-line application with the appropriate fee to the MPCA for each project that disturbs one (1) or more acres of land or for a common plan of development or sale that will ultimately disturb one (1) or more acres. [Minn. R. 7090]
3.3	For projects or common plans of development or sale that disturb less than 50 acres or do not discharge stormwater within 1 mile (aerial radius measurement) of a special or impaired water, permittees do not need to submit the SWPPP with the application. Permit coverage for these projects is effective upon application and completing the payment process. [Minn. R. 7090]
3.4	For certain projects or common plans of development or sale disturbing 50 acres or more, the complete SWPPP must be included with the application and submitted at least 30 days before the start of construction activity. This applies if there is a discharge point on the project within one mile (aerial radius measurement) of, and flows to, a special water listed in item 23.3 through 23.6 or an impaired water as described in item 23.7. Permit coverage for these projects is effective upon submitting the application and complete SWPPP, completing the payment process and receiving a determination from the MPCA that the review of the SWPPP is complete. The determination may take longer than 30 days if the SWPPP is incomplete. If the MPCA fails to contact the permittees within 30 days of application receipt, coverage is effective 30 days after completing the payment process. [Minn. R. 7090]
3.5	The application requires listing all persons meeting the definition of owner and operator as permittees. The owner is responsible for compliance with all terms and conditions of this permit. The operator is responsible for compliance with Sections 3, 4, 6-22, 24 and applicable requirements for construction activity in Section 23. [Minn. R. 7090]
3.6	Permittees will receive coverage notification in a manner determined by the MPCA. [Minn. R. 7090]
3.7	For construction projects where the owner or operator changes (e.g., an original developer sells portions of the property to various homebuilders or sells the entire site to a new owner), the current owner and the new owner or operator must submit a complete permit modification form provided by the MPCA. The current owner and the new owner or operator must submit the form prior to the new owner or operator commencing construction activity or no later than 30 days after taking ownership of the property. [Minn. R. 7090]
3.8	For construction projects where the owner or operator changes, the current owner must provide a SWPPP to the new owner and operator that specifically addresses the remaining construction activity. The new owner or operator can implement the original SWPPP, modify the SWPPP, or develop a new SWPPP. Permittees must ensure their activities do not render another party's erosion prevention and sediment control BMPs ineffective. [Minn. R. 7090]
4.1	Termination of Coverage. [Minn. R. 7090]
4.2	Permittees must submit a NOT within 30 days after all termination conditions listed in Section 13 are complete. [Minn. R. 7090]
4.3	Permittees must submit a NOT within 30 days after selling or otherwise legally transferring the entire site, including permit responsibility for roads (e.g., street sweeping) and stormwater infrastructure final clean out, or transferring portions of a site to another party. The permittees' coverage under this permit terminates at midnight on the submission date of the NOT. [Minn. R. 7090]
4.4	Permittees may terminate permit coverage prior to completion of all construction activity if they meet all of the following conditions:
	a. construction activity has ceased for at least 90 days; and b. at least 90 percent (by area) of all originally proposed construction activity has been completed and permanent cover has been established on those areas; and c. on areas where construction activity is not complete, permanent cover has been established; and d. the site complies with item 13.3 through 13.7.

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	After permit coverage is terminated under this item, any subsequent development on the remaining portions of the site will require permit coverage if the subsequent development itself or as part of the remaining common plan of development or sale will result in land disturbing activities of one (1) or more acres in size. [Minn. R. 7090]
4.5	Permittees may terminate coverage upon MPCA approval after submitting information documenting the owner cancelled the project. [Minn. R. 7090]
5.1	Stormwater Pollution Prevention Plan (SWPPP) Content. [Minn. R. 7090]
5.2	The owner must develop and implement a SWPPP. The SWPPP must include items 5.3 through 5.26. [Minn. R. 7090]
5.3	The SWPPP must incorporate specific Best Management Practices (BMP) used to comply with the requirements of this permit. [Minn. R. 7090]
5.4	The SWPPP must include a narrative describing the timing for installation of all erosion prevention and sediment control BMPs and a description of the permanent stormwater treatment systems. [Minn. R. 7090]
5.5	The SWPPP must include the location and type of all temporary and permanent erosion prevention and sediment control BMPs along with procedures used to establish additional temporary BMPs as necessary for the site conditions during construction. Standard details and/or specifications for BMPs must be included in the final plans and specifications for the project. [Minn. R. 7090]
5.6	The SWPPP must include the calculations and other information used for the design of temporary sediment basins and any of the permanent stormwater treatment systems required in Section 15. [Minn. R. 7090]
5.7	The SWPPP must include estimated quantities anticipated at the start of the project for the life of the project for all erosion prevention and sediment control BMPs (e.g., linear feet of silt fence or square feet of erosion control blanket). [Minn. R. 7090]
5.8	The SWPPP must include the number of acres of impervious surface for both pre- and post-construction. [Minn. R. 7090]
5.9	The SWPPP must include a site map with existing and final grades, including drainage area boundaries, directions of flow and all discharge points where stormwater is leaving the site or entering a surface water. The site map must indicate the areas of steep slopes. The site map must also include impervious surfaces, soil types and locations of potential pollutant-generating activities as identified in Section 12. [Minn. R. 7090]
5.10	The SWPPP must include a map of all surface waters, existing wetlands, and stormwater ponds or basins that can be identified on maps such as United States Geological Survey 7.5-minute quadrangle maps, the National Wetland Inventory map or equivalent maps and are within one mile (aerial radius measurement) from the project boundaries that will receive stormwater from the construction site, during or after construction. The SWPPP must identify if the surface waters are special or impaired waters. [Minn. R. 7090]
5.11	The SWPPP must include a site map showing construction activity areas that are adjacent to and drain to Public Waters for which the DNR has promulgated "work in water restrictions" during specified fish spawning time frames. [Minn. R. 7090]
5.12	Permittees must identify locations of 50' buffer zones as required in item 9.17 and 100' permanent buffer zones as required in item 23.11, on plan sheets in the SWPPP. [Minn. R. 7090]
5.13	If permittees determine compliance with the following requirements is infeasible, they must document the determination in the SWPPP:
	a. temporary sediment basins as described in Section 14; and b. for linear projects, if the permanent stormwater treatment system cannot be constructed within the right-of-way, a reasonable attempt must be made to obtain additional right-of-way (item 15.9); and c. buffer zones as described in item 9.17 and item 23.11. [Minn. R. 7090]
5.14	If permittees determine that a temporary sediment basin is infeasible as described in item 14.10, the SWPPP must describe the alternative BMPs used. [Minn. R. 7090]
5.15	Where systems cannot meet the full volume reduction requirement on-site, (e.g., the site has infiltration prohibitions, see item 16.14 through item 16.21) the permittee must document the reasons in the SWPPP. [Minn. R. 7090]
5.16	The SWPPP must include any stormwater mitigation measures proposed to be part of the final project in any environmental review document, endangered species review, archeological or other required local, state or federal review conducted for the project. For purposes of this permit, mitigation measures mean actions necessary to avoid, minimize, or mitigate for impacts related to erosion prevention, sediment control, the permanent stormwater treatment system, pollution prevention management measures and discharges associated with the project's construction activity. [Minn. R. 7090]

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5.17	The SWPPP must describe the methods used for permanent cover of all exposed soil areas. [Minn. R. 7090]
5.18	Permittees must identify the locations of areas where construction will be phased to minimize the duration of exposed soil areas in the SWPPP. [Minn. R. 7090]
5.19	For projects with a discharge point on the project within one (1) mile (aerial radius measurement) of and which flows to an impaired water, permittees must identify the impaired water(s), and any United States Environmental Protection Agency (USEPA)-approved Total Maximum Daily Load (TMDL) for the pollutant(s) or stressor(s) described in item 23.7. Permittees' identification must include those TMDLs approved at any time prior to permit application submittal and are still in effect. [Minn. R. 7090]
5.20	Permittees must document in the SWPPP, all trained individuals identified in item 21.2. Documentation must include:
	a. names of personnel required to be trained; andb. dates of training and name of instructor(s) and entity providing training; andc. content of training course.
	If permittees do not know the names of the individuals at the time of application, the permittees must ensure they document training before construction activity commences. [Minn. R. 7090]
5.21	The SWPPP must identify a person knowledgeable and experienced in the application of erosion prevention and sediment control BMPs who will coordinate with all contractors, subcontractors, and operators on-site to oversee the implementation of the SWPPP. [Minn. R. 7090]
5.22	The SWPPP must describe any specific chemicals and chemical treatment systems used for enhancing the sedimentation process and how it achieves compliance with item 9.19. [Minn. R. 7090]
5.23	The SWPPP must identify the person(s), organizations, or entities responsible for long-term operation and maintenance of permanent stormwater treatment systems. [Minn. R. 7090]
5.24	The SWPPP must describe methods to minimize soil compaction and preserve topsoil. Minimizing soil compaction is not required where the function of a specific area dictates compaction. [Minn. R. 7090]
5.25	The SWPPP must include any site assessments for groundwater or soil contamination required in item 16.15. [Minn. R. 7090]
5.26	The SWPPP must account for the following factors in designing temporary erosion prevention and sediment control BMPs:
	a. the expected amount, frequency, intensity, and duration of precipitation; and b. the nature of stormwater runoff and run-on at the site, including factors such as expected flow from impervious surfaces, slopes, and site drainage features; and c. the stormwater volume, velocity, and peak flowrates to minimize discharge of pollutants in stormwater and to minimize channel and streambank erosion and scour in the immediate vicinity of discharge points; and d. the range of soil particle sizes expected to be present. [Minn. R. 7090]
6.1	SWPPP Amendments. [Minn. R. 7090]
6.2	One of the individuals described in item 21.2.a or item 21.2.b or another qualified individual must complete all SWPPP changes. Changes involving the use of a less stringent BMP must include a justification describing how the replacement BMP is effective for the site characteristics. [Minn. R. 7090]
6.3	Permittees must amend the SWPPP within 7 days to include additional or modified BMPs whenever there is a change in design, construction, operation, maintenance, weather or seasonal conditions having a significant effect on the discharge of pollutants to surface waters or groundwater. [Minn. R. 7090]
6.4	Permittees must amend the SWPPP within 7 days to include additional or modified BMPs whenever inspections or investigations by the site owner or operator, USEPA or MPCA officials indicate the SWPPP is not effective in eliminating or significantly minimizing the discharge of pollutants to surface waters or groundwater or the discharges are causing water quality standard exceedances (e.g., nuisance conditions as defined in Minn. R. 7050.0210, subp. 2) or the SWPPP is not consistent with the objectives of a USEPA approved TMDL. [Minn. R. 7050.0210]
7.1	BMP Selection and Stormwater Management. [Minn. R. 7090]
7.2	Permittees must select, install, and maintain the BMPs identified in the SWPPP and in this permit in an appropriate and functional manner and in accordance with relevant manufacturer specifications and accepted engineering practices to minimize the discharge of pollutants in stormwater from construction activities. Examples of stormwater management practices for this section include but are not limited to wet sedimentation basins, temporary depressions to hold

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	stormwater, stormwater routing, dikes, berms, pumping, and stormwater treatment BMPs. Permittees must phase and incorporate stormwater management principles as the construction progresses. Unless infeasible, temporary or permanent wet sedimentation basins (when required, see section 14 and 15) should be constructed as a first step in the process and stormwater routed to these. [Minn. R. 7090]
7.3	Permittees must not disturb more land (i.e., phasing) than can be effectively inspected and maintained in accordance with Section 11. [Minn. R. 7090]
7.4	If permittees will be using some type of erosion control netting on the site as part of the soil stabilization techniques, permittees are encouraged to use products that have been shown to minimize impacts on wildlife. The U.S. Fish & Wildlife Service recommends using types of netting practices that are considered "wildlife friendly," including those that use natural fiber or 100 percent biodegradable materials and that use a loose weave with a non-welded, movable jointed netting. Products that are not wildlife friendly include square plastic netting that are degradable (e.g., photodegradable, UV-degradable, oxo-degradable), netting made from polypropylene, nylon, polyethylene, or polyester. Other recommendations include removing the netting product when it is no longer needed. More information may be found at: https://www.fws.gov/initiative/protecting-wildlife/make-change-wildlife-friendly-erosion-control-products. There also may be State, Tribal, or local requirements about using wildlife friendly erosion control products. See Minnesota Department of Transportation requirements at: https://www.mndot.org/environment/erosion/rolled-erosion-prevention-products.html. [Minn. R. 7050]
8.1	Erosion Prevention Practices. [Minn. R. 7090]
8.2	Before work begins, permittees must delineate the location of areas not to be disturbed. [Minn. R. 7090]
8.3	Permittees must minimize the need for disturbance of portions of the project with steep slopes. When steep slopes must be disturbed, permittees must use techniques such as phasing and stabilization practices designed for steep slopes (e.g., slope draining and terracing). [Minn. R. 7090]
8.4	Permittees must stabilize all exposed soil areas, including stockpiles. Stabilization must be initiated immediately to limit soil erosion when construction activity has permanently or temporarily ceased on any portion of the site and will not resume for a period exceeding 14 calendar days (7 days for sites discharging to special or impaired waters, see section 24). Stabilization must be completed no later than 14 calendar days after the construction activity has ceased. Stabilization is not required on constructed base components of roads, parking lots and similar surfaces. Stabilization is not required on temporary stockpiles without significant silt, clay or organic components (e.g., clean aggregate stockpiles, demolition concrete stockpiles, sand stockpiles) but permittees must provide sediment controls at the base of the stockpile. [Minn. R. 7090]
8.5	For Public Waters that the Minnesota DNR has promulgated "work in water restrictions" during specified fish spawning time frames, permittees must complete stabilization of all exposed soil areas within 200 feet of the water's edge, and that drain to these waters, within 24 hours during the restriction period. [Minn. R. 7090]
8.6	Permittees must stabilize the normal wetted perimeter of the last 200 linear feet of temporary or permanent drainage ditches or swales that drain water from the site within 24 hours after connecting to a surface water or property edge. Permittees must complete stabilization of remaining portions of temporary or permanent ditches or swales within 14 calendar days (7 days for sites discharging to special or impaired waters, see section 24) after connecting to a surface water or property edge and construction in that portion of the ditch temporarily or permanently ceases. [Minn. R. 7090]
8.7	Temporary or permanent ditches or swales being used as a sediment containment system during construction (with properly designed rock-ditch checks, bio rolls, silt dikes, etc.) do not need to be stabilized. Permittees must stabilize these areas within 24 hours after their use as a sediment containment system ceases. [Minn. R. 7090]
8.8	Permittees must not use mulch, hydromulch, tackifier, polyacrylamide or similar erosion prevention practices within any portion of the normal wetted perimeter of a temporary or permanent drainage ditch or swale section with a continuous slope of greater than 2 percent. Examples of acceptable erosion prevention practices include blankets, poly, riprap, etc. [Minn. R. 7090]
8.9	Permittees must provide temporary or permanent energy dissipation at all pipe outlets within 24 hours after connection to a surface water or permanent stormwater treatment system. [Minn. R. 7090]
9.1	Sediment Control Practices. [Minn. R. 7090]
9.2	Permittees must establish sediment control BMPs on all downgradient perimeters of the site and downgradient areas of the site that drain to any surface water, including curb and gutter systems. Permittees must locate sediment control practices upgradient of any buffer zones. Permittees must install sediment control practices before any upgradient land-disturbing activities begin and must keep the sediment control practices in place until they establish permanent cover. [Minn. R. 7090]
9.3	If downgradient sediment controls are overloaded, based on frequent failure or excessive maintenance requirements,

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	permittees must install additional upgradient sediment control practices or redundant BMPs to eliminate the overloading and amend the SWPPP to identify these additional practices as required in item 6.3. [Minn. R. 7090]
9.4	Temporary or permanent drainage ditches and sediment basins designed as part of a sediment containment system (e.g., ditches with rock-check dams) require sediment control practices only as appropriate for site conditions. [Minn. R. 7090]
9.5	A floating silt curtain placed in the water is not a sediment control BMP to satisfy item 9.2 except when working on a shoreline or below the waterline. Immediately after the construction activity (e.g., installation of rip rap along the shoreline) in that area is complete, permittees must install an upland perimeter control practice if exposed soils still drain to a surface water. [Minn. R. 7090]
9.6	Permittees must re-install all sediment control practices adjusted or removed to accommodate short-term activities such as clearing or grubbing, or passage of vehicles, immediately after the short-term activity is completed. Permittees must re-install sediment control practices before the next precipitation event even if the short-term activity is not complete. [Minn. R. 7090]
9.7	Permittees must protect all storm drain inlets using appropriate BMPs during construction until they establish permanent cover on all areas with potential for discharging to the inlet. [Minn. R. 7090]
9.8	Permittees may remove inlet protection for a particular inlet if a specific safety concern (e.g. street flooding/freezing) is identified by the permittees or the jurisdictional authority (e.g., city/county/township/Minnesota Department of Transportation engineer). Permittees must document the need for removal in the SWPPP. [Minn. R. 7090]
9.9	Permittees must provide silt fence or other effective sediment controls at the base of stockpiles on the downgradient perimeter prior to the initiation of stockpiling. Sediment controls must be managed in accordance with section 9.6. [Minn. R. 7090]
9.10	Permittees must locate stockpiles outside of natural buffers or surface waters, including stormwater conveyances such as curb and gutter systems unless there is a bypass in place for the stormwater. [Minn. R. 7090]
9.11	Permittees must install a vehicle tracking BMP to minimize the track out of sediment from the construction site or onto paved roads within the site. [Minn. R. 7090]
9.12	Permittees must use street sweeping in addition to vehicle tracking BMPs if vehicle tracking BMPs alone are not adequate to prevent sediment tracking onto the street. [Minn. R. 7090]
9.13	Permittees must install temporary sediment basins as required in Section 14. [Minn. R. 7090]
9.14	In any areas of the site where final vegetative stabilization will occur, permittees must restrict vehicle and equipment use to minimize soil compaction. [Minn. R. 7090]
9.15	Permittees must preserve topsoil on the site, unless infeasible. [Minn. R. 7090]
9.16	Permittees must direct discharges from BMPs to vegetated areas unless infeasible. [Minn. R. 7090]
9.17	Permittees must preserve a 50-foot natural buffer or, if a buffer is infeasible on the site, provide redundant (double) perimeter sediment controls when a surface water is located within 50 feet of the project's earth disturbances and stormwater flows to the surface water. Permittees must install perimeter sediment controls at least 5 feet apart unless limited by lack of available space. Natural buffers are not required adjacent to road ditches, judicial ditches, county ditches, stormwater conveyance channels, storm drain inlets, and sediment basins. If preserving the buffer is infeasible, permittees must document the reasons in the SWPPP. Sheet piling and other impermeable barriers installed in a manner that retains all stormwater are considered redundant perimeter control. [Minn. R. 7090]
9.18	Any sediment control made of soil must be temporarily or permanently stabilized within 24 hours. [Minn. R. 7090]
9.19	Permittees must use polymers, flocculants, or other sedimentation treatment chemicals in accordance with accepted engineering practices, dosing specifications and sediment removal design specifications provided by the manufacturer or supplier. The permittees must use conventional erosion and sediment controls prior to chemical addition and must direct treated stormwater to a sediment control system for filtration or settlement of the floc prior to discharge. [Minn. R. 7090]
10.1	Dewatering and Basin Draining. [Minn. R. 7090]
10.2	Permittees must not cause nuisance conditions (see Minn. R. 7050.0210, subp. 2) in surface waters from dewatering and basin draining (e.g., pumped discharges, trench/ditch cuts for drainage) discharges. Permittees must discharge turbid or sediment-laden waters related to dewatering or basin draining to a sediment control (e.g. sediment trap or basin, filter bag) designed to prevent discharges with visual turbidity. To the extent feasible, use well-vegetated (e.g., grassy or wooded), upland areas of the site to infiltrate dewatering water before discharge. Permittees are prohibited from using receiving waters as part of the treatment area. Permittees must visually check and photograph the discharge at the beginning and at least once every 24 hours of operation to ensure adequate treatment has been obtained and nuisance conditions will not

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	result from the discharge. [Minn. R. 7050.0210]
10.3	If nuisance conditions result from the discharge, Permittees must cease dewatering immediately and corrective actions must occur before dewatering is resumed. Nuisance conditions includes, but is not limited to, a sediment plume in the discharge or the discharge appears cloudy, or opaque, or has a visible contrast, or has a visible oil film, or has aquatic habitat degradation that can be identified by an observer. [Minn. R. 7050.0210]
10.4	If permittees must discharge water containing oil or grease, they must use an oil-water separator or suitable filtration device (e.g., cartridge filters, absorbents pads) prior to discharge. [Minn. R. 7090]
10.5	Permittees must discharge all water from dewatering or basin-draining activities in a manner that does not cause erosion or scour in the immediate vicinity of discharge points or inundation of wetlands in the immediate vicinity of discharge points that causes significant adverse impact to the wetland. [Minn. R. 7090]
10.6	If permittees use filters with backwash water, they must haul the backwash water away for disposal, return the backwash water to the beginning of the treatment process, or incorporate the backwash water into the site in a manner that does not cause erosion. [Minn. R. 7090]
11.1	Inspections and Maintenance. [Minn. R. 7090]
11.2	Permittees must ensure a trained person, as identified in item 21.2.b, will inspect the entire construction site at least once every seven (7) days during active construction and within 24 hours after a rainfall event greater than 1/2 inch in 24 hours. [Minn. R. 7090]
11.3	Permittees must inspect and maintain all permanent stormwater treatment BMPs. [Minn. R. 7090]
11.4	Permittees must inspect all erosion prevention and sediment control BMPs and Pollution Prevention Management Measures to ensure integrity and effectiveness. Permittees must repair, replace or supplement all nonfunctional BMPs with functional BMPs by the end of the next business day after discovery unless another time frame is specified in item 11.5 or 11.6. Permittees may take additional time if field conditions prevent access to the area. [Minn. R. 7090]
11.5	During each inspection, permittees must inspect areas adjacent to the project, surface waters, including drainage ditches and conveyance systems but not curb and gutter systems, for evidence of erosion and sediment deposition. Permittees must remove all deltas and sediment deposited in areas adjacent to the project, surface waters, including drainage ways, catch basins, and other drainage systems and restabilize the areas where sediment removal results in exposed soil. Permittees must complete removal and stabilization within seven (7) calendar days of discovery unless precluded by legal, regulatory, or physical access constraints. Permittees must use all reasonable efforts to obtain access. If precluded, removal and stabilization must take place within seven (7) days of obtaining access. Permittees are responsible for contacting all local, regional, state and federal authorities and receiving any applicable permits, prior to conducting any work in surface waters. [Minn. R. 7090]
11.6	Permittees must inspect construction site vehicle exit locations, streets and curb and gutter systems within and adjacent to the project for sedimentation from erosion or tracked sediment from vehicles. Permittees must remove sediment from all paved surfaces within one (1) calendar day of discovery or, if applicable, within a shorter time to avoid a safety hazard to users of public streets. [Minn. R. 7090]
11.7	Permittees must repair, replace or supplement all perimeter control devices when they become nonfunctional or the sediment reaches 1/2 of the height of the device. [Minn. R. 7090]
11.8	Permittees must drain temporary and permanent sedimentation basins and remove the sediment when the depth of sediment collected in the basin reaches 1/2 the storage volume within 72 hours of discovery. [Minn. R. 7090]
11.9	Permittee's must inspect and photograph dewatering discharges at the beginning and at least once every 24 hours during operation. Dewatering discharges that only last for minutes, as opposed to hours, and do not reach a surface water, do not require photographs or documentation. [Minn. R. 7090]
11.10	Permittees must ensure that at least one individual present on the site (or available to the project site in three (3) calendar days) is trained in the job duties described in item 21.2.b. [Minn. R. 7090]
11.11	Permittees may adjust the inspection schedule described in item 11.2 as follows:
	 a. inspections of areas with permanent cover can be reduced to once per month, even if construction activity continues on other portions of the site; or b. where sites have permanent cover on all exposed soil and no construction activity is occurring anywhere on the site, inspections can be reduced to once per month and, after 12 months, may be suspended completely until construction
	activity resumes. The MPCA may require inspections to resume if conditions warrant; or c. where construction activity has been suspended due to frozen ground conditions, inspections may be suspended.

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Inspections must resume within 24 hours of runoff occurring, or upon resuming construction, whichever comes first. d. for projects where a pollinator habitat or native prairie type vegetated cover is being established, inspections may be reduced to once per month if the site has temporary vegetation with a density of 70% temporary uniform cover. If after 24 months no significant erosion problems are observed, inspections may be suspended completely until the termination requirements in section 13 have been met. [Minn. R. 7090]

- 11.12 Permittees must record all inspections and maintenance activities within 24 hours of being conducted and these records must be retained with the SWPPP. These records must include:
 - a. date and time of inspections; and
 - b. name of persons conducting inspections; and
 - c. accurate findings of inspections, including the specific location where corrective actions are needed; and
 - d. corrective actions taken (including dates, times, and party completing maintenance activities); and
 - e. date of all rainfall events greater than 1/2 inches in 24 hours, and the amount of rainfall for each event. Permittees must obtain rainfall amounts by either a properly maintained rain gauge installed on-site, a weather station that is within one (1) mile of your location, or a weather reporting system that provides site specific rainfall data from radar summaries; and f. if permittees observe a discharge during the inspection, they must record and should photograph and describe the location of the discharge (i.e., color, odor, settled or suspended solids, oil sheen, and other obvious indicators of pollutants); and
 - g. any amendments to the SWPPP proposed as a result of the inspection must be documented as required in Section 6 within seven (7) calendar days; and
 - h. all photographs of dewatering activities and documentation of nuisance conditions resulting from dewatering activities as described in section 10. [Minn. R. 7090]

12.1 | Pollution Prevention Management Measures. [Minn. R. 7090]

- 12.2 Permittees must place construction materials and landscape materials under cover (e.g., plastic sheeting or temporary roofs) or protect them by similarly effective means designed to minimize contact with stormwater. Permittees are not required to cover or protect products which are either not a source of contamination to stormwater or are designed to be exposed to stormwater. [Minn. R. 7090]
- 12.3 Permittees must place pesticides, fertilizers and treatment chemicals under cover (e.g., plastic sheeting or temporary roofs) or protect them by similarly effective means designed to minimize contact with stormwater. [Minn. R. 7090]
- 12.4 Permittees must store hazardous materials and toxic waste, (including oil, diesel fuel, gasoline, hydraulic fluids, paint solvents, petroleum-based products, wood preservatives, additives, curing compounds, and acids) in sealed containers to prevent spills, leaks or other discharge. Storage and disposal of hazardous waste materials must be in compliance with Minn. R. ch. 7045 including secondary containment as applicable. [Minn. R. 7090]
- 12.5 Permittees must properly store, collect and dispose solid waste in compliance with Minn. R. ch. 7035. [Minn. R. 7035]
- Permittees must position portable toilets so they are secure and will not tip or be knocked over. Permittees must properly dispose sanitary waste in accordance with Minn. R. ch. 7041. [Minn. R. 7041]
- Permittees must take reasonable steps to prevent the discharge of spilled or leaked chemicals, including fuel, from any area where chemicals or fuel will be loaded or unloaded including the use of drip pans or absorbents unless infeasible.

 Permittees must ensure adequate supplies are available at all times to clean up discharged materials and that an appropriate disposal method is available for recovered spilled materials. Permittees must report and clean up spills immediately as required by Minn. Stat. 115.061, using dry clean up measures where possible. [Minn. Stat. 115.061]
- Permittees must limit vehicle exterior washing and equipment to a defined area of the site. Permittees must contain runoff from the washing area in a sediment basin or other similarly effective controls and must dispose waste from the washing activity properly. Permittees must properly use and store soaps, detergents, or solvents. [Minn. R. 7090]
- 12.9 Permittees must provide effective containment for all liquid and solid wastes generated by washout operations (e.g., concrete, stucco, paint, form release oils, curing compounds and other construction materials) related to the construction activity. Permittees must prevent liquid and solid washout wastes from contacting the ground and must design the containment so it does not result in runoff from the washout operations or areas. Permittees must properly dispose liquid and solid wastes in compliance with MPCA rules. Permittees must install a sign indicating the location of the washout facility. [Minn. R. 7035, Minn. R. 7090]

13.1 **Permit Termination Conditions**. [Minn. R. 7090]

Permittees must complete all construction activity and must install permanent cover over all areas prior to submitting the NOT. Vegetative cover must consist of a uniform perennial vegetation with a density of 70 percent of its expected final

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	growth. Vegetation is not required where the function of a specific area dictates no vegetation, such as impervious surfaces or the base of a sand filter. [Minn. R. 7090]
13.3	Permittees must clean the permanent stormwater treatment system of any accumulated sediment and must ensure the system meets all applicable requirements in Section 15 through 19 and is operating as designed. [Minn. R. 7090]
13.4	Permittees must remove all sediment from conveyance systems prior to submitting the NOT. [Minn. R. 7090]
13.5	Permittees must remove all temporary synthetic erosion prevention and sediment control BMPs prior to submitting the NOT. Permittees may leave BMPs designed to decompose on-site in place. [Minn. R. 7090]
13.6	For residential construction only, permit coverage terminates on individual lots if the lot is sold to the homeowner, structures are finished, and permanent cover has been established. For lots that are sold to the homeowner where permanent cover has not been established, coverage terminates if temporary erosion prevention and downgradient perimeter control is properly installed and the permittee distributes the MPCA's "Homeowner Fact Sheet" to the homeowner. [Minn. R. 7090]
13.7	For construction projects on agricultural land (e.g., pipelines across cropland), permittees must return the disturbed land to its preconstruction agricultural use prior to submitting the NOT. [Minn. R. 7090]
13.8	When submitting the NOT, Permittees must include either ground or aerial photographs showing the requirements of 13.2 have been met. Permittees are not required to take photographs of every distinct part of the site, however the conditions portrayed must be substantially similar to those areas that are not photographed. Photographs must be clear and in focus and must include the date the photo was taken. [Minn. R. 7090]
14.1	Temporary Sediment Basins. [Minn. R. 7090]
14.2	Where ten (10) or more acres of disturbed soil (5 acres for sites discharging to special or impaired waters, see section 24) drain to a common location, permittees must provide a temporary sediment basin to provide treatment of the runoff before it leaves the construction site or enters surface waters. Permittees may convert a temporary sediment basin to a permanent basin after construction is complete. The temporary basin is no longer required when permanent cover has reduced the acreage of disturbed soil to less than ten (10) acres draining to a common location. [Minn. R. 7090]
14.3	The temporary basin must provide live storage for a calculated volume of runoff from a two (2)-year, 24-hour storm from each acre drained to the basin or 1,800 cubic feet of live storage per acre drained, whichever is greater. [Minn. R. 7090]
14.4	Where permittees have not calculated the two (2)-year, 24-hour storm runoff amount, the temporary basin must provide 3,600 cubic feet of live storage per acre of the basins' drainage area. [Minn. R. 7090]
14.5	Permittees must design basin outlets to prevent short-circuiting and the discharge of floating debris. [Minn. R. 7090]
14.6	Permittees must design the outlet structure to withdraw water from the surface to minimize the discharge of pollutants. Permittees may temporarily suspend the use of a surface withdrawal mechanism during frozen conditions. The basin must include a stabilized emergency overflow to prevent failure of pond integrity. [Minn. R. 7090]
14.7	Permittees must provide energy dissipation for the basin outlet within 24 hours after connection to a surface water. [Minn. R. 7090]
14.8	Permittees must locate temporary basins outside of surface waters and any buffer zone required in item 23.11. [Minn. R. 7090]
14.9	Permittees must construct the temporary basins prior to disturbing 10 or more acres of soil draining to a common location. [Minn. R. 7090]
14.10	Where a temporary sediment basin meeting the requirements of item 14.3 through 14.9 is infeasible, permittees must install effective sediment controls such as smaller sediment basins and/or sediment traps, silt fences, vegetative buffer strips or any appropriate combination of measures as dictated by individual site conditions. In determining whether installing a sediment basin is infeasible, permittees must consider public safety and may consider factors such as site soils, slope, and available area on-site. Permittees must document this determination of infeasibility in the SWPPP. [Minn. R. 7090]
15.1	Permanent Stormwater Treatment System. [Minn. R. 7090]
15.2	Permittees must design and implement the project so all stormwater discharged from the project during and after construction activities does not cause a violation of state water quality standards, including nuisance conditions, erosion in receiving channels or on downslope properties, or a significant adverse impact to wetlands caused by inundation or decrease of flow. [Minn. R. 7090]
15.3	Permittees must design and construct a permanent stormwater treatment system to treat the water quality volume if the project's ultimate development replaces vegetation and/or other pervious surfaces creating a net increase of one (1) or

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	more acres of cumulative impervious surface. [Minn. R. 7090]
15.4	Permittees must calculate the water quality volume as one (1) inch times the net increase of impervious surfaces created by the project. [Minn. R. 7090]
15.5	Permittees must first consider volume reduction practices on-site (e.g., infiltration or other) when designing the permanent stormwater treatment system. If this permit prohibits infiltration as described in item 16.14 through item 16.21, permittees may consider a wet sedimentation basin, filtration basin or regional pond. This permit does not consider wet sedimentation basins and filtration systems to be volume reduction practices. [Minn. R. 7090]
15.6	For projects where the full volume reduction requirement cannot be met on-site, (e.g., the site has infiltration prohibitions), permittees must document the reasons in the SWPPP. [Minn. R. 7090]
15.7	Permittees must discharge the water quality volume to a permanent stormwater treatment system prior to discharge to a surface water. For purposes of this item, surface waters do not include man-made drainage systems that convey stormwater to a permanent stormwater treatment system. [Minn. R. 7090]
15.8	Where the proximity to bedrock precludes the installation of any of the permanent stormwater treatment practices required by Sections 15 through 19, permittees must install other treatment such as grassed swales, smaller ponds, or grit chambers, prior to the discharge of stormwater to surface waters. [Minn. R. 7090]
15.9	For linear projects where permittees cannot treat the entire water quality volume within the existing right-of-way, permittees must make a reasonable attempt to obtain additional right-of-way, easement or other permission for stormwater treatment during the project planning process. Documentation of these attempts must be in the SWPPP. Permittees must still consider volume reduction practices first as described in item 15.5. If permittees cannot obtain additional right-of-way, easement or other permission, they must maximize the treatment of the water quality volume prior to discharge to surface waters. [Minn. R. 7090]
16.1	Infiltration Systems. [Minn. R. 7090]
16.2	Infiltration options include, but are not limited to: infiltration basins, infiltration trenches, rainwater gardens, bioretention areas without underdrains, swales with impermeable check dams, and natural depressions. If permittees utilize an infiltration system to meet the requirements of this permit, they must incorporate the design parameters in item 16.3 through item 16.21. Permittees must follow the infiltration prohibition in item 16.14 anytime an infiltration system is designed, including those not required by this permit. [Minn. R. 7090]
16.3	Permittees must design infiltration systems such that pre-existing hydrologic conditions of wetlands in the vicinity are not impacted (e.g., inundation or breaching a perched water table supporting a wetland). [Minn. R. 7090]
16.4	Permittees must not excavate infiltration systems to final grade, or within three (3) feet of final grade, until the contributing drainage area has been constructed and fully stabilized unless they provide rigorous erosion prevention and sediment controls (e.g., diversion berms) to keep sediment and runoff completely away from the infiltration area. [Minn. R. 7090]
16.5	When excavating an infiltration system to within three (3) feet of final grade, permittees must stake off and mark the area so heavy construction vehicles or equipment do not compact the soil in the infiltration area. [Minn. R. 7090]
16.6	Permittees must use a pretreatment device such as a vegetated filter strip, forebay, or water quality inlet (e.g., grit chamber) to remove solids, floating materials, and oil and grease from the runoff, to the maximum extent practicable, before the system routes stormwater to the infiltration system. [Minn. R. 7090]
16.7	Permittees must design infiltration systems to provide a water quality volume (calculated as an instantaneous volume) of one (1) inch of runoff, or one (1) inch minus the volume of stormwater treated by another system on the site, from the net increase of impervious surfaces created by the project. [Minn. R. 7090]
16.8	Permittees must design the infiltration system to discharge all stormwater (including stormwater in excess of the water quality volume) routed to the system through the uppermost soil surface or engineered media surface within 48 hours. Permittees must route additional flows that cannot infiltrate within 48 hours to bypass the system through a stabilized discharge point. [Minn. R. 7090]
16.9	Permittees must provide a means to visually verify the infiltration system is discharging through the soil surface or filter media surface within 48 hours or less. [Minn. R. 7090]
16.10	Permittees must provide at least one soil boring, test pit or infiltrometer test in the location of the infiltration practice for determining infiltration rates. [Minn. R. 7090]
16.11	For design purposes, permittees must divide field measured infiltration rates by 2 as a safety factor or permittees can use soil-boring results with the infiltration rate chart in the Minnesota Stormwater Manual to determine design infiltration rates. When soil borings indicate type A soils, permittees should perform field measurements to verify the rate is not above

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	8.3 inches per hour. This permit prohibits infiltration if the field measured infiltration rate is above 8.3 inches per hour. [Minn. R. 7090]
16.12	Permittees must employ appropriate on-site testing to ensure a minimum of three (3) feet of separation from the seasonally saturated soils (or from bedrock) and the bottom of the proposed infiltration system. [Minn. R. 7090]
16.13	Permittees must design a maintenance access, typically eight (8) feet wide, for the infiltration system. [Minn. R. 7090]
16.14	This permit prohibits permittees from constructing infiltration systems that receive runoff from vehicle fueling and maintenance areas including construction of infiltration systems not required by this permit. [Minn. R. 7090]
16.15	This permit prohibits permittees from constructing infiltration systems where infiltrating stormwater may mobilize high levels of contaminants in soil or groundwater. Permittees must either complete the MPCA's contamination screening checklist or conduct their own assessment to determine the suitability for infiltration. Permittees must retain the checklist or assessment with the SWPPP.
	For more information and to access the MPCA's "contamination screening checklist" see the Minnesota Stormwater Manual. [Minn. R. 7090]
16.16	This permit prohibits permittees from constructing infiltration systems in areas where soil infiltration rates are field measured at more than 8.3 inches per hour unless they amend soils to slow the infiltration rate below 8.3 inches per hour. [Minn. R. 7090]
16.17	This permit prohibits permittees from constructing infiltration systems in areas with less than three (3) feet of separation distance from the bottom of the infiltration system to the elevation of the seasonally saturated soils or the top of bedrock. [Minn. R. 7090]
16.18	This permit prohibits permittees from constructing infiltration systems in areas of predominately Hydrologic Soil Group type D soils (clay). [Minn. R. 7090]
16.19	This permit prohibits permittees from constructing infiltration systems within a Drinking Water Supply Management Area (DWSMA) as defined in Minn. R. 4720.5100, subp. 13, if the system will be located:
	a. in an Emergency Response Area (ERA) within a DWSMA classified as having high or very high vulnerability as defined by the Minnesota Department of Health; or b. in an ERA within a DWSMA classified as moderate vulnerability unless a regulated MS4 Permittee performed or approved a higher level of engineering review sufficient to provide a functioning treatment system and to prevent adverse impacts to groundwater; or
	c. outside of an ERA within a DWSMA classified as having high or very high vulnerability, unless a regulated MS4 Permittee performed or approved a higher level of engineering review sufficient to provide a functioning treatment system and to prevent adverse impacts to groundwater.
	See "higher level of engineering review" in the Minnesota Stormwater Manual for more information. [Minn. R. 7090]
16.20	This permit prohibits permittees from constructing infiltration systems in areas within 1,000 feet upgradient or 100 feet downgradient of active karst features. [Minn. R. 7090]
16.21	This permit prohibits permittees from constructing infiltration systems in areas that receive runoff from the following industrial facilities not authorized to infiltrate stormwater under the NPDES stormwater permit for industrial activities: wood preserving facilities; automobile salvage yards; scrap recycling and waste recycling facilities; hazardous waste treatment, storage, or disposal facilities; or air transportation facilities that conduct deicing activities. [Minn. R. 7090]
17.1	Filtration Systems. [Minn. R. 7090]
17.2	Filtration options include but are not limited to: sand filters with underdrains, biofiltration areas, swales using underdrains with impermeable check dams and underground sand filters. If permittees utilize a filtration system to meet the permanent stormwater treatment requirements of this permit, they must comply with items 17.3 through 17.11. [Minn. R. 7090]
17.3	Permittees must not install filter media until they construct and fully stabilize the contributing drainage area unless they provide rigorous erosion prevention and sediment controls (e.g., diversion berms) to keep sediment and runoff completely away from the filtration area. [Minn. R. 7090]
17.4	Permittees must design filtration systems to remove at least 80 percent of TSS. [Minn. R. 7090]
17.5	Permittees must use a pretreatment device such as a vegetated filter strip, small sedimentation basin, water quality inlet, forebay or hydrodynamic separator to remove settleable solids, floating materials, and oils and grease from the runoff, to the maximum extent practicable, before runoff enters the filtration system. [Minn. R. 7090]

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17.6	Permittees must design filtration systems to treat a water quality volume (calculated as an instantaneous volume) of one (1) inch of runoff, or one (1) inch minus the volume of stormwater treated by another system on the site, from the net increase
	of impervious surfaces created by the project. [Minn. R. 7090]
17.7	Permittees must design the filtration system to discharge all stormwater (including stormwater in excess of the water
	quality volume) routed to the system through the uppermost soil surface or engineered media surface within 48 hours.
	Additional flows that the system cannot filter within 48 hours must bypass the system or discharge through an emergency overflow. [Minn. R. 7090]
17.8	Permittees must design the filtration system to provide a means to visually verify the system is discharging through the soil
	surface or filter media within 48 hours. [Minn. R. 7090]
17.9	Permittees must employ appropriate on-site testing to ensure a minimum of three (3) feet of separation between the
	seasonally saturated soils (or from bedrock) and the bottom of the proposed filtration system. [Minn. R. 7090]
17.10	Permittees must ensure that filtration systems with less than three (3) feet of separation between seasonally saturated soils or from bedrock are constructed with an impermeable liner. [Minn. R. 7090]
17.11	The permittees must design a maintenance access, typically eight (8) feet wide, for the filtration system. [Minn. R. 7090]
18.1	Wet Sedimentation Basin. [Minn. R. 7090]
18.2	Permittees using a wet sedimentation basin to meet the permanent stormwater treatment requirements of this permit must incorporate the design parameters in item 18.3 through 18.10. [Minn. R. 7090]
18.3	Permittees must design the basin to have a permanent volume of 1,800 cubic feet of storage below the outlet pipe for each
	acre that drains to the basin. The basin's permanent volume must reach a minimum depth of at least three (3) feet and
	must have no depth greater than 10 feet. Permittees must configure the basin to minimize scour or resuspension of solids. [Minn. R. 7090]
18.4	Permittees must design the basin to provide live storage for a water quality volume (calculated as an instantaneous volume)
10.4	of one (1) inch of runoff, or one (1) inch minus the volume of stormwater treated by another system on the site, from the
	net increase in impervious surfaces created by the project. [Minn. R. 7090]
18.5	Permittees must design basin outlets so the water quality volume discharges at no more than 5.66 cubic feet per second
	(cfs) per acre of surface area of the basin. [Minn. R. 7090]
18.6	Permittees must design basin outlets to prevent short-circuiting and the discharge of floating debris. Basin outlets must have energy dissipation. [Minn. R. 7090]
18.7	Permittees must design the basin to include a stabilized emergency overflow to accommodate storm events in excess of the basin's hydraulic design. [Minn. R. 7090]
18.8	Permittees must design a maintenance access, typically eight (8) feet wide, for the basin. [Minn. R. 7090]
18.9	Permittees must locate basins outside of surface waters and any buffer zone required in item 23.11. Permittees must design
	basins to avoid draining water from wetlands unless the impact to the wetland complies with the requirements of Section 22. [Minn. R. 7090]
18.10	Permittees must design basins using an impermeable liner if located within active karst terrain. [Minn. R. 7090]
19.1	Regional Wet Sedimentation Basins. [Minn. R. 7090]
19.2	When the entire water quality volume cannot be treated by volume reduction practices on-site, permittees can use or
	create regional wet sedimentation basins provided they are constructed basins, not a natural wetland or water body,
	(wetlands used as regional basins must be mitigated for, see Section 22). The owner must ensure the regional basin conforms to all requirements for a wet sedimentation basin as described in items 18.3 through 18.10 and must be large
	enough to account for the entire area that drains to the regional basin. Permittees must verify that the regional basin will
	discharge at no more than 5.66 cfs per acre of surface area of the basin and must provide a live storage volume of one-inch
	times all the impervious area draining to the basin. Permittees cannot significantly degrade waterways between the project
	and the regional basin. The owner must obtain written authorization from the applicable LGU or private entity that owns and maintains the regional basin. [Minn. R. 7090]
20.1	SWPPP Availability. [Minn. R. 7090]
20.2	Permittees must keep the SWPPP on-site, or electronically available on-site, during normal working hours with personnel
	who have operational control over the applicable portion of the site, including all changes to the SWPPP, inspections, and maintenance records. [Minn. R. 7090]
21.1	Training Requirements. [Minn. R. 7090]

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21.2 Permittees must ensure all of the following individuals receive training and the content and extent of the training is commensurate with the individual's job duties and responsibilities with regard to activities covered under this permit: a. Individuals preparing the SWPPP for the project. b. Individuals overseeing implementation of, revising and/or amending the SWPPP and individuals performing inspections for the project. One of these individuals must be available for an on-site inspection within 72 hours upon request by the MPCA. c. Individuals performing or supervising the installation, maintenance and repair of BMPs. [Minn. R. 7090] 21.3 Permittees must ensure individuals identified in Section 21 receive training from local, state, federal agencies, professional organizations, or other entities with expertise in erosion prevention, sediment control, permanent stormwater treatment and the Minnesota NPDES/SDS Construction Stormwater permit. Permittees must ensure these individuals attend a refresher-training course every three (3) years. [Minn. R. 7090] **Requirements for Discharges to Wetlands.** [Minn. R. 7050.0186] 22.1 22.2 If the project has any discharges with the potential for significant adverse impacts to a wetland, (e.g., conversion of a natural wetland to a stormwater pond) permittees must demonstrate that the wetland mitigative sequence has been followed in accordance with items 22.3 or 22.4. [Minn. R. 7050.0186] 22.3 If the potential adverse impacts to a wetland on a specific project site are addressed by permits or other approvals from an official statewide program (U.S. Army Corps of Engineers 404 program, Minnesota Department of Natural Resources, or the State of Minnesota Wetland Conservation Act) that are issued specifically for the project and project site, permittees may use the permit, decision or other determination issued by these agencies to show the potential adverse impacts are addressed. For purposes of this permit, deminimus actions are determinations by the permitting agency that address the project impacts, whereas a non-jurisdictional determination does not address project impacts. [Minn. R. 7090] 22.4 If there are impacts from the project not addressed in one of the permits, decisions or other determinations discussed in item 22.3 (e.g., permanent inundation or flooding of the wetland, significant degradation of water quality, excavation, filling, draining), permittees must minimize all adverse impacts to wetlands by utilizing appropriate measures. Permittees must use measures based on the nature of the wetland, its vegetative community types and the established hydrology. These measures include in order of preference: a. avoid all significant adverse impacts to wetlands from the project and post-project discharge; b. minimize any unavoidable impacts from the project and post-project discharge; c. provide compensatory mitigation when the permittees determine(s) that there is no reasonable and practicable alternative to having a significant adverse impact on a wetland. For compensatory mitigation, wetland restoration or creation must be of the same type, size and whenever reasonable and practicable in the same watershed as the impacted wetland. [Minn. R. 7050.0186] 23.1 Additional Requirements for Discharges to Special (Prohibited, Restricted, Other) and Impaired Waters. [Minn. R. 7090] 23.2 The BMPs identified for each special or impaired water are required for those areas of the project draining to a discharge point on the project that is within one mile (aerial radius measurement) of special or impaired water and flows to that special or impaired water. [Minn. R. 7090] 23.3 Discharges to the following special waters identified as Prohibited in Minn. R. 7050.0335 subp. 3 must incorporate the BMPs outlined in items 23.9, 23.10, 23.11, 23.13 and 23.14: a. Boundary Waters Canoe Area Wilderness; Voyageurs National Park; Kettle River from the site of the former dam at Sandstone to its confluence with the Saint Croix River; Rum River from Ogechie Lake spillway to the northernmost confluence with Lake Onamia. b. Those portions of Lake Superior North of latitude 47 degrees, 57 minutes, 13 seconds, East of Hat Point, South of the Minnesota-Ontario boundary, and West of the Minnesota-Michigan boundary; c. Scientific and Natural Areas identified as in Minn. R. 7050.0335 Subp. 3: Boot Lake, Anoka County; Kettle River in sections 15, 22, 23, T 41 N, R 20, Pine County; Pennington Bog, Beltrami County; Purvis Lake-Ober Foundation, Saint Louis County; waters within the borders of Itasca Wilderness Sanctuary, Clearwater County; Iron Springs Bog, Clearwater County; Wolsfeld Woods, Hennepin County; Green Water Lake, Becker County; Blackdog Preserve, Dakota County; Prairie Bush Clover, Jackson County; Black Lake Bog, Pine County; Pembina Trail Preserve, Polk County; and Falls Creek, Washington County. [Minn. R. 7050.0335, subp. 3] 23.4 Discharges to the following special waters identified as Restricted in Minn. R. 7050.0335 subp.1 must incorporate the BMPs

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outlined in items 23.9, 23.10 and 23.11:

- a. Lake Superior, except those portions identified as prohibited in item 23.3.b;
- b. Mississippi River in those portions from Lake Itasca to the southerly boundary of Morrison County that are included in the Mississippi Headwaters Board comprehensive plan dated February 12, 1981;
- c. Scenic or Recreational River Segments: Saint Croix River, entire length; Cannon River from northern city limits of Faribault to its confluence with the Mississippi River; North Fork of the Crow River from Lake Koronis outlet to the Meeker-Wright county line; Kettle River from north Pine County line to the site of the former dam at Sandstone; Minnesota River from Lac que Parle dam to Redwood County State Aid Highway 11; Mississippi River from County State Aid Highway 7 bridge in Saint Cloud to northwestern city limits of Anoka; and Rum River from State Highway 27 bridge in Onamia to Madison and Rice streets in Anoka;
- d. Lake Trout Lakes identified in Minn. R. 7050.0335 including lake trout lakes inside the boundaries of the Boundary Waters Canoe Area Wilderness and Voyageurs National Park;
- e. Calcareous Fens listed in Minn. R. 7050.0335, subp. 1. [Minn. R. 7050.0335, subp. 1]
- Discharges to the Trout Lakes (other special water) identified in Minn. R. 6264.0050, subp. 2 and Minn. R. 7050.0420 must incorporate the BMPs outlined in items 23.9, 23.10 and 23.11. [Minn. R. 6264.0050, subp. 2, Minn. R. 7050]
- Discharges to the Trout Streams (other special water) listed in Minn. R. 6264.0050, subp. 4 and Minn. R. 7050.0420 must incorporate the BMPs outlined in items 23.9, 23.10, 23.11 and 23.12. [Minn. R. 6264.0050, subp. 4, Minn. R. 7050]
- Discharges to impaired waters or a water with an USEPA approved TMDL for any of the impairments listed in this item must incorporate the BMPs outlined in items 23.9 and 23.10. Impaired waters are waters identified as impaired under section 303 (d) of the federal Clean Water Act for phosphorus (nutrient eutrophication biological indicators, nutrients), turbidity, TSS, dissolved oxygen or aquatic biota (fish bioassessment, aquatic plant bioassessment and aquatic macroinvertebrate bioassessment, benthic macroinvertebrate bioassessment). Terms used for the pollutants or stressors in this item are subject to change. [Minn. R. 7090]
- 23.8 Where the additional BMPs in this Section conflict with requirements elsewhere in this permit, items 23.9 through 23.14 take precedence. [Minn. R. 7090]
- Permittees must immediately initiate stabilization of exposed soil areas, as described in item 8.5 & 8.8, and complete the stabilization within seven (7) calendar days after the construction activity in that portion of the site temporarily or permanently ceases. [Minn. R. 7090]
- 23.10 Permittees must provide a temporary sediment basin as described in Section 14 for common drainage locations that serve an area with five (5) or more acres disturbed at one time. [Minn. R. 7090]
- 23.11 Permittees must include an undisturbed buffer zone of not less than 100 linear feet from a special water (not including tributaries) and must maintain this buffer zone at all times, both during construction and as a permanent feature post construction, except where a water crossing or other encroachment is necessary to complete the project. Permittees must fully document the circumstance and reasons the buffer encroachment is necessary in the SWPPP and include restoration activities. This permit allows replacement of existing impervious surface within the buffer. Permittees must minimize all potential water quality, scenic and other environmental impacts of these exceptions by the use of additional or redundant (double) BMPs and must document this in the SWPPP for the project. [Minn. R. 7090]
- Permittees must design the permanent stormwater treatment system so the discharge from the project minimizes any increase in the temperature of trout streams resulting from the one (1) and two (2) year 24-hour precipitation events. This includes all tributaries of designated trout streams located within the same Public Land Survey System (PLSS) Section. Permittees must incorporate one or more of the following measures, in order of preference:
 - a. Provide stormwater infiltration or other volume reduction practices as described in item 15.4 and 15.5, to reduce runoff. Infiltration systems must discharge all stormwater routed to the system within 24 hours.
 - b. Provide stormwater filtration as described in Section 17. Filtration systems must discharge all stormwater routed to the system within 24 hours.
 - c. Minimize the discharge from connected impervious surfaces by discharging to vegetated areas, or grass swales, and through the use of other non-structural controls.
 - d. If ponding is used, the design must include an appropriate combination of measures such as shading, vegetated swale discharges or constructed wetland treatment cells that limit temperature increases. The pond must be designed as a dry pond and should draw down in 24 hours or less.
 - e. Other methods that minimize any increase in the temperature of the trout stream. [Minn. R. 7090]

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23.13	Permittees must conduct routine site inspections once every three (3) days as described in item 11.2 for projects that discharge to prohibited waters. [Minn. R. 7090]
23.14	If discharges to prohibited waters cannot provide volume reduction equal to one (1) inch times the net increase of impervious surfaces as required in item 15.4 and 15.5, permittees must develop a permanent stormwater treatment system design that will result in no net increase of TSS or phosphorus to the prohibited water. Permittees must keep the plan in the SWPPP for the project. [Minn. R. 7090]
24.1	General Provisions. [Minn. R. 7090]
24.2	If the MPCA determines that an individual permit would more appropriately regulate the construction activity, the MPCA may require an individual permit to continue the construction activity. Coverage under this general permit will remain in effect until the MPCA issues an individual permit. [Minn. R. 7001.0210, subp. 6]
24.3	If the permittee cannot meet the terms and conditions of this general permit, an owner may request an individual permit, in accordance with Minn. R. 7001.0210 subp. 6. [Minn. R. 7001.0210, subp. 6]
24.4	Any interested person may petition the MPCA to require an individual NPDES/SDS permit in accordance with 40 CFR 122.28(b)(3). [40 CFR 122.28(b)(3)]
24.5	In addition to the requirement found in section 20, permittees must make the SWPPP, including all inspection reports, maintenance records, training records and other information required by this permit, available to federal, state, and local officials within three (3) days upon request for the duration of the permit and for three (3) years following the NOT. [Minn. R. 7090]
24.6	Permittees may not assign or transfer this permit except when the transfer occurs in accordance with the applicable requirements of item 3.7 and 3.8. [Minn. R. 7090]
24.7	Nothing in this permit must be construed to relieve the permittees from civil or criminal penalties for noncompliance with the terms and conditions provided herein. Nothing in this permit must be construed to preclude the initiation of any legal action or relieve the permittees from any responsibilities, liabilities, or penalties to which the permittees is/are or may be subject to under Section 311 of the Clean Water Act and Minn. Stat. Section 115 and 116, as amended. Permittees are not liable for permit requirements for activities occurring on those portions of a site where the permit has been transferred to another party as required in item 3.7 or the permittees have submitted the NOT as required in Section 4. [Minn. R. 7090]
24.8	The provisions of this permit are severable. If any provision of this permit or the application of any provision of this permit to any circumstances is held invalid, the application of such provision to other circumstances, and the remainder of this permit must not be affected thereby. [Minn. R. 7090]
24.9	The permittees must comply with the provisions of Minn. R. 7001.0150, subp. 3 and Minn. R. 7001.1090, subp. 1(A), 1(B), 1(C), 1(H), 1(I), 1(J), 1(K), and 1(L). [Minn. R. 7001]
24.10	The permittees must allow access as provided in 40 CFR 122.41(i) and Minn. Stat. Section 115.04. The permittees must allow representatives of the MPCA or any member, employee or agent thereof, when authorized by it, upon presentation of credentials, to enter upon any property, public or private, for the purpose of obtaining information or examination of records or conducting surveys or investigations. [40 CFR 122.41(i)]
24.11	For the purposes of Minn. R. 7090 and other documents that reference specific sections of this permit, "Stormwater Discharge Design Requirements" corresponds to Sections 5, 6 and 14 through 21; "Construction Activity Requirements" corresponds to Sections 7 through 13; and "Appendix A" corresponds to Sections 22 and 23. [Minn. R. 7090]
25.1	Definitions. [Minn. R. 7090]
25.2	"Active karst" means a terrain having distinctive landforms and hydrology created primarily from the dissolution of soluble rocks within 50 feet of the land surface. [Minn. R. 7090]
25.3	"Aerial radius measurement" means the shortest straight line distance measurement between the point of stormwater discharge from a project construction site to the nearest edge of the water body receiving the stormwater. This measurement does not follow the meander flow path. [Minn. R. 7090]
25.4	"Best Management Practices (BMPs)" means the most effective and practicable means of erosion prevention and sediment control, and water quality management practices that are the most effective and practicable means of to control, prevent, and minimize degradation of surface water, including avoidance of impacts, construction-phasing, minimizing the length of time soil areas are exposed, prohibitions, pollution prevention through good housekeeping, and other management practices published by state or designated area-wide planning agencies. [Minn. R. 7090]
25.5	"Common Plan of Development or Sale" means one proposed plan for a contiguous area where multiple separate and distinct land-disturbing activities may be taking place at different times, on different schedules, but under one proposed

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plan. One plan is broadly defined to include design, permit application, advertisement or physical demarcation indicating that land-disturbing activities may occur. [Minn. R. 7090] 25.6 "Construction Activity" means activities including clearing, grading, and excavating, that result in land disturbance of equal to or greater than one acre, including the disturbance of less than one acre of total land area that is part of a larger common plan of development or sale if the larger common plan will ultimately disturb equal to or greater than one acre. This includes a disturbance to the land that results in a change in the topography, existing soil cover, both vegetative and nonvegetative, or the existing soil topography that may result in accelerated stormwater runoff that may lead to soil erosion and movement of sediment. Construction activity does not include a disturbance to the land of less than five acres for the purpose of routine maintenance performed to maintain the original line and grade, hydraulic capacity, and original purpose of the facility. Routine maintenance does not include activities such as repairs, replacement and other types of non-routine maintenance. Pavement rehabilitation that does not disturb the underlying soils (e.g., mill and overlay projects) is not construction activity. [Minn. R. 7090] 25.7 "Dewatering" means the removal of surface or ground water to dry and/or solidify a construction site to enable construction activity. Dewatering may require a Minnesota Department of Natural Resources water appropriation permit and, if dewatering water is contaminated, discharge of such water may require an individual MPCA NPDES/SDS permit. [Minn. R. 7090] 25.8 "Energy Dissipation" means methods employed at pipe outlets to prevent erosion caused by the rapid discharge of water scouring soils. [Minn. R. 7090] 25.9 "Erosion Prevention" means measures employed to prevent erosion such as soil stabilization practices, permanent cover or construction phasing. [Minn. R. 7090] "General Contractor" means the party who signs the construction contract with the owner to construct the entire project 25.10 described in the final plans and specifications. Where the construction project involves more than one contractor, the general contractor is the party responsible for managing the entire project on behalf of the owner. In some cases, the owner is the general contractor. In these cases, the owner signs the permit application as the operator and becomes the sole permittee. [Minn. R. 7090] 25.11 "Groundwater" means the water contained below the surface of the earth in the saturated zone including, without limitation, all waters whether under confined, unconfined, or perched conditions, in near surface unconsolidated sediment or regolith, or in rock formations deeper underground. [Minn. R. 7060] 25.12 "Homeowner Fact Sheet" means an MPCA fact sheet available on the MPCA Construction Stormwater website for permittees to give to homeowners at the time of sale. [Minn. R. 7090] 25.13 "Infeasible" means not technologically possible or not economically practicable and achievable in light of the best industry practices. [Minn. R. 7090] 25.14 "Initiated immediately" means taking an action to commence soil stabilization as soon as practicable, but no later than the end of the workday, following the day when the land-disturbing activities temporarily or permanently cease, if the permittees know that construction work on that portion of the site will be temporarily ceased for 14 or more additional calendar days or 7 calendar days where item 23.9 applies. Permittees can initiate stabilization by: a. prepping the soil for vegetative or non-vegetative stabilization; or b. applying mulch or other non-vegetative product to the exposed soil area; or c. seeding or planting the exposed area; or d. starting any of the activities in a - c on a portion of the area to be stabilized, but not on the entire area; or e. finalizing arrangements to have stabilization product fully installed in compliance with the applicable deadline for completing stabilization. [Minn. R. 7090] "Impervious Surface" means a constructed hard surface that either prevents or retards the entry of water into the soil and 25.15 causes water to run off the surface in greater quantities and at an increased rate of flow than prior to development. Examples include rooftops, driveways, parking lots, and concrete, asphalt, or gravel roads. Bridges over surface waters are considered impervious surfaces. Recreational trails that are distinctly set apart from a roadway (i.e. not parallel) and intended for non-motorized recreational uses are not considered impervious surfaces. Sidewalks that are parallel to a roadway (or generally following alongside a roadway) must still be included as impervious surfaces. [Minn. R. 7090] 25.16 "National Pollutant Discharge Elimination System (NPDES)" means the program for issuing, modifying, revoking, reissuing, terminating, monitoring, and enforcing permits under the Clean Water Act, as amended (33 U.S.C. 1251 et seq. Section 1342 and 40 CFR parts 122, 123, 124 and 450). [Minn. R. 7001.1020]

25.17 | "Natural Buffer" means an area of undisturbed cover surrounding surface waters within which construction activities are

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	restricted. Natural buffer includes the vegetation, exposed rock, or barren ground that exists prior to commencement of earth-disturbing activities. [Minn. R. 7090]
25.18	"Normal Wetted Perimeter" means the area of a conveyance, such as a ditch or channel, that is in contact with water during flow events that are expected to occur from a two-year, 24-hour storm event. [Minn. R. 7090]
25.19	"Notice of Termination (NOT)" means the form (electronic or paper) required for terminating coverage under the Construction General permit. [Minn. R. 7090]
25.20	"Operator" means the person (usually the general contractor), firm, governmental agency, or other entity designated by the owner who has day to day operational control and/or the ability to modify project plans and specifications related to the SWPPP. The permit application must list the operator as a permittee. Subcontractors hired by and under supervision of the general contractor are not operators. [Minn. R. 7090]
25.21	"Owner" means the person, firm, governmental agency, or other entity possessing the title of the land on which the construction activities will occur or, if the construction activity is for a lease, easement, or mineral rights license holder, the party or individual identified as the lease, easement or mineral rights license holder; or the contracting government agency responsible for the construction activity. [Minn. R. 7090]
25.22	"Permanent Cover" means surface types that will prevent soil failure under erosive conditions. Examples include: gravel, concrete, perennial cover, or other landscaped material that will permanently arrest soil erosion. Permittees must establish a uniform perennial vegetative cover (i.e., evenly distributed, without large bare areas) with a density of 70 percent of the vegetative cover native to local undisturbed areas on all areas not covered by permanent structures, or equivalent permanent stabilization measures. Permanent cover does not include temporary BMPs such as wood fiber blanket, mulch, and rolled erosion control products. [Minn. R. 7090]
25.23	"Permittee(s)" means the person(s), firm, governmental agency, or other entity identified as the owner and operator on the application submitted to the MPCA and are responsible for compliance with the terms and conditions of this permit. [Minn. R. 7090]
25.24	"Project(s)" means all construction activity planned and/or conducted under a particular permit. The project occurs on the site or sites described in the permit application, the SWPPP and in the associated plans, specifications and contract documents. [Minn. R. 7090]
25.25	"Public Waters" means all water basins and watercourses described in Minn. Stat. Section 103G.005 subd. 15. [Minn. Stat. 103G.005, subd.15]
25.26	"Redoximorphic Features" means a color pattern in soil, formed by oxidation and reduction process of iron and/or manganese in seasonally saturated soil. [Minn. R. 7090]
25.27	"Section" includes all item numbers of the same whole number. For example, "Section 3" of the permit refers to items 3.1 through 3.8. [Minn. R. 7090]
25.28	"Seasonally Saturated Soil" means the highest seasonal elevation in the soil in a reduced chemical state because of soil voids filled with water causing anaerobic conditions. Seasonally saturated soil is evidenced by the presence of redoximorphic features or other information determined by scientifically established methods or empirical field measurements. [Minn. R. 7090]
25.29	"Sediment Control" means methods employed to prevent suspended sediment in stormwater from leaving the site (e.g. silt fences, compost logs and storm drain inlet protection). [Minn. R. 7090]
25.30	"Stabilize", "Stabilized", "Stabilization" means the exposed ground surface has been covered by appropriate materials such as mulch, staked sod, riprap, erosion control blanket, mats or other material that prevents erosion from occurring. Grass seeding, agricultural crop seeding or other seeding alone is not stabilization. Mulch materials must achieve approximately 90 percent ground coverage (typically 2 ton/acre). [Minn. R. 7090]
25.31	"Stormwater" means precipitation runoff, stormwater runoff, snowmelt runoff, and any other surface runoff and drainage. [Minn. R. 7090]
	[William 10.7030]
25.32	"Steep Slopes" means slopes that are 1:3 (V:H) (33.3 percent) or steeper in grade. [Minn. R. 7090]
25.32	

Permit issued: January 8, 2025
Permit expires: July 31, 2028
C00071231
Page 20 of 20

	treatment systems constructed in wetlands and mitigated in accordance with Section 22 as surface waters. [Minn. R. 7090]
25.35	"Waters of the State" means all streams, lakes, ponds, marshes, watercourses, waterways, wells, springs, reservoirs, aquifers, irrigation systems, drainage systems and all other bodies or accumulations of water, surface or underground, natural or artificial, public or private, which are contained within, flow through, or border upon the state or any portion thereof. [Minn. Stat. 115.01, subd. 22]
25.36	"Water Quality Volume" means one (1) inch of runoff from the net increase in impervious surfaces created by the project (calculated as an instantaneous volume). [Minn. R. 7090]
25.37	"Wetlands" means those areas that are inundated or saturated by surface water or groundwater at a frequency and duration sufficient to support, and under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas. Constructed wetlands designed for wastewater treatment are not waters of the state. Wetlands must have the following attributes:
	a. a predominance of hydric soils; and b. inundated or saturated by surface water or groundwater at a frequency and duration sufficient to support a prevalence of hydrophytic vegetation typically adapted for life in a saturated soil condition; and c. under normal circumstances support a prevalence of such vegetation. [Minn. R. 7050.0186, subp. 1(a)B]



520 Lafayette Road North St. Paul, MN 55155-4194

CSW transfer form

NPDES Construction Stormwater (CSW) Permit Program

National Pollutant Discharge Elimination System (NPDES)

Doc Type: Subdivision Registration Form

Instructions: Use this form to transfer an existing permit to a new owner or contractor. Print a copy of the completed form for your records, or save the completed form to your computer in a location where you can easily find it.

Submittal: The person who certifies this form can email the completed form to csw.pca@state.mn.us using "Transfer Form" as the subject line. An auto-reply message will be sent upon the email being received. A manual confirmation email will be sent.

Questions: Email the program at csw.pca@state.mn.us or call the Stormwater Hotline at: 651-757-2119 or 800-657-3804 (non-metro only).

This form cannot be used to:

- · Apply for general permit coverage
- Apply for a subdivision registration permit
- Make permit detail modifications

Project information (as listed on the original Permit application form)

Project	name:			
Permit number: C000			or	SUB00
Project				
Current Owner contact name:				
Chang	e in permit	tee information		
A.	Owner			
	Owner cont	tact name:	Company/ Organization name:	
	Owner mail	ing address:		
	City:		State:	Zip code:
	Email addre	ess:	Telephone:	
В.	Owner alte	rnate		
	Owner cont	act name:		
		ess:		
C.	Contractor			
	Contact nar	me:	Company/ Organization name:	
	Contact ma	illing address:		
	City:		State:	Zip code:
	Email addre	ess:	Telephone:	
D.	Contractor	alternate		
	Contact nar	me:		
		ess:		

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. I certify that based on my inquiry of the person, or persons, who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of civil and criminal penalties.

By signing my name below, I certify the above statements to be true and correct, to the best of my knowledge, and that this information can be used for the purpose of processing this form.

Current Owner authorized signature (required)	Current Contractor authorized representative	
Name:	Name:	
Company name:		
Signature:		
Date (mm/dd/yyyy)		
New Owner authorized signature (required if permit is transferring to a new owner)	New Contractor authorized representative (required if permit is transferring to a new contractor)	
Name:	Name:	
Company name:		
Signature:		
Date (mm/dd/yyyy)		



Equal Employment Opportunity (EEO) State and Federal Laws, Policies and Rules

Minnesota Affirmative Action Requirements

Minn. Stat. § 363A.36, Minn. R. 5000.3520 - .3530

General

- A. The Contractor agrees that Minn. Stat. § 363A.36 and its accompanying rules are incorporated into any Contract executed with the Minnesota Department of Transportation (MnDOT) based on these specifications or any modification thereof. Upon request, MnDOT will provide the Contractor with a copy of Minn. Stat. § 363A.36 and its accompanying rules.
- B. MnDOT intends to execute its responsibility to require affirmative action by the Contractor. This includes providing the Minnesota Department of Human Rights (MDHR) with information indicating that the Contractor is not in compliance with Minn. Stat. § 363A.36 and its accompanying rules.

Contractor Responsibilities

- A. The Contractor must take affirmative action to employ and advance in employment qualified minorities and women at all levels of employment, including the executive level. This applies to all employment practices, including, but not limited to, the following:
 - 1. Hiring, upgrading, demotion, or transfer
 - 2. Recruitment, or recruitment advertising
 - 3. Layoff, or termination
 - 4. Rates of pay, or other forms of compensation; and selection for training, including apprenticeship
- B. The Contractor must demonstrate that specific and significant actions to recruit, hire, and retain minorities and/or women are being taken if the applicable workforce participation goals will not be met.
- C. The Contractor must comply with the affirmative action requirements of Minn. Stat. § 363A.36 and its accompanying rules, as well as any subsequent rules and relevant orders issued by MDHR pursuant to this same law.

Notice

- 1. The Contractor must post notices in a form stipulated by the Commissioner of MDHR in conspicuous places. These notices must outline the following:
 - 1. The rights of employees and applicants
 - 2. The legal obligation to take affirmative action to employ and advance in employment employees and applicants who are minorities and women. The notices can be found here: http://www.dot.state.mn.us/const/labor/posterboards.html

Noncompliance

- A. The Contractor's failure to implement or make a good faith effort to implement an affirmative action plan approved under Minn. Stat. § 363A.36 and its accompanying rules may result in the suspension or revocation of its certificate of compliance. Should either of these consequences occur, MnDOT may abridge or terminate the Contract awarded.
- B. The Contractor's failure to take specific and significant actions to recruit, hire, and retain minorities and/or women if the workforce participation goals will not be met may result in the suspension or revocation of its certificate of



compliance. Should either of these consequences occur, MnDOT may abridge or terminate the Contract awarded.



VIOLENCE-FREE AND RESPECTFUL WORKPLACE

(INCLUDES GENERAL HARASSMENT, RETALIATION, AND WEAPONS)

POLICY HR014, EFFECTIVE 2015-07-17

POLICY STATEMENT

The Minnesota Department of Transportation (MnDOT) is committed to providing a safe and respectful workplace free from inappropriate behaviors for all employees. MnDOT employees, contractors and vendors (third parties) conducting business with MnDOT must:

- Understand the <u>Workplace Violence Continuum</u> and the behaviors that constitute a violation of this policy;
- Report any persons who violate this policy;
- Take appropriate action in situations that involve policy violation.

MnDOT fully adopts the <u>MMB Respectful Workplace</u> policy, to build and maintain a workplace that is respectful and professional toward all employees and third parties.

MnDOT's Violence-Free and Respectful Workplace policy addresses only behavior and communication that do not involve protected class status. The MnDOT Discrimination Policy addresses harassment based on race, color, creed, religion, national origin, sex, marital status, disability, sexual orientation, age, genetic information, or status with regard to public assistance.

REASON FOR POLICY

- Identify the types of behavior that constitute workplace violence
- Define roles and responsibilities of all MnDOT employees and third parties
- Clarify reporting procedure for policy violation.

WHO NEEDS TO KNOW THIS POLICY?

- All MnDOT employees
- All third parties conducting business with MnDOT

DEFINITIONS

Formal Complaint

A formal complaint is a written statement of workplace concern that alleges violation of this policy by an employee or third party.

SENIOR OFFICER

Tracy Hatch

Deputy Commissioner/CFO/COO

POLICY OWNER

Karin van Dyck

Director, Office of Human Resources

POLICY CONTACT

Jodi Mathiason

Labor Relations Manager Office of Human Resources <u>Jodi.Mathiason@state.mn.us</u> 651-366-3404

POLICY HISTORY

2015-07-17, Established

MnDOT Policy Website

General Harassment

Conduct that has the effect of unreasonably interfering with the employee's work performance, behavior made with the intent to cause fear, or creating an intimidating, hostile, or offensive work environment. Legitimate job-related efforts of a supervisor to direct or evaluate an employee or to have the employee improve his or her performance are not general harassment.

Professionalism

Professionalism is a display of good judgment and proper behavior expected in the workplace from employees and third parties.

Respectful Behavior

Positive interactions with employees and third parties, in a manner that a reasonable person finds appropriate.

Retaliation

Adverse action response to an employee's participation in a complaint, report, investigation, or lawsuit about workplace violence (protected activity).

Third Party

A third party is a contractor or vendor conducting business with MnDOT.

Weapon

Weapon is anything intended to harm or intimidate another person. Examples may include, but are not limited to, all firearms, non-firearms such as knives, martial arts devices, explosives, combustible devices, and chemical substances.

Workplace Violence Continuum

Violence or inappropriate behaviors that range from bullying, verbal abuse, arguments, property damage, vandalism, sabotage, pushing, theft, physical assaults, rape, and arson, to murder. Workplace violence can occur while on state property or while performing work for MnDOT at any location, by a state employee, third party, or the public.

PROCEDURES

Obligation to Report Workplace Violence

In a life-threatening situation, call 9-1-1 or other emergency contact at the work location, if making the call does not pose a risk to the well-being of the employee.

Any employee who is the subject of, or who witnesses workplace violence must immediately report the incident in one or all of the following ways:

- Report the behavior to his/her supervisor, manager or Human Resources office;
- Submit a completed Violent Incident Report Form to the Human Resources Office;
- Report by using the <u>Report Wrongdoing/Questionable Activity Form</u>; the information reported must include the details of the situation.

Any employee who violates this policy or is found to have witnessed an act of workplace violence and did not report it may be subject to discipline, up to and including discharge. Violation of this policy by third parties conducting business for MnDOT may jeopardize their contractual relationship with the agency.

Informal Resolution

Any employee can choose to explore options with Human Resources to address concerns.

- The employee subjected to inappropriate behavior should have a conversation with the other individual(s) involved whenever possible, if it does not pose a risk to the well-being of the employee;
- The employee is encouraged to speak with his/her supervisor, Human Resources, union representative, or Employee Assistance Program (EAP) for assistance or guidance on how to resolve the situation;
- If the concern is about a supervisor or manager, employees may contact Human Resources, union representative or EAP to discuss options for resolution.

Formal Complaints

A formal complaint must be submitted in writing to Human Resources and include the details of the situation. As with all investigations alleging employee misconduct, investigations related to this policy will occur in a timely, fair, and objective manner. This process does not supersede any applicable grievance or dispute resolution process under a collective bargaining agreement or plan.

- Complaints must be submitted to the Human Resources Office, and include the details of the situation;
- The person receiving a complaint must acknowledge receipt of the complaint in writing;
- A prompt review of the complaint will be conducted and addressed;
- All data associated with a complaint, including any investigation and any outcome is government data, <u>Minnesota</u>
 Statutes Chapter 13, Government Data Practices Act governs the release or non-release of data.

Retaliation

Any employee who perceives retaliation because he or she filed a complaint about workplace violence should immediately contact the Human Resources Office, Labor Relations.

RESPONSIBILITIES

Employees

- Conduct one's self in a manner that demonstrates professionalism and respect for all others while working for and representing MnDOT;
- Be familiar with this policy and understand the meanings and definitions included;
- Document and report all behaviors or incidents that may violate this policy to a manager, supervisor, or Human Resources Office;
- Fulfill all mandatory training requirements:
 - Respectful Workplace (MnDOT employees)
 - Workplace Violence Prevention_(MnDOT employees)
- Cooperate in investigations of alleged violations of this policy, including investigations of general harassment, inappropriate behaviors, weapons, and retaliation.

Managers/Supervisors In addition to the responsibilities of Employees (as described above)

- Be familiar with this policy to achieve and maintain compliance with this policy;
- Document and take timely and appropriate action when a complaint is made alleging violations of this policy and collaborate with Human Resources in the process;
- Ensure employees fulfill mandatory training requirements:
 - Respectful Workplace (MnDOT employees)
 - Workplace Violence Prevention (MnDOT employees)

Human Resources Offices

- Assist with the resolution and investigation of inappropriate behaviors that may violate this policy;
- Provide consultation to employees, supervisors, and managers on options and the appropriate course of action, to including guidance regarding resources for alternative solutions;
- Provide consultation to employees, supervisors, and managers on applicable rules, policies, procedures, and learning opportunities;
- Design and provide mandatory training, offer resources and/or training to assist employees in dealing with situations that may lead to potential violence.

Third Parties (contractor or vendor)

- Conduct one's self in a manner that demonstrates professionalism and respect for all others while working with MnDOT and the public;
- Refer to the MnDOT Policies webpage to become familiar with all of MnDOT policies;
- Document and report all behaviors or incidents that may violate this policy;
- Cooperate in investigations of alleged violations of this policy including investigations of general harassment, inappropriate behaviors, weapons, and retaliation.

FORMS/INSTRUCTIONS

<u>Violent Incident Report Form</u> Report Wrongdoing/Questionable Activity Form

RELATED INFORMATION

MnDOT Violent Incident Advisory Team (VIAT)
MnDOT Discrimination Policy
Minnesota Statutes §609.02, Subd.6 Dangerous Weapons
Employee Assistance Program (EAP)

POLICY OWNERSHIP AND AUTHORIZATION

Policy Owner

Karin van Dyck, Digector, Office of Human Resources

Signature and Date Signed

Governance Council

Sue Stein, Director, Corporate Services Division

Signature and Date Signed

Responsible Senior Officer

Tracy Hatch, Deputy Commissioner/CFO/COO

Signature and Date \$igned

7-16-15



SPECIFIC FEDERAL EQUAL OPPORTUNITY RESPONSIBILITIES

(23 CFR 230, Subpart A, Appendix A, FAPG June 6, 1996)

1. General.

- a. Equal employment opportunity requirements not to discriminate and to take affirmative action to assure equal opportunity as required by Executive Order 11246 and Executive Order 11375 are set forth in Required contract Provisions (Form PR-1273 or 1316, as appropriate) and these Special Provisions which are imposed pursuant to Section 140 of title 23, U.S.C., as established by Section 22 of the Federal-Aid Highway Act of 1968. The requirements set forth in these Special Provisions shall constitute the specific affirmative action requirements for project activities under this contract and supplement the equal employment opportunity requirements set forth in the Required Contract Provisions.
- b. The contractor will work with the State highway agencies and the Federal Government in carrying out equal employment opportunity obligations and in their review of his/her activities under the contract.
- c. The contractor and all his/her subcontractors holding subcontracts not including material suppliers, of \$10,000 or more, will comply with the following minimum specific requirement activities of equal employment Opportunity: (The equal employment opportunity requirements of Executive Order 11246, as set forth in volume 6, Chapter 4, Section 1, Subsection 1 of the Federal-Aid Highway program Manual, are applicable to material suppliers as well as contractors and subcontractors.) The contractor will include these requirements in every subcontract of \$10,000 or more with such modification of language as is necessary to make them binding on the subcontractor.

2. Equal Employment Opportunity Policy.

The contractor will accept as his operating policy the following statement which is designed to further the provision of equal employment opportunity to all persons without regard to their race, color, religion, sex, or national origin, and to promote their full realization of equal employment through a positive continuing program:

It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, color, or national origin. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, pre apprenticeship, and/or on-the-job training.

3. Equal Employment Opportunity Officer.

The contractor will designate and make known to State highway agency contracting officers an equal employment opportunity officer (hereinafter referred to as the EEO Officer) who will have the responsibility for and must be capable of effectively administering and promoting an active contractor program of equal employment opportunity and who must be assigned adequate authority and responsibility to do so.

4. Dissemination of Policy.

- a. All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action, or who are substantially involved in such action will be made fully cognizant of, and will implement, the contractor's equal employment opportunity policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:
 - (1) Periodic meetings of supervisory and personnel office staff will be conducted before the start of work and then not less often than once every six months, at which time the contractor's equal employment opportunity policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer or other knowledgeable company official.
 - (2) All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer or other knowledgeable company official, covering all major aspects of the contractor's equal employment opportunity obligations within thirty days following their reporting for duty with the contractor.



- (3) All personnel who are engaged in direct recruitment for the project will be instructed by the EEO officer or appropriate company official in the contractor's procedures for locating and hiring minority group employees.
- b. In order to make the contractor's equal employment policy known to all employees, prospective employees and potential sources of employees, i.e., schools, employment agencies, labor unions (where appropriate), college placement officers, etc., the contractor will take the following actions:
 - (1) Notices and posters setting forth the contractor's equal employment opportunity policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.
 - (2) The contractor's equal employment opportunity policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

5. Recruitment.

- a. When advertising for employees, the contractor will include in all advertisements for employees the notation "An Equal Opportunity Employer." All such advertisements will be published in newspapers or other publications having a large circulation among minority groups in the area from which the project work force would normally be derived.
- b. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minority group applicants, including, but not limited to, State employment agencies, schools, colleges and minority group organizations. To meet this requirement, the contractor will, through their EEO Officer, identify sources of potential minority group employees, and establish with such identified sources procedures whereby minority group applicants may be referred to the contractor for employment consideration. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, he is expected to observe the provisions of that agreement to the extent that the system permits the contractor's compliance with equal employment opportunity contract provisions. (The U.S. Department of Labor has held that where the implementation of such agreements have the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Executive Order 11246, as amended.)
- c. The contractor will encourage his present employees to refer minority group applicants for employment by posting appropriate notices or bulletins in areas accessible to all such employees. In addition, information and procedures with regard to referring minority group applicants will be discussed with employees.
- **6. Personnel Actions.** Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, or national origin. The following procedures shall be followed:
 - a. The contractor will conduct periodic inspections of project sites to insure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.
 - b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.
 - c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.
 - d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with his/her obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all his avenues of appeal.



7. Training and Promotion.

- a. The contractor will assist in locating, qualifying, and increasing the skills of minority group and women employees and applicants for employment.
- b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor must make full use of training programs, i.e. apprenticeship, and on-the- job training programs for the geographical area of contract performance. Where feasible, 25 percent of apprentices or trainees in each occupation shall be in their first year of apprenticeship or training. In the event the Training Special Provision is provided under this contract, this subparagraph will be superseded as indicated in Attachment 2.
- c. The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.
- d. The Contractor will periodically review the training and promotion potential of minority group and women employees and will encourage eligible employees to apply for such training and promotion.

8. Unions.

If a contractor relies in whole or in part upon unions as a source of employees, the contractor will use his/her best efforts to obtain the cooperation of such unions to increase opportunities for minority groups and women within the unions, and to effect referrals by such unions of minority and female employees. Actions by the contractor either directly or through a contractor's association acting as agent will include the procedures set forth below:

- a. The contractor will use best efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minority group members and women for membership in the unions and increasing the skills of minority group members and women so that they may qualify for higher paying employment.
- b. The contractor will use best efforts to incorporate an equal employment opportunity clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, or national origin.
- c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the State highway department and shall set forth what efforts have been made to obtain such information.
- d. In the event the union is unable to provide the contractor with a reasonable flow of minority and women referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, or national origin; making full efforts to obtain qualified and/or qualifiable minority group persons and women. (The U.S. Department of Labor has held that it shall be no excuse that the union with which the contractor has a collective bargaining agreement providing for exclusive referral failed to refer minority employees.) In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the State highway agency.

9. Subcontracting.

- a. The contractor will use his best efforts to solicit bids from and to utilize minority group subcontractors or subcontractors with meaningful minority group and female representation among their employees. Contractors shall obtain lists of minority-owned construction firms from State highway agency personnel.
- b. The contractor will use his best efforts to ensure subcontractor compliance with their equal employment opportunity obligations.

10. Records and Reports.

- a. The contractor shall keep such records as necessary to determine compliance with the contractor's equal employment opportunity obligations. The records kept by the contractor will be designed to indicate:
 - (1) The number of minority and non minority group members and women employed in each work classification on the project.



- (2) The progress and efforts being made in cooperation with unions to increase employment opportunities for minorities and women (applicable only to contractor's who rely in whole or in part on unions as a source of their work force),
- (3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minority and female employees, and
- (4) The progress and efforts being made in securing the services of minority group subcontractors with meaningful minority and female representation among their employees.
- b. All such records must be retained for a period of three years following completion of the contract work and shall be available at reasonable times and places for inspection by authorized representatives of the State highway agency and the FHWA.
- c. The contractors will submit an annual report to the State highway agency each July for the duration of the project, indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on Form PR-1391. If on-the-job training is being required by a "Training Special Provision", the contractor will be required to furnish Form FHWA 1409.



STANDARD FEDERAL AND STATE EQUAL EMPLOYMENT OPPORTUNITY CONSTRUCTION CONTRACT SPECIFICATIONS

(41 CFR 60-4.3 and Minnesota Statute §363A.36)

Unless noted, the following apply to both Federal/federally assisted projects and State/state assisted projects. Item 3 applies to Federal/federally assisted projects only.

- 1. As used in these specifications:
 - (a) "Covered area" means the geographical area described in the solicitation from which this contract resulted;
 - (b) "Director" means Director, Office of Federal Contract Compliance Programs, United States Department of Labor, or any person to whom the Director delegates authority;
 - (c) "Employer Identification number" means the Federal Social Security number used on the Employer's Quarterly Federal Tax Return, U.S. Treasury Department Form 941.
 - (d) "Minority" includes:
 - (i) Black (all persons having origins in any of the Black African racial groups not of Hispanic origin);
 - (ii) Hispanic (all persons of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish Culture or origin, regardless of race);
 - (iii) Asian and Pacific Islander (all persons having origins in any of the original peoples of the Far East, Southeast Asia, the Indian Subcontinent, or the Pacific Islands); and
 - (iv) American Indian or Alaskan Native (all persons having origins in any of the original peoples of North America and maintaining identifiable tribal affiliations through membership and participation or community identification).
- 2. Whenever the Contractor, or any Subcontractor at any tier, subcontracts a portion of the work involving any construction trade, it shall physically include in each subcontract in excess of \$10,000 (\$100,000 for State projects) the provisions of these specifications and the Notice which contains the applicable goals for minority and women participation and which is set forth in the solicitations from which this contract resulted.
- 3. If the Contractor is participating (pursuant to 41 CFR 60-4, 5) in a Hometown Plan approved by the U.S. Department of Labor in the covered area either individually or through an association, its affirmative action obligations on all work on the Plan area (including goals and timetables) shall be in accordance with that Plan for those trades which have unions participating in the Plan. Contractors must be able to demonstrate their participation in and compliance with the provisions of any such Hometown Plan. Each Contractor or Subcontractor participating in an approved Plan is individually required to comply with its obligations under the EEO clause, and to make a good faith effort to achieve each goal under the Plan in each trade in which it has employees. The overall good faith performance by other Contractors or Subcontractors toward a goal in an approved Plan does not excuse any covered contractor's or subcontractor's failure to take good faith efforts to achieve the Plan goals and timetables.
- 4. The Contractor shall implement the specific affirmative action standards provided in paragraphs 7(a) to (p) of these specifications (itemized as 4 [a] to [o], Minnesota Rules 5000.3535). The goals set forth in the solicitation from which this contract resulted are expressed as percentages of the total hours of employment and training of minorities and utilization the Contractor should (shall, for State or state assisted projects) reasonably be able to achieve in each construction trade in which it has employees in the covered area. The Contractor shall make substantially uniform progress toward its goals in each craft during the period specified. Covered construction contractors performing construction work in geographical areas where they do not have a Federal or federally assisted construction contract shall apply the minority and female goals established for the geographical area where the work is being performed. Federal goals are published periodically in the Federal Register in notice form, and such notices may be obtained from any office of Federal Contract Compliance programs or from Federal procurement contracting officers. State goals are published periodically in the State Register in notice form, and may be obtained from the Minnesota Department of Human Rights or the Minnesota Department of Transportation Office of Civil Rights. The Contractor is expected to



make substantially uniform progress toward its goals in each craft during the period specified.

- 5. Neither the provisions of any collective bargaining agreement nor the failure by a union, with whom the Contractor has a collective bargaining agreement, to refer either minorities or women shall excuse the Contractor's obligations under these specifications and Executive Order 11246 and its associated rules and regulations for Federal or federally assisted projects, and Minnesota Statutes, Section §363A.36 of the Minnesota Human Rights Act, or the rules adopted under the Act for State or state assisted projects.
- 6. In order for the nonworking training hours of apprentices and trainees to be counted in meeting the goals, such apprentices and trainees shall be employed by the Contractor during the training period, and the Contractor must have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability of employment opportunities. Trainees shall be trained according to training programs approved by the Minnesota Department of Human Rights, the Minnesota Department of Labor and Industry, or the United States Department of Labor.
- 7. The Contractor shall take specific affirmative actions to ensure equal employment opportunity. The evaluation of the Contractor's compliance with these specifications must be based upon its effort to achieve maximum results from its actions. The Contractor shall document these efforts fully, and shall implement affirmative action steps at least as extensive as the following (referred to in Minnesota Rules 5000.3535 as items 4(a) to (o):
 - (a) Ensure and maintain, or for State or state assisted projects make a good faith effort to maintain, a working environment free of harassment, intimidation, and coercion at all sites and in all facilities at which the Contractor's employees are assigned to work. For Federal or federally assisted projects, the Contractor, where possible, will assign two or more women to each construction project. The Contractor shall specifically ensure that all foremen, superintendents, and other on-site supervisory personnel are aware of and carry out the Contractor's obligation to maintain such a working environment, with specific attention to minority or women individuals working at such sites or in such facilities.
 - (b) Establish and maintain a current list of minority and women recruitment sources, provide written notification to minority and women recruitment sources and to community organizations when the Contractor or its unions have employment opportunities available, and maintain a record of the organizations' responses.
 - (c) Maintain a current file of the names, addresses, and telephone numbers of each minority and woman off-the-street applicant and minority or woman referral from a union, a recruitment source, or community organization and of what action was taken with respect to each individual. If the individual was sent to the union hiring hall for referral and was not referred back to the Contractor by the union or, if referred, not employed by the Contractor, this shall be documented in the file with the reason therefore along with whatever additional actions the Contractor may have taken.
 - (d) Provide immediate written notification to the commissioner of the Minnesota Department of Human Rights for State or state assisted projects, or the director of the Office of Federal Contract Compliance for Federal or federally assisted projects, when the union, or unions with which the Contractor has a collective bargaining agreement, has not referred to the Contractor a minority person or woman sent by the Contractor, or when the Contractor has other information that the union referral process has impeded the Contractor's efforts to meet its obligations.
 - (e) Develop on-the-job training opportunities and/or participate in training programs for the areas which expressly include minorities and women, including upgrading programs and apprenticeship and trainee programs relevant to the Contractor's employment needs, especially those programs funded or approved by the State of Minnesota for State or state assisted projects or the Department of Labor, for Federal or federally assisted projects. The Contractor shall provide notice of these programs to the sources compiled under (b).
 - (f) Disseminate the Contractor's equal employment opportunity policy by providing notice of the policy to unions and training programs and requesting their cooperation in assisting the Contractor in meeting its equal employment opportunity obligations; by including it in any policy manual and collective bargaining agreement;



by publicizing it in the company newspaper, annual report, etc.; by specific review of the policy with all management personnel and with all minority and women employees at least once a year; and by posting the company equal employment opportunity policy on bulletin boards accessible to all employees at each location where construction work is performed.

- (g) Review, at least annually, the company's equal employment opportunity policy and affirmative action obligations under these specifications with all employees having any responsibility for hiring, assignment, layoff, termination, or other employment decisions; including specific review of these items with onsite supervisory personnel such as superintendents, general foremen, etc., prior to the first day of construction work at any job site. A written record shall be made and maintained identifying the time and place of these meetings, persons attending, subject matter discussed, and disposition of the subject matter.
- (h) Disseminate the Contractor's equal employment opportunity policy externally by including it in any advertising in the news media, specifically including minority and women news media, and providing written notification to and discussing the Contractor's equal employment opportunity policy with other contractors and subcontractors with whom the Contractor does or anticipates doing business.
- (i) Direct its recruitment efforts, both oral and written, to minority, women, and community organizations; to schools with minority and women students; and to minority and women recruitment and training organizations serving the Contractor's recruitment area and employment needs. Not later than one month prior to the date for the acceptance of applications for apprenticeship or other training by any recruitment source, the Contractor shall send written notification to organizations, such as the above, describing the openings, screening procedures, and tests to be used in the selection process.
- (j) Encourage present minority and women employees to recruit other minority persons and women and, where reasonable, provide after school, summer and vacation employment to minority and women youth, both on the site and in other areas of a Contractor's work force.
- (k) Validate all tests and other selection requirements where there is an obligation to do so under 41 CFR Part 60-3. (This requirement applies only to Federal and federally assisted projects.)
- (I) Conduct, at least annually, an inventory and evaluation at least of all minority and women personnel for promotional opportunities; and encourage these employees to seek or to prepare for, through appropriate training, such opportunities. (This is Item 4(k) in Minnesota Rules.)
- (m) Ensure that seniority practices, job classifications, work assignments, and other personnel practices do not have a discriminatory effect by continually monitoring all personnel and employment-related activities to ensure that the equal employment opportunity policy and the Contractor's obligations under these specifications are being carried out. (This is item 4(I) in Minnesota Rules.)
- (n) Ensure that all facilities and company activities are non segregated except that separate or single-user toilet and necessary changing facilities shall be provided to assure privacy between the sexes. (This is item 4(m) in Minnesota Rules.)
- (o) Document and maintain a record of all solicitations or offers for subcontracts from minority and women construction contractors and suppliers, including circulation of solicitations to minority and women contractor associations and other business associations. (This is item 4(n) in Minnesota Rules.)
- (p) Conduct a review, at least annually, of all supervisors' adherence to and performance under the Contractor's equal employment opportunity policies and affirmative action obligations. (This is item 4(o) in Minnesota Rules.)
- 8. Contractors are encouraged to participate in voluntary associations which assist in fulfilling one or more of their affirmative action obligations (7(a) to (p) for Federal or federally assisted projects, and 4(a)-(o) for State or state assisted projects). The efforts of a contractor association, joint contractor-union, contractor-community, or other similar group of which the Contractor is a member and participant, may be asserted as fulfilling any one or more of its obligations under 7(a) to (p) or 4(a) to (o) of these specifications provided that the Contractor actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, ensures that the concrete benefits of the program are reflected in the Contractor's minority and women work force participation, makes a good faith effort to meet its individual goals and timetables, and can

Page 14 of 17



provide access to documentation which demonstrates the effectiveness of actions taken on behalf of the Contractor. The obligation to comply, however, is the Contractor's and failure of such a group to fulfill an obligation shall not be defense for the Contractor's noncompliance.

- 9. A single goal for minorities and a separate single goal for women have been established. The Contractor however, is required to provide equal employment opportunity and to take affirmative action for all minority groups both male and female, and all women both minority and non-minority. Consequently, the Contractor may be in violation of the Executive Order for Federal or federally assisted projects, or Minnesota Rules for State or state assisted projects, if a particular group is employed in a substantially disparate manner (for example, even though the Contractor has achieved its goals for women generally, the Contractor may be in violation of the Executive Order or Minnesota Rules part 5000.3520 if a specific minority group is under-utilized).
- 10. The Contractor shall not use the goals and timetables or affirmative action standards to discriminate against any person because of race, color, creed, religion, sex, or national origin. Minnesota Statutes §363A.36, part 5000.3535 (Subp. 7) also prohibits discrimination with regard to marital status, status with regard to public assistance, disability, age, or sexual orientation.
- 11. The Contractor shall not enter into any subcontract with any person or firm debarred from government contracts under the federal Executive Order 11246 or a local human rights ordinance, or whose certificate of compliance has been suspended or revoked pursuant to Minnesota Statutes, Section §363A.36.
- 12. The Contractor shall carry out such sanctions for violation of these specifications and of the equal opportunity clause, including suspension, termination, and cancellation of existing contracts as may be imposed or ordered pursuant to Minnesota Statutes, Section §363A.36, and its implementing rules for State or state assisted projects, or Executive Order 11246, as amended, and its implementing regulations, by the Office of Federal Contract Compliance Programs for Federal or federally assisted projects. Any contractor who fails to carry out such sanctions shall be in violation of these specifications and Minnesota Statutes, Section §363A.36, or Executive Order 11246 as amended.
- 13. The Contractor, in fulfilling its obligations under these specifications, shall implement specific affirmative action steps, at least as extensive as those standards prescribed in paragraph 7 of these specifications (paragraph 4 in Minnesota Rules 5000.3535), so as to achieve maximum results from its efforts to ensure equal employment opportunity. If the Contractor fails to comply with the requirements of these Specifications or Minnesota Statutes, Section §363A.36 and its implementing rules, or Executive Order 11246 and its regulations, the commissioner or the director shall proceed in accordance with Minnesota Rules part 5000.3570 for State or state assisted projects, or 41 CFR 60-4.8 for Federal or federally assisted projects.
- 14. The Contractor shall designate a responsible official to monitor all employment-related activity to ensure that the company equal employment opportunity policy is being carried out, to submit reports relating to the provisions hereof as may be required by the Minnesota Department of Human Rights or the Government, and to keep records. Records shall at least include for each employee the name, address, telephone numbers, construction trade, union affiliation if any, employee identification number when assigned, social security number, race, sex, status (for example, mechanic, apprentice trainee, helper, or laborer), dates of changes in status, hours worked per week in the indicated trade, rate of pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree that existing records satisfy this requirement, contractors shall not be required to maintain separate records.
- 15. Nothing provided in this part shall be construed as a limitation upon the application of other state or federal laws which establish different standards of compliance or upon the application of requirements for the hiring of local or other area residents.



EQUAL OPPORTUNITY CLAUSE

(41 CFR Part 60-1.4 b, 7-1-96 Edition)

The applicant hereby agrees that it will incorporate or cause to be incorporated into any contract for construction work, or modification thereof, as defined in the regulations of the Secretary of Labor at 41 CFR Chapter 60, which is paid for in whole or in part with funds obtained from the Federal Government or borrowed on the credit of the Federal Government pursuant to a grant, contract, loan, insurance, or guarantee, the following equal opportunity clause:

During the performance of this contract, the Contractor agrees as follows:

- a. The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The Contractor will take affirmative action to ensure that applicants are employed and that employees are treated during employment without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoffs or termination; rates of pay or other forms of compensation; and, selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the State Highway Agency (SHA) setting forth the provisions of this nondiscrimination clause.
- b. The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, or national origin.
- c. The Contractor will send to each labor union or representative of workers with which the Contractor has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representative of the Contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- d. The Contractor will comply with all provisions of Executive Order 11246, Equal Employment Opportunity, dated September 24, 1965, and of the rules, regulations (41 CFR Part 60), and relevant orders of the Secretary of Labor.
- e. The Contractor will furnish all information and reports required by Executive Order 11246 and by rules, regulations, and orders of the Secretary of Labor, pursuant thereto, and will permit access to its books, records, and accounts by the Federal Highway Administration (FHWA) and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
- f. In the event of the Contractor's noncompliance with the nondiscrimination clauses of this contract, or with any of such rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part, and the Contractor may be declared ineligible for further Government contracts or federally-assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions as may be imposed and remedies invoked as provided in Executive Order 11246 or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
- g. The Contractor will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraph (1) through (7) in every subcontract or purchase order so that such provisions will be binding upon each subcontractor or vendor, unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order 11246. The Contractor will take such action with respect to any subcontract or purchase order as the Secretary of Labor, SHA, or the Federal Highway Administration (FHWA) may direct as a means of enforcing such provisions, including sanctions for noncompliance. In the event a contractor becomes a party to litigation by a subcontractor or vendor as a result of such direction, the contractor may request the SHA to enter into such litigation to protect the interest of the State. In addition, the Contractor may request the United States to enter into such litigation to protect the interests of the United States.

The applicant further agrees that it will be bound by the above equal opportunity clause with respect to its own employment practices when it participates in federally assisted construction work: Provided, that if the applicant so



participating is a State or local government, the above equal opportunity clause is not applicable to any agency, instrumentality or subdivision of such government which does not participate in work on or under the contract.

The applicant agrees that it will assist and cooperate actively with the administering agency and the Secretary of Labor in obtaining the compliance of contractors and subcontractors with the equal opportunity clause and the rules, regulations, and relevant orders of the Secretary of Labor, that it will furnish the administering agency and the Secretary of Labor such information as they may require for the supervision of such compliance, and that it will otherwise assist the administering agency in the discharge of the agency's primary responsibility for securing compliance.

The applicant further agrees that it will refrain from entering into any contract or contract modification subject to Executive Order 11246 of September 24, 1965, with a contractor debarred from, or who has not demonstrated eligibility for, Government contracts and federally assisted construction contracts pursuant to the Executive order and will carry out such sanctions and penalties for violation of the equal opportunity clause as may be imposed upon contractors and subcontractors by the administering agency or the Secretary of Labor pursuant to Part II, Subpart D of the Executive order. In addition, the applicant agrees that if it fails or refuses to comply with these undertakings, the administering agency may take any or all of the following actions: Cancel, terminate, or suspend in whole or in part this grant (contract, loan, insurance, guarantee); refrain from extending any further assistance to the applicant under the program with respect to which the failure or refund occurred until satisfactory assurance of future compliance has been received from such applicant; and refer the case to the Department of Justice for appropriate legal proceedings.

NOTICE TO BIDDERS

Particular note should be made in regard to the clarity of numerals (figures) and to the procedure for alterations and the required certificate as directed by Section 1301.

The following abbreviations may be used in item description and unit of measure in the Schedule of Prices.

A	Arch	JA	Jacked
A-S	Antiseepage	LIN FT	Linear Feet
AB	Asbestos Bonded	LG	Long
ACT	Actuated	MAINT	Maintenance
AGG	Aggregate	MATL	Material
ALUM	Aluminum	MGM	1000 Board Feet
ASB	Asbestos	MET	Metal
ASPH	Asphaltic	MOD	Modification
ASSY	Assemblies	MPA	Metal Pipe Arch
B+B	Balled & Burlapped	MTD	Mounted
BC	Bituminous Coated	NON MET	Non Metallic
BIT	Bituminous	NON PERF	Non-Perforated
BLDG	Building	NON REINF	Non-Reinforced
BR	Bridge	OH	Overhead
CAL	Caliper	P-A	Pipe-Arch
CB	Catch Basin	PAVT	Pavement
CEM	Cement	PERF	Perofrated
C and G	Curb and Gutter	PL	Plate
CI	Cast Iron	PNEUM	Pneumatic
C-I-P	Cast-in-Place	PREC	Precast
CL	Class	PREST	Prestressed
COMM	Commercial	PVC	Poly Vinyl Chloride
CONC	Concrete	RCPA	
COND	Conductor	REINF	Reinforced Concrete Pipe Arch Reinforced
	Connection	RELO	Relocation
CONN CONST	Construct	RESTOR	
			Restoration
CONT	Continuously	RMC	Rigid Metallic Conduit
CP	Cattle Pass	RNMC	Rigid Non Metallic Conduit
CLLET	Coated	RDWY	Roadway
CU FT	Cubic Feet	S-G	Sand & Gravel
CU YD	Cubic Yard	SIG	Signal
CULV	Culvert	SPE	Special
CWT	Hundred Weight	SQ FT	Square Feet
DES	Design	SQ YD	Square Yard
DBL	Double	STA	Station
DI	Drop Inlet	STD	Standard
DIAM	Diameter	STL	Steel
DRWY	Driveway	STKPL	Stockpile
EXC	Excavation	STR	Strength
EXP	Expansion	STRUCT	Structural
FAB	Fabric	SPPA	Structural Plate Pipe Arch
FE	Fence	SYS	System
FERT	Fertilizer	T	Traffic
F+I	Furnish & Install	TBR	Timber
FOUND	Foundation	TEMP	Temporary
FT LG	Feet Long	THERMO	Thermoplastic
FURN	Furnish	TRTD	Treated
GA	Gauge	UNDERGRD	Underground
GRAN	Granular	UNTRTD	Untreated
HI	High	VAR	Variable
INP	In Place	VM	Vehicular Measure
INST	Install	WEAR	Wearing
			2

YELLOW MEDICINE COUNTY

Schedule Of Prices

Project Number: SAP 087-601-013/SAP 087-642-003 Project Title or Road Number: CSAH 1 and CSAH 42 Work Type: Bituminous Surfacing and Agg. Shouldering

BIDDER MUST FILL IN UNIT PRICES IN NUMERALS; MAKE EXTENSION FOR EACH ITEM AND TOTAL. FOR COMPLETE INFORMATION CONCERNING THESE ITEMS, SEE PLANS AND SPECIFICATIONS, INCLUDING SPECIAL PROVISIONS.

Project SAP 087-601-013/SAP 087-642-003

Item No.	Description	Units	Quantity	Unit Price	Total Price
2021.501	Mobilization	Lump Sum	1		
2221.507	Shoulder Base Aggregate (LV) Class 5 MOD	Cu Yd	7,648		
2232.504	Mill Bituminous Surface (1")	Sq Yd	171,935		
2360.509	Type SP 12.5 Wearing Course Mix (2,C)	Ton	29,136		
2563.601	Traffic Control	Lump Sum	1.0		
2582.503	24" Solid Line White-Preform Tape (Ground In)	Lin Ft	144		
2582.503	4" Broken Line - Multi-Component	Lin Ft	25,631		
2582.503	4" Solid Line - Multi-Component	Lin Ft	25,383		
2582.503	6" Solid Line - Multi-Component	Lin Ft	129,040		
2582.518	Pavement Message- Preform Tape (Ground In)	Sq Ft	248		
		SAP 087-601-01	13/SAP 087-642-003	3 PROJECT TOTAL	

YELLOW MEDICINE COUNTY

Schedule Of Prices

Project Number: SAP 087-604-018 Project Title or Road Number: CSAH 4

Work Type: Agg. Base, Bit. Surfacing, and Agg. Shouldering

BIDDER MUST FILL IN UNIT PRICES IN NUMERALS; MAKE EXTENSION FOR EACH ITEM AND TOTAL. FOR COMPLETE INFORMATION CONCERNING THESE ITEMS, SEE PLANS AND SPECIFICATIONS, INCLUDING SPECIAL PROVISIONS.

SAP 087-604-018

Item No.	Description	Units	Quantity	Unit Price	Total Price
2011.601	Construction Surveying	Lump Sum	1		
2021.501	Mobilization	Lump Sum	1		
2112.604	Surface Preparation	Sq Yd	79,534		
2123.510	Common Laborers	Hour	20		
2123.510	Motor Grader	Hour	20		
2123.510	150 HP Tractor	Hour	20		
2123.510	Disk Harrow	Hour	20		
2123.610	Skid Loader	Hour	20		
2211.507	Aggregate Base (LV) Class 5	Cu Yd	14,765		
2221.507	Shoulder Base Aggregate (LV), Class 5 MOD	Cu Yd	12,233		
2232.504	Mill Bituminous Surface (2")	Sq Yd	56,341		
2360.509	Type SP 12.5 Wearing Course Mix (2,C)	Ton	20,598		
2360.509	Type SP 19.0 Non Wear Course Mix (2,C)	Ton	9,516		
2563.601	Traffic Control	Lump Sum	1		
2573.501	Erosion Control Supervisor	Lump Sum	1		
2574.507	Common Topsoil Borrow	Cu Yd	200		
2574.508	Fertilizer Type 1	Pound	2,320		
2575.505	Disk Anchoring	Acre	11.6		
2575.505	Seeding	Acre	11.6		
2575.508	Seed Mixture 25-142	Pound	580		
2575.508	Seed Mixture 25-151	Pound	36		
2575.509	Mulch Material Type 3	Ton	23		
2582.503	24" Solid Line Multi-Component	Lin Ft	24		
2582.503	4" Broken Line Multi-Component	Lin Ft	8,335		
2582.503	4" Solid Line Multi-Component	Lin Ft	14,464		
2582.503	6" Solid Line Multi-Component	Lin Ft	84,250		
	SAP 087-604-018 PROJECT TOTAL				

YELLOW MEDICINE COUNTY

Schedule Of Prices

Project Number: SAP 087-630-007 Project Title or Road Number: CSAH 30

Work Type: Agg. Base, Bituminous Surfacing and Agg. Shouldering

BIDDER MUST FILL IN UNIT PRICES IN NUMERALS; MAKE EXTENSION FOR EACH ITEM AND TOTAL. FOR COMPLETE INFORMATION CONCERNING THESE ITEMS, SEE PLANS AND SPECIFICATIONS, INCLUDING SPECIAL PROVISIONS.

SAP 087-630-007

Item No.	Description	Units	Quantity	Unit Price	Total Price
2011.601	Construction Surveying	LS	1		
2021.501	Mobilization	LS	1		
2118.604	Surface Preparation	Sq Yd	46,844		
2123.510	Common Labor	Hour	10		
2123.510	Motor Grader	Hour	10		
2123.510	150 HP Tractor	Hour	10		
2123.510	Disk Harrow	Hour	10		
2123.510	Skid Loader	Hour	4		
2211.507	Aggregate Base (LV) Class 5	Cu Yd	8,662		
2221.507	Shoulder Base Aggregate (LV), Class 5 MOD	Cu Yd	4,368		
2232.504	Mill Bituminous Surface (2")	Sq Yd	19,151		
2360.509	Type SP 12.5 Wearing Course Mix (2,C)	Ton	9,267		
2360.509	Type SP 19.0 Non Wear Course Mix (2,C)	Ton	8,110		
2506.502	Adjust Frame and Ring Casting	Each	5		
2563.601	Traffic Control	LS	1		
2573.501	Erosion Control Supervisor	LS	1		
2574.507	Common Topsoil Borrow	Cu Yd	200		
2574.508	Fertilizer Type 1	Pound	1,240		
2575.505	Disk Anchoring	Acre	6.2		
2575.505	Seeding	Acre	6.2		
2575.508	Seed Mixture 25-142	Pound	310		
2575.508	Seed Mixture 25-151	Pound	200		
2575.509	Mulch Material Type 3	Ton	13.0		
2582.503	24" Solid Line White-Preform Tape (Ground In)	Lin Ft	12		
2582.503	4" Broken Line Multi-Component	Lin Ft	3,100		
2582.503	4" Solid Line Multi-Component	Lin Ft	9,517		
2582.503	6" Solid Line Multi-Component	Lin Ft	33,760		
			SAP 087-630-00	7 PROJECT TOTAL	

REDWOOD AND YELLOW MEDICINE COUNTIES

Schedule Of Prices

Project Number: SAP 064-646-008/SAP 087-646-008

Project Title or Road Number: CSAH 46

Work Type: Bituminous Surfacing and Agg. Shouldering

BIDDER MUST FILL IN UNIT PRICES IN NUMERALS; MAKE EXTENSION FOR EACH ITEM AND TOTAL.

FOR COMPLETE INFORMATION CONCERNING THESE ITEMS, SEE PLANS AND SPECIFICATIONS, INCLUDING SPECIAL PROVISIONS.

Project SAP 064-	646-008/SAP 087-646-008	1	T .		
Item No.	Description	Units	Quantity	Unit Price	Total Price
2021.501	Mobilization	Lump Sum	1		
2123.510	Motor Grader	Hour	10		
2123.510	12 CU YD Truck	Hour	10		
2123.510	Pneumatic Tired Roller	Hour	10		
2123.610	Skid Loader	Hour	10		
2130.523	Water	M Gallon	10		
2221.590	Shoulder Base Aggregate Class 1	Ton	4,900		
2232.504	Mill Bituminous Surface (2.0")	Sq Yd	124,177		
2360.509	Type SP 12.5 Wearing Course Mix (2,B)	Ton	22,245		
2563.601	Traffic Control	Lump Sum	1		
2582.503	4" Solid Line Paint	Lin Ft	115,700		
2582.503	4" Broken Line Paint	Lin Ft	8,440		
	SAP 064-646-008/SAP 087-646-008 PROJECT TOTAL				

642-003 PROJECT TOTAL	SAP 087-601-013/SAP 087-642
630-007 PROJECT TOTAL	SAP 087-630
604-018 PROJECT TOTAL	SAP 087-604
608-008 PROJECT TOTAL	SAP 064-646-008/SAP 087-608
CONTRACT TOTAL	

DATE:

BIDDER NAME:		
BIDDER ADDRESS:		
BIDDER PHONE:		
BIDDER SIGNATURI	3:	

Form 21126D (FF Rev. 1-09)
State Aid Project Nos: <u>087-601-013</u>, <u>087-604-018</u>, <u>087-630-007</u>, <u>087-642-003</u>, <u>064-646-008</u>, and <u>087-646-008</u>
GRAND TOTAL \$

The <u>undersigned</u> hereby acknowledges that amendments, plans, standard specifications, an contract. Signed:		in the proposal, addenda, as are a part of this bid and
PROPOSAL GUARANTY required by 1208 prepared as required by 1208 of the Specific Treasurer, in an amount equal to at least 5% of proposal guaranty.	cations and payable to the	Yellow Medicine County
NON-COLLUSION AFFIDAVIT: A Non-Cobe signed by each bidder.	llusion Affidavit is found in	n this proposal which must
RECEIPT OF ADDENDA as required by 1210	of the Specifications:	
The undersigned hereby acknowledges receipt	of and has considered:	
Addendum No Dated	Addendum No Da	ated
Addendum No Dated	Addendum No Da	ated
Signed:		
EXECUTION OF PROPOSAL as required by	1206 of the Specifications:	
This proposal dated the day of	, 20	
Signed:, P.O. Address		as an individual.
Signed:, P.O. Address		as an individual.
doing business under the name and style of		
Signed:, for		a partnership.
	BUSINESS ADDRESS	
Signed:, for		a corporation,
incorporated under the laws of the State of <u>N</u>	<u> Minnesota</u>	
Name of President	Business	Address
Name of Vice-President	Business	
Address		
Name of Secretary	Business Address	
Name of Treasurer	Business Address	

(NOTE: Signatures shall comply with 1206 of the Specifications.)

NON-COLLUSION AFFIDAVIT

The following Non-Collusion Affidavit shall be executed by the bidder:
State Project No
Federal Project No
State of Minnesota)
) ss
County of)
I,, do state under penalty o
perjury under 28 U.S.C. 1746 of the laws of the United States:
(1) that I am the authorized representative of
(name of person, partnership or corporation submitting this proposal)
and that I have the authority to make this affidavit for and on behalf of said bidder;
(2) that, in connection with this proposal, the said bidder has not either directly or
indirectly entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding;
(3) that, to the best of my knowledge and belief, the contents of this proposal have
not been communicated by the bidder or by any of his/her employees or agents to any person
who is not an employee or agent of the bidder or of the surety on any bond furnished with the
proposal and will not be communicated to any person who is not an employee or agent of the
bidder or of said surety prior to the official opening of the proposal, and
(4) that I have fully informed myself regarding the accuracy of the statements made in this affidavit.
Signed:
(bidder or his authorized representative)

Workforce and Equal Pay Declaration Page

This form is **required for all businesses** executing government contracts under the following:

Select one:		
170 %	tract with State or Metropolita le, \$500,000 (<u>Equal Pay Certific</u>	an agencies in excess of \$100,000 (Workforce ate)
_	-	sota for general obligation bond funded capital , if applicable, \$500,000 (Equal Pay Certificate)
		s for general obligation bond funded capital I, if applicable, \$1,000,000 (<u>Equal Pay Certificate</u>)
Select all that apply:		
We are a Certificate holder		
☐ Workforce Certificate under☐ Equal Pay Certificate under		
We are applying/have appl	ied for the following certi	ficate(s):
	ication date (MM/DD/YYYY): cation date (MM/DD/YYYY):	
We have not applied for on	e or both certificates:	
	if applicable, Equal Pay Certific	Equal Pay Certificate. We acknowledge that a ate, or approved exemption by MDHR is required
We are Exempt and attest t	o MDHR that:	
where you have your prima previous 12 months, the da	ary place of business. MDHR mate of separation, if applicable,	day in the last 12 months in Minnesota or the state ay request the names of our employees during the and the current employment status and count. It from Equal Pay Certificate requirements.
Business Information		
Vendor/Supplier ID	Business Name	Name of Contracting Agency
Authorized Signatory Name	Title	Date
Signature	Email	Phone

For assistance with this form, email the Minnesota Department of Human Rights Compliance.MDHR@state.mn.us

ATTACHMENT A PRIME CONTRACTOR RESPONSE

RESPONSIBLE CONTRACTOR VERIFICATION AND CERTIFICATION OF COMPLIANCE

STATE AID PROJECT NUMBERS: <u>087-601-013, 087-604-018, 087-630-007, 064-646-008, and</u> 087-646-008

This form includes changes by statutory references from the Laws of Minnesota 2015, chapter 64, sections 1-9. This form must be submitted with the response to this solicitation. A response received without this form, will be rejected.

Minn. Stat. § 16C.285, Subd. 7. **IMPLEMENTATION.** ... any prime contractor or subcontractor or motor carrier that does not meet the minimum criteria in subdivision 3 or fails to verify that it meets those criteria is not a responsible contractor and is not eligible to be awarded a construction contract for the project or to perform work on the project...

Minn. Stat. § 16C.285, Subd. 3. **RESPONSIBLE CONTRACTOR, MINIMUM CRITERIA**. "Responsible contractor" means a contractor that conforms to the responsibility requirements in the solicitation document for its portion of the work on the project and verifies that it meets the following minimum criteria:

- (1) The Contractor:
 - (i) is in compliance with workers' compensation and unemployment insurance requirements;
 - (ii) is in compliance with Department of Revenue and Department of Employment and Economic Development registration requirements if it has employees;
 - (iii) has a valid federal tax identification number or a valid Social Security number if an individual; and
 - (iv) has filed a certificate of authority to transact business in Minnesota with the Secretary of State if a foreign corporation or cooperative.
- The contractor or related entity is in compliance with and, during the three-year period before submitting the verification, has not violated section 177.24, 177.25, 177.41 to 177.44, 181.03, 181.101, 181.13, 181.14, or 181.722, and has not violated United States Code, title 29, sections 201 to 219, or United States Code, title 40, sections 3141 to 3148. For purposes of this clause, a violation occurs when a contractor or related entity:
 - (i) repeatedly fails to pay statutorily required wages or penalties on one or more separate projects for a total underpayment of \$25,000 or more within the three-year period, provided that a failure to pay is "repeated" only if it involves two or more separate and distinct occurrences of underpayment during the three-year period;
 - (ii) has been issued an order to comply by the commissioner of Labor and Industry that has become final;
 - (iii) has been issued at least two determination letters within the three-year period by the Department of Transportation finding an underpayment by the contractor or related entity to its own employees;
 - (iv) has been found by the commissioner of Labor and Industry to have repeatedly or willfully violated any of the sections referenced in this clause pursuant to section 177.27;
 - (v) has been issued a ruling or findings of underpayment by the administrator of the Wage and Hour Division of the United States Department of Labor that have become final or have been upheld by an administrative law judge or the Administrative Review Board; or
 - (vi) has been found liable for underpayment of wages or penalties or misrepresenting a construction worker as an independent contractor in an action brought in a court having jurisdiction. Provided that, if the contractor or related entity contests a determination of underpayment by the Department of Transportation in a contested case proceeding, a violation does not occur until the contested case proceeding has concluded with a determination that the contractor or related entity underpaid wages or penalties;*

Revised 2/3/2021 Page **1** of **6**

The contractor or related entity is in compliance with and, during the three-year period before submitting the (3) verification, has not violated section 181.723 or chapter 326B. For purposes of this clause, a violation occurs when a contractor or related entity has been issued a final administrative or licensing order;* (4) The contractor or related entity has not, more than twice during the three-year period before submitting the verification, had a certificate of compliance under section 363A.36 revoked or suspended based on the provisions of section 363A.36, with the revocation or suspension becoming final because it was upheld by the Office of Administrative Hearings or was not appealed to the office;* (5)The contractor or related entity has not received a final determination assessing a monetary sanction from the Department of Administration or Transportation for failure to meet targeted group business, disadvantaged business enterprise, or veteran-owned business goals, due to a lack of good faith effort, more than once during the three-year period before submitting the verification;* * Any violations, suspensions, revocations, or sanctions, as defined in clauses (2) to (5), occurring prior to July 1, 2014, shall not be considered in determining whether a contractor or related entity meets the minimum criteria. (6)The contractor or related entity is not currently suspended or debarred by the federal government or the state of Minnesota or any of its departments, commissions, agencies, or political subdivisions that have authority to debar a contractor: and All subcontractors and motor carriers that the contractor intends to use to perform project work have verified to (7) the contractor through a signed statement under oath by an owner or officer that they meet the minimum criteria listed in clauses (1) to (6).

Minn. Stat. § 16C.285, Subd. 5. SUBCONTRACTOR VERIFICATION.

A prime contractor or subcontractor shall include in its verification of compliance under subdivision 4 a list of all of its first-tier subcontractors that it intends to retain for work on the project. Prior to execution of a construction contract, and as a condition precedent to the execution of a construction contract, the apparent successful prime contractor shall submit to the contracting authority a supplemental verification under oath confirming compliance with subdivision 3, clause (7). Each contractor or subcontractor shall obtain from all subcontractors with which it will have a direct contractual relationship a signed statement under oath by an owner or officer verifying that they meet all of the minimum criteria in subdivision 3 prior to execution of a construction contract with each subcontractor.

If a prime contractor or any subcontractor retains additional subcontractors on the project after submitting its verification of compliance, the prime contractor or subcontractor shall obtain verifications of compliance from each additional subcontractor with which it has a direct contractual relationship and shall submit a supplemental verification confirming compliance with subdivision 3, clause (7), within 14 days of retaining the additional subcontractors.

A prime contractor shall submit to the contracting authority upon request copies of the signed verifications of compliance from all subcontractors of any tier pursuant to subdivision 3, clause (7). A prime contractor and subcontractors shall not be responsible for the false statements of any subcontractor with which they do not have a direct contractual relationship. A prime contractor and subcontractors shall be responsible for false statements by their first-tier subcontractors with which they have a direct contractual relationship only if they accept the verification of compliance with actual knowledge that it contains a false statement.

Subd. 5a. **Motor carrier verification.** A prime contractor or subcontractor shall obtain annually from all motor carriers with which it will have a direct contractual relationship a signed statement under oath by an owner or officer verifying that they meet all of the minimum criteria in subdivision 3 prior to execution of a construction contract with each motor carrier. A prime contractor or subcontractor shall require each such motor carrier to provide it with immediate written notification in the event that the motor carrier no longer meets one or more of the minimum criteria in subdivision 3 after submitting its annual verification. A motor carrier shall be ineligible to perform work on a project covered by this section if it does not meet all the minimum criteria in subdivision 3. Upon request, a prime contractor or subcontractor shall submit to the contracting authority the signed verifications of compliance from all motor carriers providing for-hire transportation of materials, equipment, or supplies for a project.

Revised 2/3/2021 Page **2** of **6**

Minn. Stat. § 16C.285, Subd. 4. VERIFICATION OF COMPLIANCE.

A contractor responding to a solicitation document of a contracting authority shall submit to the contracting authority a signed statement under oath by an owner or officer verifying compliance with each of the minimum criteria in subdivision 3, with the exception of clause (7), at the time that it responds to the solicitation document.

A contracting authority may accept a signed statement under oath as sufficient to demonstrate that a contractor is a responsible contractor and shall not be held liable for awarding a contract in reasonable reliance on that statement. A prime contractor, subcontractor, or motor carrier that fails to verify compliance with any one of the required minimum criteria or makes a false statement under oath in a verification of compliance shall be ineligible to be awarded a construction contract on the project for which the verification was submitted.

A false statement under oath verifying compliance with any of the minimum criteria may result in termination of a construction contract that has already been awarded to a prime contractor or subcontractor or motor carrier that submits a false statement. A contracting authority shall not be liable for declining to award a contract or terminating a contract based on a reasonable determination that the contractor failed to verify compliance with the minimum criteria or falsely stated that it meets the minimum criteria. A verification of compliance need not be notarized. An electronic verification of compliance made and submitted as part of an electronic bid shall be an acceptable verification of compliance under this section provided that it contains an electronic signature as defined in section 325L.02, paragraph (h).

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By signing this document I certify that I am an owner or officer of the company, and I certify under oath that:

- 1) My company meets each of the Minimum Criteria to be a responsible contractor as defined herein and is in compliance with Minn. Stat. § 16C.285, and
- 2) if my company is awarded a contract, I will submit Attachment A-1 prior to contract execution, and
- 3) if my company is awarded a contract, I will also submit Attachment A-2 as required.

Authorized Signature of Owner or Officer:	Printed Name:
Title:	Date:
Company Name:	

NOTE: Minn. Stat. § 16C.285, Subd. 2, (c) If only one prime contractor responds to a solicitation document, a contracting authority may award a construction contract to the responding prime contractor even if the minimum criteria in subdivision 3 are not met.

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ATTACHMENT A-1

FIRST-TIER SUBCONTRACTORS LIST

SUBMIT PRIOR TO EXECUTION OF A CONSTRUCTION CONTRACT

STATE AID PROJECT NUMBERS: $\underline{087\text{-}601\text{-}013}, \underline{087\text{-}604\text{-}018}, \underline{087\text{-}630\text{-}007}, \underline{064\text{-}646\text{-}008}, \underline{and}$

Minn. Stat. § 16C.285, Subd. 5. A prime contractor or subcontractor shall include in its verification of compliance under subdivision 4 a list of all of its first-tier subcontractors that it intends to retain for work on the project. Prior to execution of a construction contract, and as a condition precedent to the execution of a construction contract, the apparent successful prime contractor shall submit to the contracting authority a supplemental verification under oath confirming compliance with subdivision 3, clause (7). Each contractor or subcontractor shall obtain from all subcontractors with which it will have a direct contractual relationship a signed statement under oath by an owner or officer verifying that they meet all of the minimum criteria in subdivision 3 prior to execution of a construction contract with each subcontractor.

Name of city where company

home office is located

Printed Name:

Date:

FIRST TIER SUBCONTRACTOR NAMES*

Authorized Signature of Owner or Officer:

State)

Title:

Company Name:

(Legal name of company as registered with the Secretary of

*Attach additional sheets as needed for submission of al	ll first-tier subcontractors.	•			
SUPPLEMENTAL CERTIFICATION FOR ATTACHMENT A-1					
By signing this document I certify that I am an owner or officer of the company, and I certify under oath that:					
All first-tier subcontractors listed on attachment A-1 have verified through a signed statement under oath by an owner or officer that they meet the minimum criteria to be a responsible contractor as defined in Minn. Stat. 8 16C 285					

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ATTACHMENT A-2

ADDITIONAL SUBCONTRACTORS LIST

PRIME CONTRACTOR TO SUBMIT AS SUBCONTRACTORS ARE ADDED TO THE PROJECT

STATE AID PROJECT NUMBERS: <u>087-601-013, 087-604-018, 087-630-007, 064-646-008, and</u> 087-646-008

This form must be submitted to the Project Manager or individual as identified in the solicitation document.

Minn. Stat. § 16C.285, Subd. 5. ... If a prime contractor or any subcontractor retains additional subcontractors on the project after submitting its verification of compliance, the prime contractor or subcontractor shall obtain verifications of compliance from each additional subcontractor with which it has a direct contractual relationship and shall submit a supplemental verification confirming compliance with subdivision 3, clause (7), within 14 days of retaining the additional subcontractors. ...

ADDITIONAL SUBCONTRACTOR NAMES* (Legal name of company as registered with the Secretary of State)	Name of city where company home office is located

*Attach additional sheets as needed for submiss	*Attach additional sheets as needed for submission of all additional subcontractors.					
SUPPLEMENTAL CERTIFICATION FOR ATTACHMENT	SUPPLEMENTAL CERTIFICATION FOR ATTACHMENT A-2					
By signing this document I certify that I am an owner or officer of the company, and I certify under oath that:						
All additional subcontractors listed on Attachment A-2 have verified through a signed statement under oath by an owner or officer that they meet the minimum criteria to be a responsible contractor as defined in Minn. Stat. § 16C.285.						
Authorized Signature of Owner or Officer: Printed Name:						
Title:	Date:					

Revised 2/3/2021 Page **5** of **6**

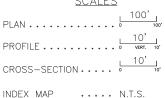
Company Name:	

Revised 2/3/2021 Page **6** of **6**

PLAN SYMBOLS

STATE LINE COUNTY LINE TOWNSHIP OR RANGE LINE SUMARTER LINE SIXTERNIH LINE SIXTER
CORPORATE HIGHWAY CENTER LINE /////// ///////////////////////
TRUNK HIGHWAY CENTER LINE
RETAINING WALL RAILFORD ROY
RAILROAD CROSSING SIGN
RAILROAD CROSSING BELL
ELECTRIC WARNING SIGN
CROSSING GATE
MEANDER CORNER
SPRINGS
MARSH
TIMBER]
ORCHARD TIMBER)
ORCHARD GIMBERS GIMBER
NURSERY J CATCH BASIN
NURSERY J CATCH BASIN FIRE HYDRANT
NURSERY J COUNTY
NURSERY J CATCH BASIN. FIRE HYDRAN1 CATLE GUARD OVERPASS (HIGHWAY OVER)
NURSERY J CATCH BASIN FIRE HYDRAN1 CATLE GUARD OVERPASS (HIGHWAY OVER) UNDERPASS (HIGHWAY UNDER) BRIDGE BUILDING (ONE STORY FRAME) F - FRAME F - FROME C - CONCRETE S - STONE T - TILE
NURSERY J CATCH BASIN. FIRE HYDRAN1 CATHE GUARD OVERPASS (HIGHWAY OVER) UNDERPASS (HIGHWAY UNDER) BRIDGE BUILDING (ONE STORY FRAME) F - FRAME F - STONE F - TOWN F - T
NURSERY J CATCH BASIN
NURSERY J CATCH BASIN. FIRE HTDRANT CATTLE GUARD OVERPASS (HIGHWAY OVER) UNDERPASS (HIGHWAY UNDER) BRIDGE BUILDING (ONE STORY FRAME) F - FRAME C - CONCRETE B - SRICK ST - ILLCOO IRON PIPE OR ROD WOODEN HUB GRAYEL PIT S SAND PIT S S SAND PIT S S SAND PIT S S SAND PIT S S SATURDAN F - SAND F
NURSERY J CATCH BASIN FIRE HYDRANT CATLE GUARD OVERPASS (HIGHWAY OVER) UNDERPASS (HIGHWAY UNDER) BRIDGE BUILDING (ONE STORY FRAME) F - FRAME
NURSERY J CATCH BASIN. FIRE HYDRAN1 CATLE GUARD OVERPASS (HIGHWAY OVER) UNDERPASS (HIGHWAY UNDER) BRIDGE BUILDING (ONE STORY FRAME) 1 - FRAME 1 - FRAME 1 - STONE 1 -
NURSERY J CATCH BASIN FIRE HYDRANT CATTLE GUARD OVERPASS (HIGHWAY OVER) UNDERPASS (HIGHWAY OVER) BRIDGE BUILDING (ONE STORY FRAME) F - FRAME C - CONCRETE B - BRICK ST - STUCCO IFON PIPE OR ROD MONUMENT (STONE, CONCRETE, OR MEATAL) GRAVEL PIT GRAVEL PIT GS BORROW PIT BORROW PIT B GATOR BASIN BORROW PIT B GATOR BASIN B BORROW PIT B B BORROW PIT B B B BORROW PIT B B B B B B B B B B B B B
NURSERY J CATCH BASIN FIRE HYDRANT CATLE GUARD OVERPASS (HIGHWAY OVER) UNDERPASS (HIGHWAY UNDER) BRIDGE BUILDING (ONE STORY FRAME) F - FRAME C - CONCRETE B - BRICK ST - STUCCO MONUMENT (STONE, CONCRETE, OR MEATAL) ORAPE GRAVEL PIT GRAVEL PIT BORROW PIT ROCK QUARRY UTILLITIES SYMBOLS POWER POLE LINE TELEPHONE POLE TELEPHONE TELEPHON
NURSERY J CATCH BASIN. FIRE HYDRAN1 CATHE GUARD OVERPASS (HIGHWAY OVER) UNDERPASS (HIGHWAY UNDER) BRIDGE BUILDING (CNE STORY FRAME) F - FRAME F - C - CONCRETE S - SRICK ST - STUCCO MONUMENT (STONE CONCRETE, OR MEATAL) ORAVEL PIT SAND PIT SOROR PUE GRAVEL PIT SOROR OVER CONCRETE, OR MEATAL) ORAVEL PIT SOROR OVER CONCRETE, OR MEATAL ORAVEL PIT SOROR OVER

SCALES



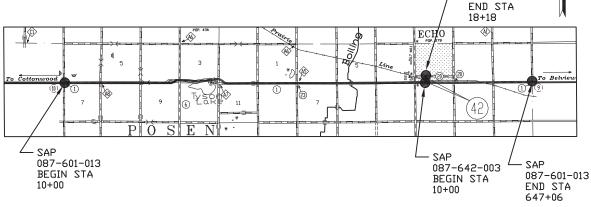
MINNESOTA DEPARTMENT OF TRANSPORTATION MEDICINE COUNTY

OVERLAY, & AGGREGATE SHOULDERING TO EAST COUNTY LINE, LOCATED BETWEEN COTTONWOOD AND BELVIEW (GEOGRAPHICAL DESCRIPTION)

FROM: SW COR. SEC. 6 T113N R39W TD: SE COR. SEC. 1 T113N R38W (LEGAL DESCRIPTION) LOCATED ON CSAH 42 FROM CSAH 1 TO CSAH 20, LOCATED IN ECHO(GEOGRAPHICAL DESCRIPTION) FROM: 1110' E OF SW COR. SEC. 3 T113N R38W N 844.8'(LEGAL DESCRIPTION)

SAP 087-601-013					
GROSS LENGTH 63706.0 FT. 12.066 MI. GROSS LENGTH					
BRIDGE LENGTH 0.00 FT. 0.000 MI. BRIDGE LENGTH					
EXCEPTIONS LENGTH 0.00 FT. 0.000 MI. EXCEPTIONS LENGTH					
NET LENGTH	63706.0 FT.	12.066 MI.	NET LENGTH		

SAP 087-642-003						
GROSS LENGTH 818.0 FT. 0.155 MI. GROSS LENGTH						
BRIDGE LENGTH 0.00 FT. 0.00 MI. BRIDGE LENGTH						
EXCEPTIONS LENGTH 0.00 FT. 0.00 MI. EXCEPTIONS LENGTH						
NET LENGTH 818.0 FT. 0.155 MI. NET LENGTH						



DESIGN DESIGNATION				
	087-601-013	087-642-003		
PROJECT SOIL FACTOR	130%	130%		
ADT (CURRENT YEAR)2025	630 VPD	224 VPD		
ADT (FUTURE YEAR)2025	693 VPD	246 VPD		
T (HEAVY COMMERCIAL)2045	69	25		
DESIGN LOAD	10 T□N	10 T□N		
SHOULDER WIDTH	5′-0 ″	NA		
FUNCTIONAL CLASSIFICATION	MINOR COLLECTOR	MINOR COLLECTOR		
NO. TRAFFIC LANES	2	2		
NO. PARKING LANES	NA	2		
POSTED SPEED	50	30		



087-642-003

GOVERNING SPECIFICATIONS

THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION' SHALL GOVERN.

ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LASTEST EDITION OF THE MINNESOTA MANUAL ON UNIFORM TRAFIC CONTROL DEVICES. INCLUDING THE LATEST FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

STOPPING SIGHT DISTANCE BASED ON: 3.5' HEIGHT OF EYE 2.0' HEIGHT OF OBJECT

INDEX				
SHEET NO. 1	TITLE SHEET			
SHEET NO. 2	QUNANTITIES & STANDARD PLANS			
SHEET NO. 3	TYPICAL SECTIONS			
SHEET NO. 4	TRAFFIC CONTROL PLAN			
THIS PLAN CONTAINS 4 SHEETS				

SIGNATURE TYPED NAME: JEREM

DESIGN ENGINEER: I HEREBY CERTIFY THAT THIS PLAN. SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

DATE 1/7/2025

LICENSE NO. 58376

APPROVED COUNTY ENGINEER

DATE 1/7/2025

Todd Broadwell Broadwell

Digitally signed by Todd

Date: 2025-01-07 13:23:21 -06'00'

DISTRICT STATE ENGINEER
REVIEWED FOR COMPLIANCE WITH STATE-AID RULES AND POLICIES

Digitally signed by Todd

Todd Broadwell Broadwell Date: 2025-01-07 13:24:00 -06'00'

STATE AID ENGINEER APPROVED FOR STATE AID FUNDING

SAP 087-601-013

SHEET 1 OF 4 SHEETS

SAP 087-642-003

SAP 087-601-013/087-642-003			SAP 087-601-013	SAP 087-642-003	TOTAL	
ITEM#	ITEM DESCRIPTION	UNIT	EST QUANT	EST QUANT	QUANT	
2021.501	Mobilization	Lump Sum	0.99	0.01	1	
2221.507	Shoulder Base Aggregate (LV) Class 5 Mod	Cu Yd	7,648	0	7,648	
2232.504	Mill Bituminous Surface (1")	Sq Yd	169,802	2,133	171,935	
2360.509	Type SP 12.5 Wearing Course Mix (2,C)	Ton	28,639	497	29,136	
2563.601	Traffic Control	Lump Sum	0.5	0.5	1.0	
2582.503	24" Solid Line Preform Tape (Ground In)	Lin Ft	72	72	144	
2582.503	4" Broken Line - Multi-Component	Lin Ft	25,470	161	25,631	
2582.503	4" Solid Line - Multi-Component	Lin Ft	24,583	800	25,383	
2582.503	6" Solid Line - Multi-Component	Lin Ft	127,352	1,688	129,040	
2582.518	Pavement Message- Preform Tape (Ground In)	Sq Ft	124	124	248	

BASIS FOR ESTIMATED QUANTITIES

WEARING COURSE MIXTURE(SPWEB230C)

**WEARING COURSE TO BE DESIGNED FOR 3% AIR VOIDS BITUMINOUS MATERIAL FOR MIXTURE - PG 58H-34 113 LBS./ SQ. YD./ INCH OF DEPTH

QUANTITY SHOWN INCLUDES: 655 TONS FOR ENTRANCES

TACK COAT

BITUMINOUS MATERIAL FOR TACK COAT: 0.07 GALS. SQ. YD./LIFT 0.11 GALS. SQ. YD./LIFT ON MILLED SURFACES INCIDENTAL TO BITUMINOUS MIXTURE

AGGREGATE SHOULDERING

AGGREGATE SHOULDER - CLASS 5 MOD - 130% OF INPLACE VOLUME

CY X 1.4 = TONS

QUANTITY SHOWN INCLUDES:

980 C.Y. FOR ENTRANCES

1. MILLING TO BE DONE ON MAINLINE ONLY.

YELLOW MULTI-COMPONENT

(5)(

- 3. WHITE MULTI-COMPONENT AND PREFORM TAPE.
- 4. 100% VIRGIN MATERIAL REQUIRED FOR TOP LIFT ONLY (NO RAP)
- RAILROAD CROSSING TO BE MARKED BY COUNTY.

UTILITY NOTES

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-22, ENTITLED "STANDARD GUIDELINES FOR INVESTIGATING AND DOCUMENTING EXISTING UTILITIES."

THE FOLLOWING STANDARD PLATES, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION, SHALL APPLY ON THIS PROJECT.

STANDARD PLATES			
PLATE DESCRIPTION			
8000 K TEMPORARY CHANNELIZERS			
9000 E	APPROACHES AND ENTRANCES (1:4 SLOPE)		

SAP 087-601-013 SAP 087-642-003 GRAVEL EQUIVALENT

10 TON

REQUIRED: 22

CSAH 1

STA: 10+00 - 167+19 = 28.125 STA: 167+19 - 487+79 = 31.25 STA: 487+79 - 529+52 = 27.875 STA: 529+52 - 647+06 = 28.125

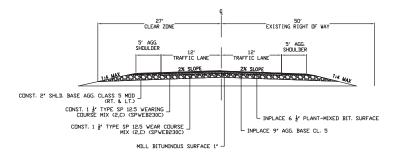
 $\frac{\text{CSAH 42}}{\text{STA: }10+00} - 18+18 = 24.5$

Typical Section

STA: 10+00 - 647+06 CSAH 1 STA: 10+00 - 18+18 CSAH 42

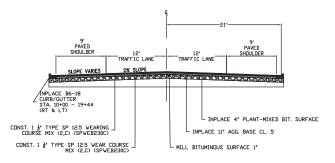
WCL TO CSAH 6 (CSAH 1) CSAH 20 TO ECL (CSAH 1)

STA: 10+00 - 167+19 STA: 529+52 - 647+06



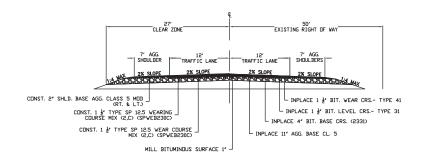
CSAH 1 TO CSAH 20 (CSAH 42)

STA: 10+00 - 18+18



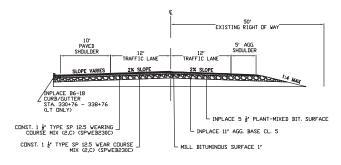
CSAH 6 TO 67 (CSAH 1)

STA: 167+19 - 487+79



67 TO CSAH 20 (CSAH 1)

STA: 487+79 - 529+52



SAP 087-601-013 SAP 087-642-003

Sheet 3 of 4 Sheets

CERTIFIED BY

P.E. LIC. 58376

1/7/2025

TRAFFIC CONTROL

	SIGN OR DEVICE	SIGN NO.	COLOR	SIZE	EST. QUANTITY 2025
А	ROAD WORK AHEAD	W20-1	BLACK ON ORANGE	36" X 36"	27 (4 WITH FLASHERS)
В	ROAD WORK NEXT MILES	G20-1	BLACK ON ORANGE	60" X 24"	12 MILES QTY: 2 (2 WITH FLASHERS)
С	END ROAD WORK	G20-2a	BLACK ON ORANGE	48" X 24"	2
G	<u>(F)</u>	TYPE A FLASHER	YELLOW		6 (INCLUDES 2 FLASHERS PER BARRICADE, AND THE OTHERS SHOWN ABOVE)
F	UNEVEN	W8-11	BLACK ON ORANGE	36" X 36"	6 ALL WILL INCLUDE FLASHERS

NOTES:

ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION OF THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. INCLUDING THE LATEST FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONF LAYOUTS

THE EXACT LOCATION OF TRAFFIC CONTROL DEVICES WILL BE DETERMINED BY THE CONTRACTOR, SUBJECT TO THE APPROVAL OF THE ENGINEER.

ALL TRAFFIC CONTROL DEVICES SHOWN, ON THE "WORK SITE PLAN", THIS SHEET, UNLESS OTHERWISE INDICATED, SHALL BE FURNISHED, INSTALLED, MAINTAINED, REMOVED BY, AND REMAIN PROPERTY OF THE CONTRACTOR.

UNLESS OTHERWISE DIRECTED BY THE ENGINEER, ALL SIGNS SHOWN (EXCEPT BARRICADE MOUNTED SIGNS) SHALL BE FASTENED TO TWO UPRIGHT POST EXTENDED FROM TWO DRIVEN GROUND POST. ALL SIGNS SHALL CONFORM TO THE HEIGHT REQUIREMENTS OF SECTION 2A — 18 OF THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

ALL WARNING SIGNS SHALL HAVE BLACK LETTERS ON ORANGE COLORED, DIAMOND GRADE, RETROFLECTIVE SHEETING. REGULATORY SIGNS SHALL CONFORM IN LETTER SIZE AND COLOR TO THE REQUIREMENTS SPECIFIED IN THE MINNESOTA STANDARD SIGNS MANUAL, INCLUDING THE TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS (FIELD MANUAL).

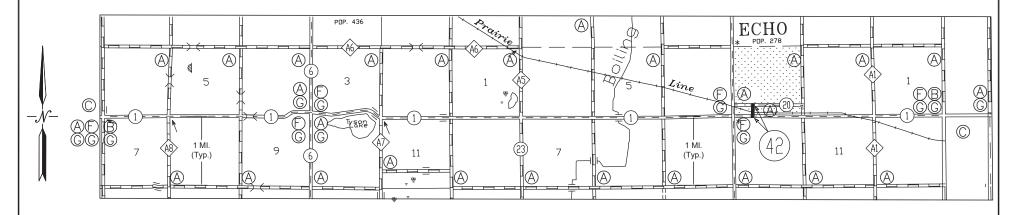
TRAFFIC CONTROL SIGNS MAY BE INSTALLED ON PORTABLE STANDS IN LOCATIONS APPROVED BY THE ENGINEER.

CONSTRUCTION ZONE SIGNING IS ALSO THE RESPONSIBILITY OF THE CONTRACTOR. SIGNS REQUIRED INCLUDE, BUT ARE NOT LIMITED TO, ROAD CONSTRUCTION AHEAD, LOW SHOULDER, DIP, BUMP, FRESH OIL, FLAG PERSON, NUMBER OF SIGNS AND LOCATION DETRINED BY CONTRACTOR'S OPERATION. ALL SIGNS SHALL CONFORM TO THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. INCLUDING THE TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS (FIELD MANUAL).

ALL FLASHERS SHOULD BE ON SIDE NEAREST ROAD.

SIGN DIMENSIONS ARE IN ENGLISH UNITS.

THE SIGNING AND CHANNELIZATION DEVICE TABULATION SHOWN IS FOR INFORMATIONAL PURPOSES. ADDITIONAL SIGNS AND DEVICES SHALL BE PROVIDED, AS REQUIRED, WITH NO ADJUSTMENT IN THE UNIT PRICE BID FOR ITEM "TRAFFIC CONTROL", LUMP SUM.



CERTIFIED BY

1/7/2025

SAP 087-601-013 SAP 087-642-003

SHEET 4 OF 4 SHEETS

PLAN SYMBOLS STATE LINE COUNTY LINE TOWNSHIP OR RANGE LINE SECTION LINE QUARTER LINE SIXTEENTH LINE SIXTEENTH

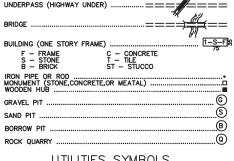
RAILROAD CROSSING SIGN RAILROAD CROSSING BELL ELECTRIC WARNING SIGN CROSSING GATE MEANDER CORNER SPRINGS MARSH TIMBER ORCHARD TIMBER TIMBER

CATCH BASIN FIRE HYDRANT

CATTLE GUARD

OVERPASS (HIGHWAY OVER)

Ewer



UTILITIES SYMBOLS			
POWER POLE LINE		-ò	-
ON POWER POLES		-	_
ON TELEPHONE POLES		Φ	_
ANCHOR		X	ž
GAS MAIN		۰	
TELEPHONE CABLE IN CONDUIT			
ELECTRIC CABLE IN CONDUIT		P	
BURIED TELEPHONE CABLE	T-BUR		
AERIAL TELEPHONE CABLE	T-AE	<u>~</u>	

SCALES

INDEX MAP

PLAN	. 100	100'	
PROFILE	10'	10'	10 0 HOF
CROSS-SECTION	10	10'	

• • • • N.T.S.

MINNESOTA DEPARTMENT OF TRANSPORTATION

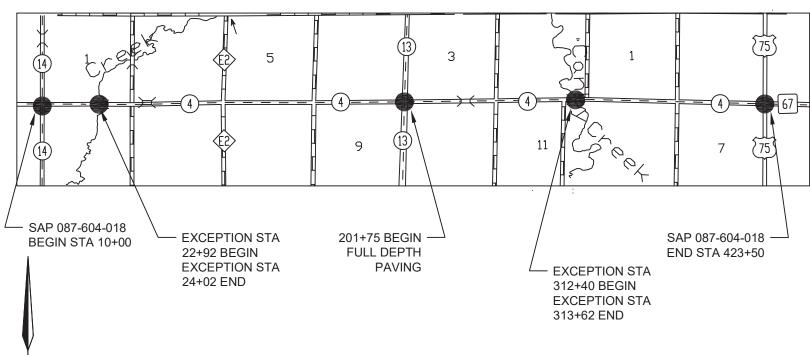
YELLOW MEDICINE COUNTY

CONSTRUCTION PLAN FOR: AGG. BASE, BIT. SURFACING, AND AGG. SHOULDERING

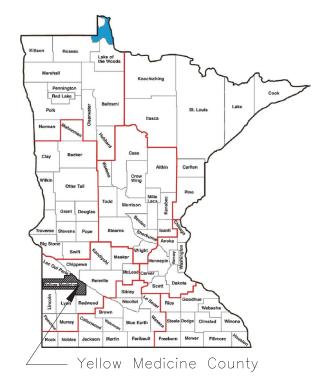
S.A.P 087-604-018

ON CSAH 4 FROM JCT. CSAH 14
EAST 8 MILES TO T.H. 75
FROM: SW CORNER SEC, 1-115-46
TO: SE SEC, 6-115-44
4 MILES NORTH OF CANBY

GROSS LENGTH	41350.000 FT.	7.831 MI.	GROSS LENGTH
BRIDGE LENGTH	122.000 FT.	0.023 MI.	BRIDGE LENGTH
BRIDGE LENGTH	110.000 FT.	0.020 MI.	BRIDGE LENGTH
EXCEPTIONS LENGTH	232.000 FT.	0.044 MI.	EXCEPTIONS LENGTH
NET LENGTH	41118.000 FT.	7.787 MI.	NET LENGTH



DESIGN DESIGNATION		
ASSUMED R-VALUE	10	
ESALS (20 YEAR)	99,000	
ADT (CURRENT YEAR)2024	255 ADT	
ADT (FUTURE YEAR)2044	255 ADT	
T (HEAVY COMMERCIAL)2044	26	
DESIGN LOAD	10 TON	
SHOULDER WIDTH	5'-0"	
FUNCTIONAL CLASSIFICATION	MINOR COLLECTOR	
NO. TRAFFIC LANES	2	
NO. PARKING LANES	NA	
DESIGN SPEED	50 MPH	



GOVERNING SPECIFICATIONS

THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.

ALL TRAFFIC CONTROL DEVICES SHALL
CONFORM TO THE LASTEST EDITION OF THE
MINNESOTA MANUAL ON UNIFORM TRAFIC
CONTROL DEVICES. INCLUDING THE LATEST
FIELD MANUAL FOR TEMPORARY TRAFFIC
CONTROL ZONE LAYOUTS.

GRADED: SAP 087-604-017 (CSAH 4) (2024)

STOPPING SIGHT DISTANCE BASED ON: 3.5' HEIGHT OF EYE 2.0' HEIGHT OF OBJECT

INDEX		
SHEET NO. 1	TITLE SHEET	
SHEET NO. 2	ESTIMATED QUANTITIES	
SHEET NO. 3	TYPICAL SECTIONS	
SHEET NO. 4	TYPICAL SECTIONS	
SHEET NO. 5-7	SWPPP	
SHEET NO. 8	TRAFFIC CONTROL PLAN	
THIS PLAN CONTAINS 8 SHEETS		

SIGNATURE TYPED NAME: JEREMY GILB

DESIGN ENGINEER: I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNIESOTA

DATE 1/7/2025 LICENSE NO. 58376

APPROVED: COUNTY ENGINEER

DATE <u>1/7/2025</u>

Todd Broadwell Broadwell

Digitally signed by Todd Broadwell

DISTRICT STATE ENGINEER
REVIEWED FOR COMPLIANCE WITH STATE-AID RULES AND POLICIES

Todd Broadwell Digitally signed by Todd Broadwell Date: 2025.01.07 13:20:40 -06'00'

STATE AID ENGINEER
APPROVED FOR STATE AID FUNDING

SAP 087-604-018

SHEET 1 OF 8 SHEETS

BASIS FOR ESTIMATED QUANTITIES

	SAP 087-60	4-018		
	ITEM#	ITEM DESCRIPTION	UNIT	TOTAL EST QTY
(11)	2011.601	Construction Surveying	Lump Sum	1
	2021.501	Mobilization	Lump Sum	1
) (3)	2112.604	Surface Preparation	Sq Yd	79534
(9)	2123.510	Common Laborers	Hour	20
(5)	2123.510	Motor Grader	Hour	20
(5)	2123.510	150 HP Tractor	Hour	20
(5)	2123.510	Disk Harrow	Hour	20
(9)	2123.610	Skid Loader	Hour	20
(10)	2211.507	Aggregate Base (LV) Class 5	Cu Yd	14765
	2221.507	Shoulder Base Aggregate (LV), Class 5 Mod	Cu Yd	12233
(8)	2232.504	Mill Bituminous Surface (2")	Sq Yd	56341
(1)	2360.509	Type SP 12.5 Wearing Course Mix (2,C)	Ton	20598
(2)	2360.509	Type SP 19.0 Non Wear Course Mix (2,C)	Ton	9516
	2563.601	Traffic Control	Lump Sum	1
	2573.501	Erosion Control Supervisor	Lump Sum	1
(12)	2574.507	Common Topsoil Borrow	Cu Yd	200
	2574.508	Fertilizer Type 1	Pound	2320
	2575.505	Disk Anchoring	Acre	11.6
	2575.505	Seeding	Acre	11.6
	2575.508	Seed Mixture 25-142	Pound	580
(4)	2575.508	Seed Mixture 25-151	Pound	36
	2575.509	Mulch Material Type 3	Ton	23
(6)	2582.503	24" Solid Line Multi-Component	Lin Ft	24
(7)	2582.503	4" Broken Line Multi-Component	Lin Ft	8335
(7)	2582.503	4" Solid Line Multi-Component	Lin Ft	14464
(6)	2582.503	6" Solid Line Multi-Component	Lin Ft	84250

WEARING COURSE MIXTURE(SPWEB230C)

**WEARING COURSE TO BE DESIGNED FOR 3% AIR VOIDS BITUMINOUS MATERIAL FOR MIXTURE - PG 58H-34 113 LBS./ SQ. YD./ INCH OF DEPTH

QUANTITY SHOWN INCLUDES: 165 TONS FOR ENTRANCES

TACK COAT

BITUMINOUS MATERIAL FOR TACK COAT:
0.07 GALS. SQ. YD./ LIFT
0.11 GALS. SQ. YD./LIFT ON MILLED SURFACES
INCIDENTAL TO BITUMINOUS MIXTURE

AGGREGATE SHOULDERING

CLASS 5 MODIFIED QUANTITY SHOWN INCLUDES: 525 C.Y. FOR ENTRANCES CUBIC YARDS X 1.4 = TONS

NON-WEARING COURSE MIXTURE(SPNWC23C)

BITUMINOUS MATERIAL FOR MIXTURE - PG 58H-34 113 LBS./ SQ. YD./ INCH OF DEPTH

QUANTITY SHOWN INCLUDES: 540 TONS FOR ENTRANCES

AGGREGATE BASE

AGGREGATE BASE - CLASS 5 - 130% OF INPLACE VOLUME CUBIC YARDS X 1.4 = TONS

TOP SOIL

CUBIC YARDS X 1.4 = TONS

TYPE 1 FERTILIZER WITH A COMPOSITION OF 19-19-19 AT A RATE OF 200 LBS/AC

USING SEED MIXTURE 25-142 AT A RATE OF 45 LBS/AC OF PURE LIVE SEED

USING SEED MIXTURE 25-151 AT A RATE OF 200 LBS/AC OF PURE LIVE SEED

CONSTRUCTION NOTES

- 1. 100% VIRGIN MATERIAL REQUIRED FOR TOP LIFT ONLY. (NO RAP)
- 2. ENTRANCES, DRIVEWAYS AND INTERSECTIONS TO BE CUT OUT DEPTH OF PAVEMENT PRIOR TO PAVEMENT AND BE INCIDENTAL.
- 3. THE CENTER 34' SHALL BE SHAPED TO A VERTICAL ALIGNMENT PROVIDED BY THE COUNTY. AGGREGATE BASE CLASS 5 SHALL BE OUT TO INSLOPE AND A MINIMUM OF 8" AND ADDED WHERE INPLACE MATERIAL IS INSLIFERICIENT.
- 4. SEEDING AREAS (25-151) TO BE STAKED OUT BY COUNTY
- 5. EQUIPMENT HOURS SHALL BE USED TO PULL UP SALVAGED TOPSOIL TO FINAL GRADE, AND AS DIRECTED BY ENGINEER.
- 6. WHITE, TO BE STAKED BY COUNTY
- 7. YELLOW, TO BE STAKED BY COUNTY
- . MILLING SHALL BE DONE AT TIE IN AREAS AND AREAS DIRECTED BY COUNTY ENGINEER AND TO BE STAKED BY COUNTY.
- 2. ROCKS SHALL BE PICKED AFTER INSLOPES ARE PULLED UP AND SEEDED. ROCKS TO BECOME PROPERTY OF CONTRACTOR, ROCKS SHALL BE DISPOSED OF OFF SITE AND NOT WITHIN THE ROW. HAULING OFF ROCKS IS INCIDENTAL TO OTHER BID ITEMS.
- 10. ALL FARM ENTRANCES AND INTERSECTIONS SHALL BE SHAPED WITH CLASS 5 MATERIAL.
- 11. MACHINE CONTROL IS REQUIRED FOR THIS PROJECT. MACHINE CONTROL SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 2011.601 CONSTRUCTION SURVEYING. YELLOW MEDICINE COUNTY CAN PROVIDE INFORMATION IN AUTOCAD FORMAT ONLY. THE CONTRACTOR IS RESPONSIBLE FOR CREATING A WORKING MODEL. PLEASE NOTE THAT YELLOW MEDICINE COUNTY BELIEVES THIS ELECTRONIC DATA TO BE ACCURATE BUT DOES NOT GUARANTEE IT. THE DOCUMENTS ORIGINALLY PROVIDED WITH THE CONTRACT REMAIN THE BASIS OF THE CONTRACT, AND THE ELECTRONIC DATA BEING PROVIDED IS FOR INFORMATIONAL USE ONLY IN ORDER TO ASSIST THE CONTRACTOR WITH THE USE OF MACHINE CONTROL/SURVEYING THEREFORE, IF USE OF THIS DATA CAUSES AN ERROR, ANY COSTS TO THE CONTRACTOR IN TIME OR MONEY TO MAKE CORRECTIONS AS A RESULT OF THIS ERROR WILL NOT BE CONSIDERED "EXTRA WORK" AS THAT TERM IS DEFINED IN MNDOT'S "STANDARD SPECIFICATIONS FOR CONSTRUCTION, 2020 EDITION."

CENTURY LINK TELEPHONE-

1/7/2025

12. COMMON TOPSOIL BORROW SHALL BE USED IN AREAS WHERE THERE IS INSUFFICIENT TOPSOIL AS APPROVED BY THE ENGINEER.

THE FOLLOWING STANDARD PLATES, APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION, SHALL APPLY ON THIS PROJECT.

STANDARD PLATES				
PLATE	DESCRIPTION			
8000 K	TEMPORARY CHANNELIZERS			
9000 E	APPROACHES AND ENTRANCES (4:1 SLOPE)			

UTILITY NOTES

CERTIFIED BY

SAP 087-604-018

4-018 | Sheet 2 of 8 Sheets

- 1-800-252-1166

GRAVEL EQUIVALENT

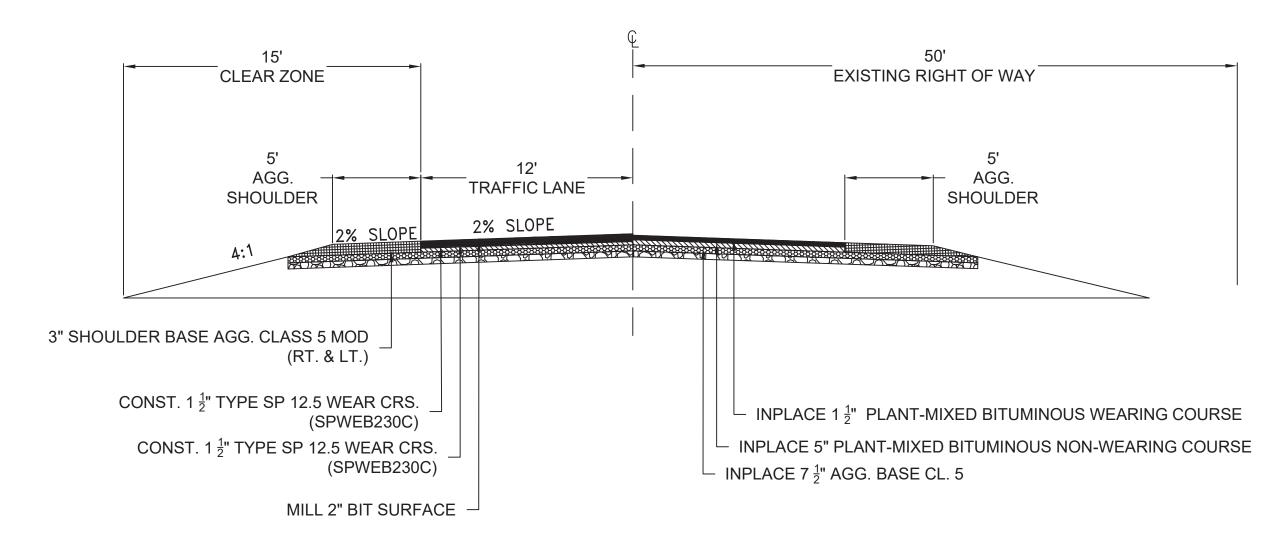
201+75 - 423+50

10 TON

REQUIRED: 22.0 PLAN: 24.375

Typical Section Mill Overlay

STA: 10+00 - 201+75
EXCEPTION STA
22+92 BEGIN
EXCEPTION STA
24+02 END



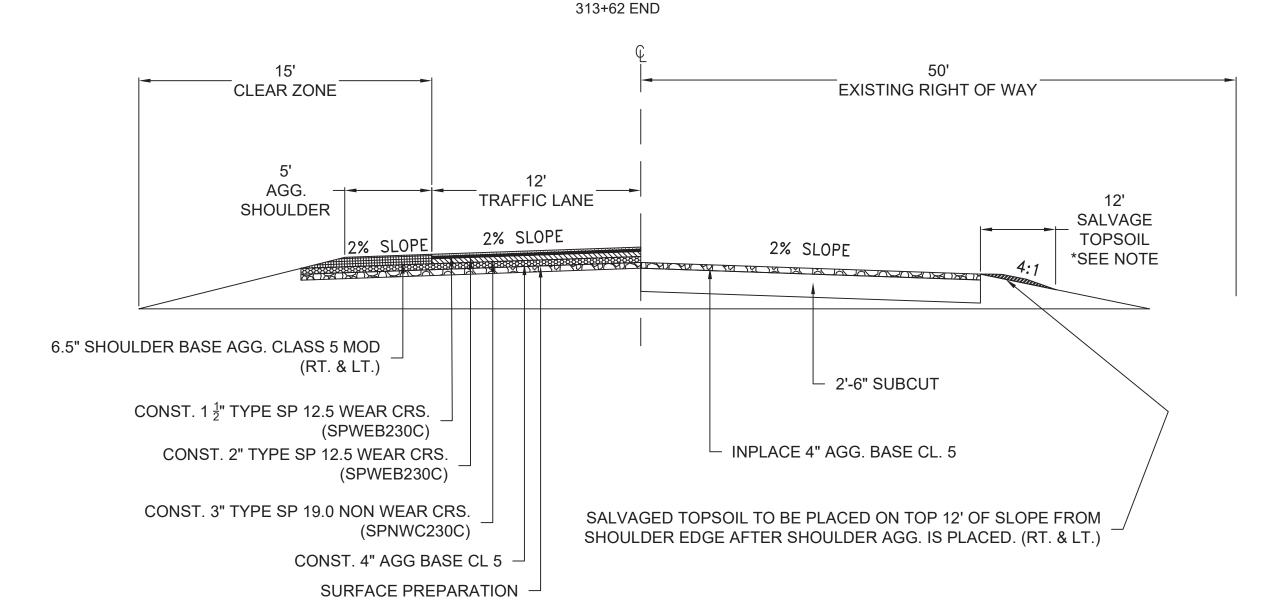
GRAVEL EQUIVALENT

201+75 - 423+50

10 TON

REQUIRED: 22.0 PLAN: 22.625 Typical Section Full Depth Paving

STA: 201+75 - 423+50 EXCEPTION STA 312+40 BEGIN EXCEPTION STA



*EXCESS TOPSOIL HAS BEEN PREVIOUSLY PLACED ON THE UPPER 12' OF INSLOPE. BID ITEMS FOR EQUIPMENT HOURS ARE INCLUDED TO MOVE THIS TOPSOIL ONTO THE NEWLY PLACED AGGREGATE SHOULDERS. 3" MIN. TOPSOIL DEPTH IS THE INTENDED FINAL THICKNESS ALONG THE INSLOPE.

LAZARUS CREEK (CANBY CREEK) ARE LISTED AS AN IMPARED WATER.

APPLICANT: YELLOW MEDICINE COUNTY HIGHWAY DEPARTMENT

PROJECT NAME: CSAH 4 AGGREGATE SURFACING AND BITUMINOUS

APPLICATION DATE: TBD

NATURE OF CONSTRUCTION ACTIVITY DESCRIPTION:	
THE PROPOSED SITE CONSISTS OF THE FOLLOWING SOILS:	
TERRIL LOAM, 2 TO 6 PERCENT SLOPES	0.1%
WEBSTER CLAY LOAM, 0 TO 2 PERCENT SLOPES	7.09
DICKMAN SANDY LOAM, 2 TO 6 PERCENT SLOPES	10.6%
ENGLAND LOAM, 0 TO 2 PERCENT SLOPES	7.6%
MARYSLAND CLAY LOAM	10.79
OLDHAM SILTY CLAY LOAM	0.19
MALACHY LOAM	2.2%
AMIRET LOAM, 2 TO 6 PERCENT SLOPES	14.49
SEAFORTH LOAM, 1 TO 3 PERCENT SLOPES	3.0%
DU PAGE LOAM, OCCASIONALLY FLOODED	1.3%
CALCO-DU PAGE COMPLEX	1.79
AMIRET-SWANLAKE LOAM, 2 TO 6 PERCENT SLOPES	6.89
STORDEN-VES COMPLEX, 6 TO 10 % SLOPES, MODERATELY ERODED	0.2%
STORDEN-VES COMPLEX, 10 TO 16 % SLOPES, MODERATELY ERODED	0.2%
DU PAGE-MCINTOSH VARIANT LOAMS	0.0%
BURR-CALCO SILTY CLAY LOAMS	19.1%
CANISTEO CLAY LOAM, 0 TO 2 PERCENT SLOPES	13.9%
NORMAINIA LOAM, 1 TO 3 PERCENT SLOPES	1.09

THE EXISTING AND PROPOSED DRAINAGE AREAS WILL REMAIN THE SAME FOR EXISTING AND PROPOSED CONDITIONS.

CONSTRUCTION ACTIVITY WILL CONSIST OF ROAD BASE CONSTRUCTION, AND BITUMINOUS PLACEMENT

THE PROJECT WILL BE STARTED JUNE 2025, WITH CONSTRUCTION BEING

TOTAL DISTURBED AREA WITHIN PROJECT AREAS ARE AS FOLLOWS PROJECT DISTURBED AREA = 28.13 AC

NAME OF PERSON WITH BMP EXPERIENCE WHO WILL OVERSEE SWPPP IMPLEMENTATION AND COORDINATE WITH CONTRACTOR:
TBD AND DOCUMENTED IN THIS SWPPP NARRATIVE PRIOR TO START OF

PERSON, ORGANIZATION, OR ENTITY RESPONSIBLE FOR LONG TERM MAINTENANCE OF PERMANENT STORMWATER TREATMENT SYSTEM: NO PERMANENT TREATMENT SYSTEMS IN THIS PROJECT. INCREASE IN IMPERVIOUS AREA IS LESS THAN ONE ACRE.

DOCUMENTATION OF ALL TRAINED INDIVIDUALS:

SWPPP PREPARER:

COMPANY: YELLOW MEDICINE COUNTY

NAME: TONY SATHER

ADDRESS: 1320 13TH ST

CITY, STATE ZIP: GRANITE FALLS, MN 56241

TONY.SATHER@CO.YM.MN.GOV

TRAINING ORGANIZATION/SPONSOR:

TRAINING ACTIVITY/CONTENT:

INSTRUCTOR(S) NAME(S):

320-313-3000 PHONE:

TRAINING ORGANIZATION/SPONSOR: U OF M DESIGN OF CONSTRUCTION SWPPP

TRAINING DATE: 1/17/23 - 5/2/23

TRAINING ACTIVITY/CONTENT: SWPPP DESIGN

INSTRUCTOR(S) NAME(S): DEPT. OF BIOPRODUCTS AND BIOSYSTEMS

PHONE

TRAINING DATE(S)

INDIVIDUAL OVERSEEING IMPLEMENTATION OF, REVISING AND/OR AMENDING
THE SWPPP THAT ARE AVAILABLE FOR AN ONSITE INSPECTION WITHIN 72
HOURS UPON REQUEST OF MPCA: TBD AND DOCUMENTED IN THIS SWPPP NARRATIVE PRIOR TO START OF CONSTRUCTION. COMPANY NAME: ADDRESS CITY, STATE ZIP EMAIL:

INDIVIDUAL OVERSEEING IMPLEMENTATION OF, REVISING AND/OR AMENDING THE SWPPP: TBD AND DOCUMENTED IN THIS SWPPP NARRATIVE PRIOR TO START OF CONSTRUCTION. ADDRESS CITY, STATE ZIP **EMAIL** PHONE TRAINING ORGANIZATION/SPONSOR: TRAINING DATE(S): TRAINING ACTIVITY/CONTENT:

INDIVIDUAL PERFORMING OR SUPERVISING THE INSTALLATION, MAINTENANCE AND REPAIR OF BMPS: TBD AND DOCUMENTED IN THIS SWPPP NARRATIVE PRIOR TO START OF CONSTRUCTION. COMPANY NAME: ADDRESS CITY, STATE ZIP FMAII · PHONE: TRAINING ORGANIZATION/SPONSOR: TRAINING ACTIVITY/CONTENT: INSTRUCTOR(S) NAME(S):

INSTALLATION TIMING OF EROSION PREVENTION AND SEDIMENT CONTROL BMPS:

EROSION AND SEDIMENT CONTROL BMP'S MUST BE INSTALLED AS NECESSARY TO MINIMIZE EROSION FROM DISTURBED SURFACES AND CAPTURE SEDIMENT ONSITE. ALL BMP'S MUST CONFORM TO MNR100001 PERMIT 2023 REFERENCE 7, 8 AND 9 OF THE NPDES PERMIT.

TEMPORARY EROSION CONTROL BMPS.

INSTRUCTOR(S) NAME(S):

THE GENERAL CONTRACTOR IS RESPONSIBLE FOR THE EROSION PREVENTION PRACTICES CONTAINED IN MNR100001 PERMIT 2023 REFERENCE SECTION 8 OF THE NPDES PERMIT. THE GENERAL CONTRACTOR MUST PLAN FOR AND IMPLEMENT APPROPRIATE CONSTRUCTION PHASING VEGETATIVE BUFFER STRIPS, HORIZONTAL SLOPE GRADING AND OTHER CONSTRUCTION PRACTICES THAT MINIMIZE EROSION. THE LOCATION OF AREAS NOT TO BE DISTURBED MUST BE DELINEATED (MARKED) ON THE DEVELOPMENT SITE BEFORE WORK BEGINS.

EXAMPLES OF TEMPORARY EROSION CONTROL BMPS *POLY COVER STOCKPILE OR SLOPE

*CONSTRUCTION PHASING

PHASING MUST BE IMPLEMENTED TO ENSURE THAT MORE LAND THAN CAN BE EFFECTIVELY INSPECTED AND MAINTAINED IN ACCORDANCE WITH THE MNR100001 PERMIT IS NOT DISTURBED

SEQUENCE OF CONSTRUCTION:

ENERGY DISSIPATION

- 1. INSTALL STABILIZED CONSTRUCTION EXITS
- 2. PREPARE TEMPORARY PARKING, STORAGE AND STAGING AREA
- 3. CONSTRUCT THE SILT FENCES AT
- DOWNGRADIENT PERIMETER LOCATIONS 4. REMOVE EXISTING BITUMINOUS
- 5. REPLACE CENTERLINE AND APPROACH CULVERTS, INSTALL INLET PROTECTION AND
- 6. STRIP TOPSOIL. REMOVE AND RECONSTRUCT SUB CUT, GRADE DITCHES AND ROAD SLOPES, REPLACE TOPSOIL, SEED AND STABILIZE EXPOSED SOILS WITHIN 7 TO 14 DAY STABILIZATION WINDOW (TOPSOIL STOCKPILES NOT REPLACED WITHIN 7 TO 14 DAY STABILIZATION WINDOW WILL NEED TO BE STABILIZED AND HAVE AN EFFECTIVE SEDIMENT CONTROL ON THE DOWNGRADIENT STOCKPILE PERIMETER)
- INSTALL AND MAINTAIN RAPID STABILIZATION, METHOD 3, AS NEEDED OR INSTALL PERENNIAL COVER.
- CONSTRUCT 4" AGGREGATE BASE
- CONSTRUCT BITUMINOUS NON-WEAR AND WEARING COURSE
- 10. CONSTRUCT 3" AGGREGATE SHOULDER
- REMOVE SYNTHETIC SEDIMENT CONTROL BMPS ONCE PERMANENT PERENNIAL VEGETATIVE COVER IS ESTABLISHED

*DISC ANCHORED STRAW

MNDOT REFERENCE:

- > DISC ANCHORING SHALL BE DONE AS APPROPRIATE ACCORDING TO THE PLAN INCLUDED IN THIS SWPPP
- ▶ DISK ANCHOR TYPE 1 TYPE 3 OR TYPE 8 MUI CHES WITH A DISK ANCHORING TOOL AS REQUIRED BY THE CONTRACT IMMEDIATELY AFTER PLACEMENT UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- > DISK ANCHORING SHALL BE INSTALLED AS PER MNDOT SPEC. 2575.3.D.

*ROLLED EROSION CONTROL PRODUCTS

THE CONTRACTOR MUST MINIMIZE THE NEED FOR

DISTURBANCE OF PORTIONS OF THE PROJECT THAT HAVE STEEP SLOPES (3:1 OR STEEPER). FOR THOSE SLOPED AREAS WHICH MUST BE DISTURBED, THE CONTRACTOR MUST USE TECHNIQUES SUCH AS PHASING AND STABILIZATION PRACTICES DESIGNED FOR STEEP SLOPES, SUCH AS DRAINING AND TERRACING, SLOPES STEEPER THAN 3:1 MUST BE PROTECTED BY EROSION CONTROL BLANKETS.

- > ROLLED EROSION CONTROL PRODUCTS SHALL BE PLACED IN THE AREAS AS SHOWN ON THE PLAN INCLUDED IN THIS SWPPP.
- > ROLLED EROSION CONTROL PRODUCTS SHALL BE EROSION CONTROL BLANKETS, TURF REINFORCEMENT MATS. OR WINTER BLANKETS ACCORDING TO PLAN. MATERIALS SHALL MEET THE REQUIREMENTS OF MNDOT SPEC. 3885.
- ROLLED EROSION CONTROL PRODUCTS SHALL BE PLACED AS PER MNDOT SPEC. 2575.3.G.

*WOOD CHIPS *VEGETATION

MNDOT REFERENCE:

- > PROTECT AND PRESERVE VEGETATION PER THE REQUIREMENTS OF MNDOT SPEC. 2572.3.A
- > BEFORE WORK BEGINS, PERMITTEES MUST DELINEATE THE LOCATION OF AREAS NOT TO BE

ALL DISTURBED SOIL AREAS SHALL BE TEMPORARILY MULCHED WITH RAPID STABILIZATION, METHOD 3, INITIATED IMMEDIATELY. WHEN THE AREA WILL NOT ACTIVELY BE WORKED FOR 14 DAYS (OR 7 DAYS PER 3884, STABILIZED FIBER MATRIX, PLACED AT 330 LB.

PER 1000 GAL. OF SLURRY MIX. SEED MIXTURE 22-111 PLACED AT A RATE OF 10 LB.

PER 1 000 GAL OF SLURRY MIX TYPE 3 SLOW-RELEASE FERTILIZER 10-10-10 PLACED AT A RATE OF 50 LB. PER 1000 GAL. OF SLURRY MIX. WATER PLACED AT A RATE OF 875-GAL PER 1,000 GAL OF SLURRY MIX.

APPLY MIXTURE AT A RATE OF 6000 GAL PER ACRE. MNDOT REFERENCE:

- > MULCH SHALL BE PLACED IN THE AREAS AS SHOWN ON THE PLAN INCLUDED IN THIS SWPPF
- > MULCH SHALL BE TEMPORARY, TYPE 1, TYPE 3, TYPE 4, TYPE 5, TYPE 6, TYPE 7, TYPE 8, TYPE 9, WINTER, OR HYDRAULIC MULCH ACCORDING TO PLAN. MATERIALS SHALL MEET THE REQUIREMENTS OF MNDOT SPEC. 3882 OR MNDOT SPEC. 3884.
- \succ MULCH SHALL BE APPLIED AS PER MNDOT SPEC. 2575.3.C OR MNDOT SPEC. 3575.3.E.

TEMPORARY SEDIMENT CONTROL BMPS
THE GENERAL CONTRACTOR IS RESPONSIBLE FOR THE SEDIMENT CONTROL PRACTICES CONTAINED IN MNR100001 PERMIT 2023 REFERENCE 9 OF THE NPDES PERMIT. SEDIMENT CONTROL PRACTICES MUST BE INSTALLED ON ALL DOWN GRADIENT PERIMETERS BEFORE ANY UPGRADIENT LAND DISTURBING ACTIVITIES BEGIN. THESE PRACTICES MUST REMAIN IN PLACE UNTIL PERMIT TERMINATION CONDITIONS HAVE BEEN ESTABLISHED IN ACCORDANCE WITH MNR100001 PERMIT 2023 REFERENCE 13 OF THE NPDES PERMIT.

EXAMPLES OF TEMPORARY SEDIMENT CONTROL BMPS *SILT FENCE

MNDOT REFERENCE:

- > SILT FENCE SHALL BE PLACED IN THE AREAS AS SHOWN ON THE PLAN INCLUDED IN THIS SWPPP
- > SILT FENCE SHALL BE PREASSEMBLED, MACHINE SLICED, HAND INSTALLED, SUPER DUTY, OR TURBIDITY BARRIER TYPE, ACCORDING TO PLAN MATERIALS SHALL MEET THE REQUIREMENTS OF MNDOT SPEC, 3886
- \succ SILT FENCE SHALL BE INSTALLED AS PER MNDOT SPEC 2573.3 B

*SEDIMENT CONTROL LOGS

MNDOT REFERENCE

- > SEDIMENT CONTROL LOGS SHALL BE PLACED IN THE AREAS AS SHOWN ON THE PLAN INCLUDED IN THIS
- SEDIMENT CONTROL LOGS SHALL BE TYPE STRAW, WOOD FIBER, COIR, WOOD CHIP, COMPOST, ROCK, OR WOOD FIBER AND BLANKET SYSTEMS AND MEET THE REQUIREMENTS OF MNDOT SPEC, 3897.
- > SEDIMENT CONTROL LOGS SHALL BE INSTALLED AS PER MNDOT SPEC. 2573.3.F.

SILT FENCE OR WINDROWED TOPSOIL WILL BE USED AS THE PRIMARY CONTROL. SEDIMENT CONTROL LOGS WILL BE USED AS SECONDARY CONTROL ALONG EACH SIDE OF ROADWAY AT ALL LOW POINTS AND AREAS OF HIGH VELOCITY DRAINAGE TO PREVENT SEDIMENT FROM DRAINING OFF ROADWAY

MNDOT REFERENCE:

- > FILTER BERMS SHALL BE PLACED IN THE AREAS AS SHOWN ON THE PLAN INCLUDED IN THIS
- FILTER BERMS SHALL BE TYPE 1, 2, 3, 4, OR 5 MATERIALS SHALL MEET THE REQUIREMENTS OF MNDOT SPEC. 3874.
- > FILTER BERMS SHALL BE INSTALLED AS PER MNDOT SPEC. 2573.3.E

*BALE BARRIERS

MNDOT REFERENCE

- > BALE BARRIERS SHALL BE PLACED IN THE AREAS AS SHOWN ON THE PLAN INCLUDED IN THIS SWPPP.
- > BALE BARRIERS SHALL BE INSTALLED AS PER MNDOT SPEC. 2573.3.C.

*ROCK DITCH CHECK

*SEDIMENT CONTROL LOG DITCH CHECK

*ROCK / COMPOST LOG INLET PROTECTION *SILT FENCE RING AND ROCK FILTER BERM INLET

*SLASH MULCH, CRUSHED ROCK, OR SHEET PAD CONSTRUCTION EXIT

ROCK CONSTRUCTION EXITS SHALL BE PLACED AT ALL LOCATIONS CONSTRUCTION VEHICLES WILL BE EXITING THE PROJECT AREA ONTO PAVED ROADS. THE CONTRACTOR CHOOSES TO ACCESS THE SITE FROM LOCATIONS OTHER THAN WHERE TEMPORARY ROCK CONSTRUCTION EXITS ARE SHOWN ON THE PLAN, ADDITIONAL CONSTRUCTION EXIT CONTROLS SHALL BE PLACED AT THESE LOCATIONS AS WELL. IF SEDIMENT TRACKING IS DISCOVERED ON ADJACENT PAVED ROADS, THE SEDIMENT SHALL BE REMOVED WITH A STREET SWEEPER OR OTHER APPROVED METHOD WITHIN ONE CALENDAR DAY OF DISCOVERY THIS SHALL BE DONE THROUGHOUT THE DURATION OF THE PROJECT. THE SEDIMENT MAY BE RETURNED TO THE EXPOSED AREAS OF THE SITE OR DISPOSED OF OFFSITE AS PER MPCA REQUIREMENTS. MNDOT REFERENCE:

- > CONSTRUCTION EXIT CONTROLS SHALL BE PLACED IN THE AREAS AS SHOWN ON THE PLAN INCLUDED IN
- > CONSTRUCTION EXIT CONTROLS SHALL BE CONSTRUCTED WITH SLASH MULCH, CRUSHED ROCK, TEMPORARY PAVING, REINFORCED GEOTEXTILE, SHEET PADS, FLOATING ROAD, TIMBER PAD. OR RUMBLE PAD.
- > CONSTRUCTION EXIT CONTROLS SHALL BE INSTALLED AS PER MNDOT SPEC. 2573.3.K.

*RUMBLE PAD CONSTRUCTION EXIT

*CULVERT END CONTROLS MNDOT REFERENCE:

- > CULVERT END CONTROLS SHALL BE PLACED IN THE AREAS AS SHOWN ON THE PLAN INCLUDED IN THIS
- SWPPP. > CULVERT END CONTROLS SHALL BE INSTALLED AS PER MNDOT SPEC. 2573.3.L.

*STORM DRAIN AND TILE INLET PROTECTION

MNDOT REFERENCE:

- > STORM DRAIN INLET PROTECTION SHALL BE PLACED IN THE AREAS AS SHOWN ON THE PLAN INCLUDED IN THIS SWPPP
- > STORM DRAIN INLET PROTECTION SHALL BE INSTALLED AS PER MNDOT SPEC. 2573.3.M. *SEDIMENT CONTROL LOG WEIR CULVERT INLET

*WOOD PLANK WEIR CULVERT INLET PROTECTION

- *GEOTEXTILE FABRIC CULVERT INLET PROTECTION
 - > GEOTEXTILE FABRIC CULVERT INLET PROTECTION SHALL BE PLACED IN THE AREAS AS SHOWN ON THE PLAN INCLUDED IN THIS SWPPP.
- > GEOTEXTILE FABRIC CULVERT INLET PROTECTION SHALL MEET REQUIREMENTS OF MNDOT SPEC. 3886

GEOTEXTILE FABRIC CULVERT INLET PROTECTION A). CULVERT INLET PROTECTION SHALL BE PROVIDED AT ALL CULVERT INLET LOCATIONS

IMMEDIATELY AFTER CONSTRUCTION OF THE CULVERT. SEE PLAN INCLUDED IN THIS SWPPE FOR CULVERT INLET LOCATIONS. B). CULVERT INLET PROTECTION SHALL CONSIST OF GEOTEXTILE FABRIC WRAPPED AROUND, AND COMPLETELY COVERING THE INLET END SECTION. THE GEOTEXTILE FABRIC SHALL BE THE SAME FABRIC USED IN SILT FENCE APPLICATIONS AND MEET THE REQUIREMENTS OF MNDOT SPEC. 3886. C). THE CULVERT INLET PROTECTION SHALL REMAIN IN PLACE AND ADEQUATELY MAINTAINED UNTIL PERMIT TERMINATION CONDITIONS HAVE BEEN ESTABLISHED.

D). CULVERT INLET PROTECTION SHALL BE RÉPAIRED OR REPLACED IF DAMAGED DURING, OR AFTER, RAIN EVENTS, OR IF ACCUMULATED SEDIMENT REACHES 1/2 OF THE DIAMETER OF THE CULVERT PIPE. REPAIR OR REPLACEMENT OF CULVERT INLET PROTECTION SHALL BE COMPLETED WITHIN 24 HOURS OF DISCOVERY

*TEMPORARY SEDIMENT BASINS

CONTRACTOR MAY CONSTRUCT TEMPORARY SEDIMENTATION BASINS IN ACCORDANCE WITH MNR100001 PERMIT 2023 REFERENCE 14 OF THE NPDES PERMIT.

*TEMPORARY DIVERSION DITCH

MEASURES SHOULD BE TAKEN TO ENSURE THAT "CLEAN" RUNOFF FROM OFF SITE IS DIVERTED AROUND DISTURBED AREAS ON SITE. CARE SHOULD BE TAKEN THAT RE-ROUTING OFF SITE RUNOFF DOES NOT RESULT IN FLOODING OR OTHER ISSUES ON ADJACENT PROPERTIES

PERMANENT EROSION COVER METHODS FOR ALL EXPOSED SOIL AREAS:

- BITUMINOUS RIP RAP
- PERENNIAL COVER

PERMANENT EROSION CONTROL WILL BE ACHIEVED WITH A DENSITY OF 70% OF THE NATIVE BACKGROUND VEGETATION BY USING SEED MIXTURE 25-142 AT A RATE OF 45 LBS/AC OF PURE LIVE SEED TYPE 1 FERTILIZER WITH A COMPOSITION OF 19-19-19 AT A RATE OF 200 LBS/AC, OR SEED MIXTURE 25-151 AT A RATE OF 200 LBS/AC OF PURE LIVE SEED, TYPE 1 FERTILIZER WITH A COMPOSITION OF 19-19-19 AT A RATE OF 200 LBS/AC AND HYDRAULIC SOIL STABILIZER, TYPE 5 AT A RATE OF 2100 LBS/AC, OR DISC ANCHORED STRAW MULCH, OR EROSION CONTROL BLANKET ON ALL DISTURBED CONSTRUCTION AREAS PER PLAN.

STORMWATER MITIGATION MEASURES PROPOSED AS PART OF ENVIRONMENTAL, ENDANGERED SPECIES, ARCHAEOLOGICAL OR OTHER REQUIRED LOCAL, STATE OR FEDERAL REVIEWS CONDUCTED BY THE PROJECT. THERE WERE NO LOCAL, STATE OR FEDERAL ENVIRONMENTAL, ENDANGERED SPECIES, OR ARCHAEOLOGICAL REVIEWS REQUIRED FOR THIS PROJECT

DISCHARGES TO ANY U.S. EPA APPROVED TMDL FOR THE POLLUTANTS/STRESSORS DESCRIBED IN MNR100001 PERMIT 2023 REFERENCE ITEM 23.7

CSAH 4 CROSSES LAZARUS CREEK AT STA. 111+25. MNR10001 PERMIT REFERENCE 23.9 (STABILIZATION OF EXPOSED SOIL AREAS INITIATED

PERMANENT STORMWATER TREATMENT SYSTEM: THE INCREASE IN IMPERVIOUS AREA IS LESS THAN ONE ACRE. THERE IS NO PERMANENT STORMWATER TREATMENT PLANNED FOR THIS PROJECT.

PROCEDURES TO AMEND SWPPP: THE GENERAL CONTRACTOR MUST AMEND THE SWPPP AS NECESSARY TO INCLUDE ADDITIONAL REQUIREMENTS, SUCH AS ADDITIONAL OR MODIFIED BMP'S, DESIGNED TO CORRECT PROBLEMS OR ADDRESS SITUATIONS IN ACCORDANCE WITH MNR100001 PERMIT 2023 REFERENCE 6 OF THE NPDES PERMIT

AMENDMENTS TO THE SWPPP:

DATE

- DATE
- DATE
- METHODS TO MINIMIZE SOIL COMPACTION AND TO PRESERVE TOPSOIL: THE GENERAL CONTRACTOR SHALL MINIMIZE COMPACTION AND PRESERVE TOPSOIL AS MUCH AS POSSIBLE AT THE SITE. IN PERVIOUS "GREEN" AREAS THAT ARE NOT ESSENTIAL TO THE CONSTRUCTION OF THE PROJECT, THE GENERAL CONTRACTOR SHALL AVOID CONSTRUCTION TRAFFIC AND MAINTAIN THE EXISTING CONDITION OF

STORMWATER CONTROL DESIGN: THE INCREASE IN IMPERVIOUS AREA IS LESS THAN ONE ACRE. THERE IS NO PERMANENT STORMWATER TREATMENT PLANNED FOR THIS PROJECT.

CHEMICAL TREATMENT SYSTEMS TO ENHANCE SEDIMENTATION: THERE IS NO CHEMICAL TREATMENT TO ENHANCE SEDIMENTATION ANTICIPATED

FOR THIS PROJECT. FLOCCULANTS

MNDOT REFERENCE:

- > FLOCCULANTS SHALL BE APPLIED AS SPECIFIED ON THE PLAN INCLUDED IN THIS SWPPP.
- LIQUID, STOCK, OR GRANULAR FLOCCULANT SHALL BE USED AND MEET REQUIREMENTS OF MNDOT SPEC. 3898.
- > FLOCCULANTS SHALL BE INSTALLED AS PER MNDOT SPEC. 2573.3.N.

YELLOW MEDICINE COUNTY - CSAH 4 SAP 087-604-018 SHEET 5 OF 8 SHEETS

MPERVIOUS SURFACES PRE- AND POST-CONSTRUCTION:

EXISTING IMPERVIOUS = 16 53 AC PROPOSED IMPERVIOUS AREA = 16.53 AC

INFEASIBILITY DOCUMENTATION REQUIREMENTS: N/A

SITE ASSESSMENTS FOR GROUNDWATER OR SOIL

CONTAMINATION: NO SITE ASSESSMENTS WERE MADE FOR GROUNDWATER OR SOIL CONTAMINATION DUE TO NO PERMANENT STORMWATER TREATMENT PLANNED FOR THE

TABULATED QUANTITIES:

ITEM

EST. QUANT.

Mulch

23 Ton

CONSTRUCTION ACTIVITY REQUIREMENTS:

EROSION PREVENTION MEASURES

- EXPOSED SOILS (INCLUDING STOCKPILES) HAVE EROSION PROTECTION/COVER INITIATED IMMEDIATELY AND COMPLETED WITHIN 14 DAYS (OR 7 DAYS PER SECTION 23).
- FOR DNR PUBLIC WATERS WITH "WORK IN WATERS RESTRICTIONS" DURING SPECIFIED FISH SPAWNING TIME FRAMES, STABILIZATION MUST BE COMPLETED FOR ALL EXPOSED SOIL AREAS WITHIN 200 FEET OF THE WATER'S EDGE. AND DRAINING TO THE WATER. WITHIN 24 HOURS DURING THE RESTRICTION PERIOD.
- THE WETTED PERIMETER OF THE LAST 200 LINEAR FEET OF DITCHES MUST BE STABILIZED WITHIN 24 HOURS OF CONNECTING TO A SURFACE WATER OR PROPERTY LINE.
- TEMPORARY OR PERMANENT DITCHES OR SWALES THAT ARE BEING USED AS A SEDIMENT CONTAINMENT SYSTEM DURING CONSTRUCTION MUST BE STABILIZED. WITHIN 24 HOURS AFTER NO LONGER BEING USED AS A SEDIMENT CONTAINMENT SYSTEM.
- PIPE OUTLETS MUST HAVE ENERGY DISSIPATION WITHIN 24 HOURS OF CONNECTING TO A SURFACE WATER OR PERMANENT STORMWATER TREATMENT
- MULCH, HYDROMULCH, TACKIFIER, POLYACRYLAMIDE, OR SIMILAR EROSION PREVENTION PRACTICES

CANNOT BE USED WITHIN THE NORMAL WETTED PERIMETER OF DRAINAGE DITCHES OR SWALE SECTIONS WITH A CONTINUOUS SLOPE GREATER THAN

SEDIMENT CONTROL MEASURES

- SEDIMENT CONTROL PRACTICES SHALL BE ESTABLISHED ON DOWNGRADIENT PERIMETERS AND UPGRADIENT OF ANY BUFFER ZONES.
- SEDIMENT CONTROL PRACTICES SHALL BE ESTABLISHED AT THE BASE OF STOCKPILES ON THE DOWNGRADIENT PERIMETER.
- STOCKPILES ARE TO BE LOCATED OUTSIDE OF NATURAL BUFFERSOR SURFACE WATERS, INCLUDING STORMWATER CONVEYANCES (E.G., CURB AND GUTTER SYSTEMS) UNLESS THERE IS A BYPASS.
- DROP INLET AND CULVERT INLET PROTECTION BMPS SHALL BE INSTALLED ACCORDING TO PLAN.
- VEHICLE TRACKING BMPS SHALL BE ESTABLISHED WHERE VEHICLES ARE EXITING THE SITE TO MINIMIZE STREET TRACKING. SEDIMENT TRACKED ONTO A PUBLIC STREET SHALL BE REMOVED WITHIN 24 HOURS.
- PLANS TO PRESERVE TOPSOIL (UNLESS INFEASIBLE) SHALL BE DEVELOPED
- PLANS TO MINIMIZE SOIL COMPACTION SHALL BE DEVELOPED.
- DISCHARGES FROM BMPS SHALL BE DIRECTED TO VEGETATED AREAS, UNLESS INFEASIBLE.
- 50-FOOT NATURAL BUFFERS SHALL BE PRESERVED OR (IF MAINTAINING BUFFER IS INFEASIBLE) REDUNDANT SEDIMENT CONTROLS SHALL BE PROVIDED WHEN A SURFACE WATER IS LOCATED WITHIN 50 FEET OF THE PROJECT'S EARTH DISTURBANCES AND DRAINS TO THE

DEWATERING AND BASIN DRAINING:

• IF DEWATERING IS REQUIRED ON THE SITE, THERE MUST BE A PLAN IN PLACE TO PREVENT NUISANCE CONDITIONS, EROSION, AND INUNDATION OF WETLANDS.

DEWATERING RELATED TO THE CONSTRUCTION ACTIVITY MUST COMPLY WITH MNR100001 PERMIT 2023 REFERENCE 10 OF THE NPDES PERMIT DEWATERING DISCHARGE THAT MAY HAVE TURBID OR SEDIMENT LADEN DISCHARGE MUST BE DISCHARGED TO A TEMPORARY OR PERMANENT SEDIMENTATION BASIN ON THE PROJECT SITE WHENEVER POSSIBLE AND BMP'S MUST BE IMPLEMENTED TOPREVENT WATER CONTAINING SEDIMENT OR OTHER POLLUTANTS FROM BEING DISCHARGED TO SURFACE WATERS OR DOWNSTREAM PROPERTIES.

IF USING FILTERS WITH BACKWASH WATER, BACKWASH WATER MUST BE HAULED AWAY FOR DISPOSAL, RETURNED TO THE BEGINNING OF THE TREATMENT PROCESS, OR INCORPORATED INTO THE SITE IN A MANNER THAT DOES NOT ERODE INTO RUNOFF.

INSPECTION REQUIREMENTS:

- THE SWPPP MUST IDENTIFY THE TRAINED PERSON (AS IDENTIFIED IN ITEM 21.2.B) WHO WILL CONDU INSPECTIONS.
- INSPECTIONS MUST BE PERFORMED ONCE EVERY 7 DAYS.
- INSPECTIONS MUST BE PERFORMED WITHIN 24 HOURS OF A RAIN EVENT GREATER THAN 0.5 INCHES IN 24 HOURS.
- INSPECTION AND MAINTENANCE RECORDS SHOULD
 - DATE AND TIME OF INSPECTION.
 - 2. NAME OF PERSON(S) CONDUCTING INSPECTIONS.

- 3. FINDINGS OF INSPECTIONS, INCLUDING THE SPECIFIC LOCATION WHERE CORRECTIVE ACTIONS ARE NEEDED.
- 4. CORRECTIVE ACTIONS TAKEN (INCLUDING DATES, TIMES, AND PARTY COMPLETING MAINTENANCE ACTIVITIES).
- 5. DATE AND AMOUNT OF RAINFALL EVENTS GREATER THAN 0.5 INCH IN 24 HOURS.
- 6. RAINFALL AMOUNTS MUST BE OBTAINED BY A PROPERLY MAINTAINED RAIN GAUGE INSTALLED ONSITE, OR BY A WEATHER STATION THAT IS WITHIN ONE MILE OR BY A WEATHER REPORTING
- 7. REQUIREMENTS TO OBSERVE ANY DISCHARGE THAT MAY BE OCCURRING DURING THE INSPECTION. DISCHARGE SHOULD ALSO BE DESCRIBED AND PHOTOGRAPHED

MAINTENANCE REQUIREMENTS:

- ALL NONFUNCTIONAL BMPS MUST BE REPAIRED, REPLACED, OR SUPPLEMENTED WITH FUNCTIONAL BMPS BY THE END OF THE NEXT BUSINESS DAY AFTER DISCOVERY, OR AS SOON AS FIELD CONDITIONS ALLOW
- PERIMETER CONTROL DEVICES MUST BE REPAIRED. REPLACED, OR SUPPLEMENTED WHEN NONFUNCTIONAL OR SEDIMENT REACHES ONE-HALF THE HEIGHT OF THE DEVICE.
- TEMPORARY AND PERMANENT SEDIMENT BASINS MUST BE DRAINED, AND SEDIMENT REMOVED WHEN THE DEPTH OF SEDIMENT COLLECTED REACHES ONE-HALF STORAGE VOLUME.
- ALL SEDIMENT DEPOSITS AND DELTAS MUST BE REMOVED FROM SURFACE WATERS (INCLUDING DRAINAGE WAYS, CATCH BASINS, AND OTHER DRAINAGE SYSTEMS) AND THE REMOVAL AREAS RESTABILIZED WITHIN SEVEN DAYS.
- SEDIMENT ON PAVED SURFACES (E.G., SEDIMENT TRACKED FROM VEHICLES) MUST BE REMOVED WITHIN ONE CALENDAR DAY OF DISCOVERY.
- PERMANENT STORMWATER TREATMENT BMPS MUST BE INSPECTED AND MAINTAINED. THERE ARE NO PERMANENT STORMWATER BMPS FOR THIS PROJECT.

POLLUTION PREVENTION MANAGEMENT MEASURES:

PROPER STORAGE, HANDLING, AND DISPOSAL OF CONSTRUCTION PRODUCTS, MATERIALS, AND WASTES

HAZARDOUS MATERIALS AND TOXIC WASTE (INCLUDING OIL, DIESEL FUEL, GASOLINE, HYDRAULIC FLUIDS, PAINT SOLVENTS, PETROLEUM-BASED PRODUCTS, WOOD PRESERVATIVES, ADDITIVES, CURING COMPOUNDS, AND ACIDS) MUST BE STORED IN WATERPROOF CONTAINERS WITH SECONDARY CONTAINMENT. STORAGE AND DISPOSAL OF HAZARDOUS WASTE MUST BE IN COMPLIANCE WITH MPCA REGULATIONS. RUNOFF CONTAINING SUCH MATERIAL MUST BE COLLECTED, REMOVED FROM THE SITE, TREATED, AND DISPOSED AT AN APPROVED SOLID WASTE OR CHEMICAL DISPOSAL FACILITY. BUILDING PRODUCTS THAT HAVE THE POTENTIAL TO LEACH POLLUTANTS AND PESTICIDES, FERTILIZERS TREATMENT CHEMICALS AND LANDSCAPE MATERIALS MUST BE UNDER COVER BY PLASTIC SHEETING OR TEMPORARY ROOFS TO PREVENT DISCHARGE OR PROTECTED BY SIMILAR EFFECTIVE MEANS TO PREVENT CONTACT WITH STORMWATER.

ADDRESS FUELING AND MAINTENANCE OF EQUIPMENT OR VEHICLES AND SPILL PREVENTION AND RESPONSE.

SPILL CLEANUP MATERIALS MUST BE AVAILABLE ON SITE. MATERIAL SHALL INCLUDE BUT NOT LIMITED TO BROOMS, MOPS, RAGS, GLOVES, ABSORBENT MATERIAL, SAND PLASTIC AND METAL CONTAINERS SPILLS GREATER THAN 5 GALLONS THAT REACH STORM WATER CONVEYANCE SYSTEMS CONNECTED TO A WATER OF THE STATE MUST BE IMMEDIATELY REPORTED TO THE MPCA STATE DUTY OFFICER.

LIMIT EXTERIOR VEHICLE AND EQUIPMENT WASHING TO A DEFINED AREA OF THE SITE.

EXTERNAL WASHING OF TRUCKS AND OTHER CONSTRUCTION VEHICLES MUST BE LIMITED TO A DEFINED AREA OF THE SITE. RUNOFF MUST BE CONTAINED, AND WASTE PROPERLY DISPOSED

DESCRIBE OF THE CONTAINMENT FOR CONCRETE AND OTHER WASHOUT WASTES.

CONCRETE WASHOUT SITE: ALL LIQUID AND SOLID WASTES GENERATED BY CONCRETE WASHOUT OPERATIONS MUST BE CONTAINED IN A LEAK PROOF CONTAINMENT FACILITY OR IMPERMEABLE LINER. THE LIQUID AND SOLID WASTES MUST NOT CONTACT THE GROUND, AND THERE MUST NOT BE RUNOFF FROM THE CONCRETE WASHOUT OPERATIONS OR AREAS. LIQUID AND SOLID WASTES MUST BE DISPOSED OF PROPERLY AND IN COMPLIANCE WITH THE MPCA REGULATIONS. A SIGN MUST BE INSTALLED ADJACENT TO EACH WASHOUT FACILITY TO INFORM CONCRETE EQUIPMENT OPERATORS TO UTILIZE THE PROPER FACILITIES.

PORTABLE TOILETS MUST BE POSITIONED SO THAT THEY ARE SECURE.

LICENSED SANITARY WASTE MANAGEMENT HANDLER MUST DISPOSE OF SANITARY WASTE.

PERMIT TERMINATION CONDITIONS:

- PERMANENT UNIFORM PERENNIAL VEGETATIVE COVER MUST BE ESTABLISHED AT 70% DENSITY OF ITS EXPECTED FINAL GROWTH.
- THE PERMANENT STORMWATER TREATMENT SYSTEM IS CONSTRUCTED, MEETS ALL REQUIREMENTS, AND IS OPERATING AS DESIGNED.
- ALL TEMPORARY SYNTHETIC FROSION PREVENTION AND SEDIMENT CONTROL BMPS MUST BE REMOVED AND THE SURROUNDING AREA MUST BE RESTORED TO AS DESIGNED.
- CLEAN OUT SEDIMENT FROM CONVEYANCE SYSTEMS AND PERMANENT STORMWATER
 TREATMENT SYSTEMS (RETURN TO DESIGN
- FOR RESIDENTIAL SITES, INSTALL TEMPORARY FROSION PROTECTION AND DOWNGRADIENT PERIMETER CONTROL AND DISTRIBUTE THE MPCA'S HOMEOWNER FACT SHEET
- SUBMIT A NOTICE OF TERMINATION (NOT) TO THE

RECORD RETENTION REQUIREMENTS:

PERMITTEES MUST KEEP THE SWPPP INCLUDING ALL CHANGES TO IT, AND INSPECTIONS AND MAINTENANCE

RECORDS AT THE SITE DURING NORMAL WORKING HOURS BY PERMITTEES WHO HAVE OPERATIONAL CONTROL OF THAT PORTION OF THE SITE.

THE SWPPP AND ASSOCIATED RECORDS SHALL BE STORED AND MAINTAINED BY AN EMPLOYEE OR REPRESENTATIVE OF THE OWNER FOR 3 YEARS AFTER THE SUBMISSION OF THE NOTICE OF TERMINATION (NOT). RESPONSIBILITY FOR OVERSEEING THE RECORDS WILL BE TRANSFERRED TO ANOTHER EMPLOYEE OR REPRESENTATIVE SHOULD THE CURRENT PERSONNEL BECOME UNINVOLVED WITH THE PROJECT OR OWNER. THESE RECORDS SHALL INCLUDE THE FOLLOWING:

1). THE FINAL SWPPP

2). ANY OTHER STORMWATER RELATED PERMITS REQUIRED FOR THE PROJECT

3). RECORDS OF ALL INSPECTION AND MAINTENANCE CONDUCTED DURING CONSTRUCTION

4). ALL PERMANENT OPERATION AND MAINTENANCE

AGREEMENTS THAT HAVE BEEN IMPLEMENTED, INCLUDING ALL RIGHT-OF-WAY, CONTRACTS, COVENANTS AND OTHER

BINDING REQUIREMENTS REGARDING PERPETUAL MAINTENANCE

5). ALL REQUIRED CALCULATIONS FOR DESIGN OF THE TEMPORARY AND PERMANENT STORMWATER MANAGEMENT SYSTEMS.

ADDITIONAL CONTENT FOR MNDOT SWPPP NARRATIVES

MNDOT 2573.3 CONSTRUCTION REQUIREMENTS:

PERMITTEES MUST COMPLY WITH MINNESOTA 2020 STANDARD SPECIFICATIONS STORM WATER MANAGEMENT CONSTRUCTION REQUIREMENTS 2573.3 A THRU S.

EROSION CONTROL SUPERVISOR: TBD AND DOCUMENTED IN T
SWPPP NARRATIVE PRIOR TO START OF CONSTRUCTION.
COMPANY:
NAME:
ADDRESS:
CITY, STATE ZIP:
EMAIL:
PHONE:
TRAINING ORGANIZATION/SPONSOR:
TRAINING DATE(S):
TRAINING ACTIVITY/CONTENT:
INCTRICTOR(S) NAME(S):

CHAIN OF RESPONSIBILITY: TBD AND DOCUMENTED IN THIS SWPPP NARRATIVE PRIOR TO START OF CONSTRUCTION.

PROJECT LOCATION:
ON CSAH 4 FROM JCT. CSAH 13 EAST 4 MILES TO T,H, 75 FROM: SW CORNER SEC. 3-115-45 TO: SE SEC, 6-115-44

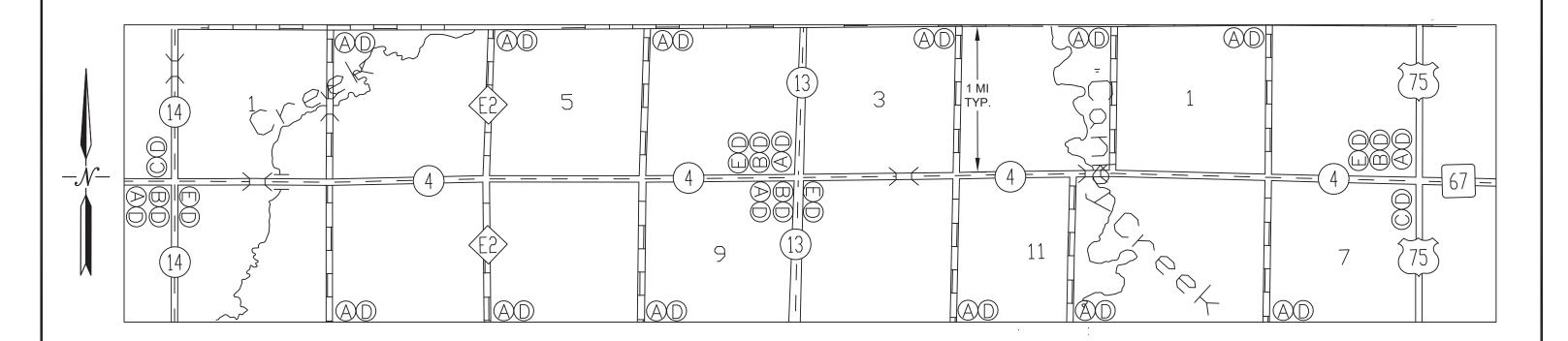


SOILS MAP: NOT TO SCALE

DESCRIPTION	TITLE	LOCATION
SUMMARY OF PERVIOUS AND IMPERVIOUS	SWPPP NARRATIVE	SHEET 5
DIRECTION OF FLOW	PLAN AND PROFILE	N/A
RECEIVING SURFACE WATER	SWPPP NARRATIVE	SHEETS 5 TO 7
SOIL MAP	EROSION CONTROL PLAN	SHEETS 5 TO 7
FINAL STABILIZATION	EROSION CONTROL PLAN	SHEETS 5 TO 7
DRAINAGE STRUCTURES	N/A	N/A
DRAINAGE TABULATIONS	N/A	N/A
EROSION CONTROL TABULATION	EROSION CONTROL TABULATIONS	SHEET 6
EROSION CONTROL SHEETS	EROSION CONTROL PLAN	SHEETS 5 TO 7
EROSION CONTROL DETAILS	EROSION CONTROL DETAILS	SHEETS 5 TO 7
STORM SEWER TABULATION	N/A	N/A
STORM SEWER PLANS	N/A	N/A
STORM SEWER DETAILS	N/A	N/A
POND TABULATIONS	N/A	N/A
POND SHEETS	N/A	N/A
LOCATION OF PONDS	N/A	N/A

AGENCY	PERMIT	NAME	PHONE NUMBER
MPCA	NPDES	MPCA SW REGION	507-537-7146
YELLOW MEDICINE COUNTY (OWNER)			320-313-3002
SWCD	WCA	TYLER KNUTSON	320-669-4442 X3
DNR	GENERAL WATERS	KYLE JARCHO	507-537-7258
WATERSHED DISTRICT		MICHELLE OVERHOUSER	507-872-6720
COE	404	ST. PAUL OFFICE	651-290-5375
SWPPP DESIGN	NPDES	TONY SATHER	320-313-3000
EC SUPERVISOR	NPDES	TBD	
MPCA DUTY OFFICER			1-800-422-0798

TRAFFIC CONTROL



	SIGN OR DEVICE	SIGN NO.	COLOR	SIZE	EST. QUANTITY
А	ROAD WORK AHEAD	W20-3	BLACK ON ORANGE	36" X 36"	8 (2 WITH FLASHERS)
В	ROAD WORK NEXT MILES	G20-1	BLACK ON ORANGE	60" X 24"	4 MILES QTY: 2 (2 WITH FLASHERS)
С	END ROAD WORK	G20-2a	BLACK ON ORANGE	48" X 24"	2
D	<u></u>	TYPE A FLASHER	YELLOW		16 (INCLUDES 2 FLASHERS PER BARRICADE, AND THE OTHERS SHOWN ABOVE)
E	ROAD CLOSED TO THRU TRAFFIC	R11-4	BLACK ON WHITE	60" X 30"	2 (2 WITH FLASHERS)
1					

NOTES

ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION OF THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. INCLUDING THE LATEST FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

THE EXACT LOCATION OF TRAFFIC CONTROL DEVICES WILL BE DETERMINED BY THE CONTRACTOR, SUBJECT TO THE APPROVAL OF THE ENGINEER.

ALL TRAFFIC CONTROL DEVICES SHOWN, ON THE "WORK SITE PLAN", THIS SHEET, UNLESS OTHERWISE INDICATED, SHALL BE FURNISHED, INSTALLED, MAINTAINED, REMOVED BY, AND REMAIN PROPERTY OF THE CONTRACTOR.

UNLESS OTHERWISE DIRECTED BY THE ENGINEER, ALL SIGNS SHOWN (EXCEPT BARRICADE MOUNTED SIGNS) SHALL BE FASTENED TO TWO UPRIGHT POST EXTENDED FROM TWO DRIVEN GROUND POST. ALL SIGNS SHALL CONFORM TO THE HEIGHT REQUIREMENTS OF SECTION 2A - 18 OF THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

ALL WARNING SIGNS SHALL HAVE BLACK LETTERS ON ORANGE COLORED, DIAMOND GRADE, RETROFLECTIVE SHEETING. REGULATORY SIGNS SHALL CONFORM IN LETTER SIZE AND COLOR TO THE REQUIREMENTS SPECIFIED IN THE MINNESOTA STANDARD SIGNS MANUAL, INCLUDING THE TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS (FIELD MANUAL).

TRAFFIC CONTROL SIGNS MAY BE INSTALLED ON PORTABLE STANDS IN LOCATIONS APPROVED BY THE ENGINEER.

CONSTRUCTION ZONE SIGNING IS ALSO THE RESPONSIBILITY OF THE CONTRACTOR. SIGNS REQUIRED INCLUDE, BUT ARE NOT LIMITED TO, ROAD CONSTRUCTION AHEAD, LOW SHOULDER, DIP, BUMP, FRESH OIL, FLAG PERSON, NUMBER OF SIGNS AND LOCATION DETERMINED BY CONTRACTOR'S OPERATION. ALL SIGNS SHALL CONFORM TO THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. INCLUDING THE TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS (FIELD MANUAL).

ALL SIGNS SHALL HAVE FLASHERS.

ALL FLASHERS SHOULD BE ON SIDE NEAREST ROAD.

SIGN DIMENSIONS ARE IN ENGLISH UNITS.

THE SIGNING AND CHANNELIZATION DEVICE TABULATION SHOWN IS FOR INFORMATIONAL PURPOSES. ADDITIONAL SIGNS AND DEVICES SHALL BE PROVIDED, AS REQUIRED, WITH NO ADJUSTMENT IN THE UNIT PRICE BID FOR ITEM "TRAFFIC CONTROL", LUMP SUM.

CERTIFIED BY

_ P.E. LIC. 58376

1/7/2025

SAP 087-604-018

SHEET 8 OF 8 SHEETS

PLAN SYM	BOLS
STATE LINE	
SECTION LINE	
QUARTER LINE SIXTEENTH LINE RIGHT OF WAY LINE SLOPE EASEMENT SLOPE TABLET OF WAY LINE	
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SLOPE EASEMENT PRESENT RIGHT OF WAY LINE CONTROL OF ACCESS LINE PROPERTY LINES VACATED BLATTED PROPERTY	=
VACATED PLATTED PROPERTY	······
CORPORATE HIGHWAY CENTER LINE	<u> </u>
TRUNK HIGHWAY CENTER LINE	
RETAINING WALL	P
RAILROAD RIGHT OF WAY LINE	
DRY BIN	
DRAIN TILF	<u> </u>
CULVERTDROP INLET	
GUARD RAIL BARBED WIRE FENCE WOVEN WIRE FENCE CHAIN LINK FENCE RAILROAD SNOW FENCE STANE WALL OR FENCE	84 84
RAILROAD SNOW FENCE	
HEDGE	
RAILROAD CROSSING SIGN	
RAILROAD CROSSING BELL	É
ELECTRIC WARNING SIGN	2
CROSSING GATE	
MEANDER CORNER	
SPRINGS	
MARSH	
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BRUSH NURSERY	6 10 45
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UNDERPASS (HIGHWAY UNDER) BRIDGE BUILDING (ONE STORY FRAME) F - FRAME C - G S - STONE T - T B - BRICK ST - T IRON PIPE OR ROD MONUMENT (STONE, CONCRETE, OR ME WOODEN HUB	CONCRETE ILLE STUCCO
UNDERPASS (HIGHWAY UNDER) BRIDGE	CONCRETE ILE STUCCO
UNDERPASS (HIGHWAY UNDER) BRIDGE BUILDING (ONE STORY FRAME) F - FRAME C - G S - STONE T - T B - BRICK ST - T IRON PIPE OR ROD MONUMENT (STONE, CONCRETE, OR ME WOODEN HUB	CONCRETE ILLE STUCCO
UNDERPASS (HIGHWAY UNDER) BRIDGE BUILDING (ONE STORY FRAME) F - FRAME C - G S - STONE T - T B - BRICK ST - T IRON PIPE OR ROD MONUMENT (STONE, CONCRETE, OR ME WOODEN HUB	CONCRETE ILE STUCCO CATALL) (G) (E)
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UNDERPASS (HIGHWAY UNDER) BRIDGE	CONCRETE TESTUCCO ATALL GO CMBOLS
UNDERPASS (HIGHWAY UNDER) BRIDGE BUILDING (ONE STORY FRAME)	CONCRETE TESTUCCO ATALL GO CMBOLS
UNDERPASS (HIGHWAY UNDER) BRIDGE BUILDING (ONE STORY FRAME)	CONCRETE TESTUCCO ATALL GO CMBOLS
UNDERPASS (HIGHWAY UNDER) BRIDGE BUILDING (ONE STORY FRAME) F - FRAME C - C S - STONE T - T B - BRICK ST	CONCRETE ILLE STUCCO ATAL) G (MBOLS
UNDERPASS (HIGHWAY UNDER) BRIDGE BUILDING (ONE STORY FRAME) F - FRAME C - C S - STONE T - T B - BRICK ST	CONCRETE ILLE STUCCO ATAL) G (MBOLS
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CROSS-SECTION.... 0 10' 10'

• • • • N.T.S.

100'__

INDEX MAP

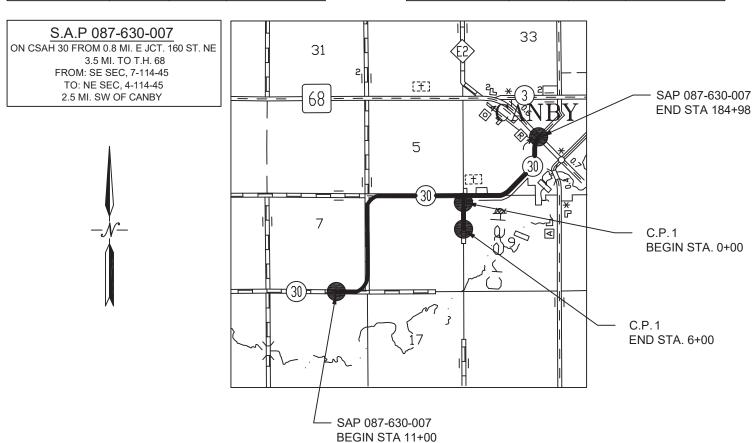
MINNESOTA DEPARTMENT OF TRANSPORTATION

YELLOW MEDICINE COUNTY

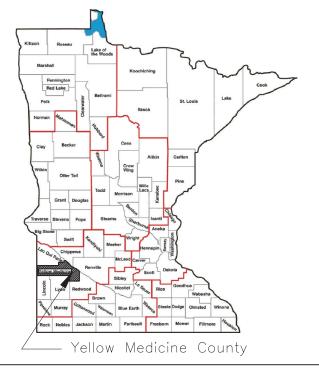
CONSTRUCTION PLAN FOR: AGG, BASE, BIT. SURFACING AND AGG, SHOULDERING

S.A.P 087-630-007						
GROSS LENGTH 17398.000 FT. 3.295 MI. GROSS LENGTH						
BRIDGE LENGTH	0.000 FT.	0.000 MI.	BRIDGE LENGTH			
EXCEPTIONS LENGTH	0.000 FT.	0.000 MI.	EXCEPTIONS LENGTH			
NET LENGTH 17398.000 FT. 3.295 MI. NET LENGTH						

C.P. 1					
GROSS LENGTH	600 FT.	0.114 MI.	GROSS LENGTH		
BRIDGE LENGTH	0.000 FT.	0.000 MI.	BRIDGE LENGTH		
EXCEPTIONS LENGTH	0.000 FT.	0.000 MI.	EXCEPTIONS LENGTH		
NET LENGTH	600 FT.	0.114 MI.	NET LENGTH		



DESIGN DESIGNATION ASSUMED R-VALUE 10 ESALS (20 YEAR) 99,000 ADT (CURRENT YEAR)2025 370 ADT ADT (FUTURE YEAR)2045 407 ADT T (HEAVY COMMERCIAL)2045 41 **DESIGN LOAD** 10 TON SHOULDER WIDTH 5'-0" **FUNCTIONAL CLASSIFICATION** MINOR COLLECTOR NO. TRAFFIC LANES 2 NO. PARKING LANES NA 50 MPH **DESIGN SPEED**



GOVERNING SPECIFICATIONS

THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.

ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LASTEST EDITION OF THE MINNESOTA MANUAL ON UNIFORM TRAFIC CONTROL DEVICES. INCLUDING THE LATEST FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

GRADED: SAP 087-630-006 (CSAH 30) (2024)

STOPPING SIGHT DISTANCE BASED ON: 3.5' HEIGHT OF EYE 2.0' HEIGHT OF OBJECT

INDEX				
SHEET NO. 1	TITLE SHEET			
SHEET NO. 2	ESTIMATED QUANTITIES			
SHEET NO. 3	TYPICAL SECTIONS			
SHEET NO. 4-6	SWPPP			
SHEET NO. 7	TRAFFIC CONTROL PLAN			
THIS PLAN CONTAINS 7 SHEETS				

DESIGN ENGINEER: I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

DATE 1/10/2025 LICENSE NO. 58376

APPROVED: COUNTY ENGINEER

DATE 1/10/2025

Todd Broadwell Digitally signed by Todd Broadwell Date: 2025.01.13 13:49:28 -06'00'

DISTRICT STATE ENGINEER
REVIEWED FOR COMPLIANCE WITH STATE-AID RULES AND POLICIES

Digitally signed by Todd

Todd Broadwell Broadwell Date: 2025,01-13 13:50:36 -06'00'

STATE AID ENGINEER APPROVED FOR STATE AID FUNDING

SAP 087-630-007

SHEET 1 OF 7 SHEETS

	YELLOW MEDICINE COUNTY HIGHWAY DEPT.			C.P. 1	*SAP 087-630-00	7	
	CSAH 30 S	AP 087-630-007		NON-PART	MUNICIPAL	RURAL	TOTAL
	ITEM#	ITEM DESCRIPTION	UNIT	EST QUANT	EST QUANT	EST QUANT	QUANT
(10)	2011.601	Construction Surveying	LS			1	1
	2021.501	Mobilization	LS	0.01	0.19	0.80	1
(3)	2118.604	Surface Preparation	Sq Yd			46,844	46,844
(9)	2123.510	Common Laborers	Hour			10	10
(5)	2123.510	Motor Grader	Hour			10	10
(5)	2123.510	150 HP Tractor	Hour			10	10
(5)	2123.510	Disk Harrow	Hour			10	10
(9)	2123.610	Skid Loader	Hour			4	4
(3)	2211.507	Aggregate Base (LV) Class 5	Cu Yd			8,662	8,662
(10)	2221.507	Shoulder Base Aggregate (LV), Class 5 Mod	Cu Yd	14	746	3,608	4,368
(8)(13)	2232.504	Mill Bituminous Surface (2")	Sq Yd	1,600	17,551		19,151
(1)(2)(12)(13)	2360.509	Type SP 12.5 Wearing Course Mix (2,C)	Ton	271	2,746	6,250	9,267
(2)(12)	2360.509	Type SP 19.0 Non Wear Course Mix (2,C)	Ton		297	7,813	8,110
(14)	2506.502	Adjust Frame and Ring Casting	Each		5		5
	2563.601	Traffic Control	LS	0.01	0.19	0.80	1
	2573.501	Erosion Control Supervisor	LS			1	1
(11)	2574.507	Common Topsoil Borrow	Cu Yd		100	100	200
	2574.508	Fertilizer Type 1	Pound			1,240	1,240
	2575.505	Disk Anchoring	Acre			6.2	6.2
(4)	2575.505	Seeding	Acre			6.2	6.2
	2575.508	Seed Mixture 25-142	Pound			310	310
(4)	2575.508	Seed Mixture 25-151	Pound			200	200
	2575.509	Mulch Material Type 3	Ton			13.0	13.0
(6)	2582.503	24" Solid Line White-Preform Tape (Ground In)	Lin Ft		12		12
(7)	2582.503	4" Broken Line Multi-Component	Lin Ft		855	2,245	3,100
(7)	2582.503	4" Solid Line Multi-Component	Lin Ft		6,017	3,500	9,517
(6)	2582.503	6" Solid Line Multi-Component	Lin Ft		11,552	22,208	33,760

*ELIGIBLE FOR LRIP, SPRA AND STATE AID FUNDING

THE FOLLOWING STANDARD PLATES, APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION, SHALL APPLY ON THIS PROJECT.

	STANDARD PLATES
PLATE	DESCRIPTION
8000 K	CHANNELIZERS
9000 E	APPROACHES AND ENTRANCES (4:1 SLOPE)

UTILITY NOTES THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY

CENTURY LINK TELEPHONE--

BASIS FOR ESTIMATED QUANTITIES

WEARING COURSE MIXTURE(SPWEB230C)

**WEARING COURSE TO BE DESIGNED FOR 3% AIR VOIDS BITUMINOUS MATERIAL FOR MIXTURE - PG 58H-34 113 LBS./ SQ. YD./ INCH OF DEPTH

QUANTITY SHOWN INCLUDES: 753 TONS FOR ENTRANCES

TACK COAT

BITUMINOUS MATERIAL FOR TACK COAT: 0.07 GALS. SQ. YD./ LIFT 0.11 GALS. SQ. YD./LIFT ON MILLED SURFACES INCIDENTAL TO BITUMINOUS MIXTURE

AGGREGATE SHOULDERING

AGGREGATE SHOULDER - CLASS 5 MOD
130% OF INPLACE VOLUME
CY X 1.4 = TONS
CLASS 5 MOD QUANTITY SHOWN INCLUDES:
438 C.Y. FOR ENTRANCES

NON-WEARING COURSE MIXTURE(SPNWC230C)

BITUMINOUS MATERIAL FOR MIXTURE - PG 58H-34 113 LBS./ SQ. YD./ INCH OF DEPTH

QUANTITY SHOWN INCLUDES: 198 TONS FOR ENTRANCES

AGGREGATE BASE

AGGREGATE BASE - CLASS 5 130% OF INPLACE VOLUME CY X 1.4 = TONS

PAVED SHOULDER

PAVED SHOULDER STA. 16+00 - 28+00 66+00 - 78+00

SPNWC230C QUANTITY INCLUDES: 527 TON FOR SHOULDERS RT & LT

SPWEB230C QUANTITY INCLUDES: 452 TON FOR SHOULDERS RT & LT

TOP SOIL

CUBIC YARDS X 1.4 = TONS

TYPE 1 FERTILIZER WITH A COMPOSITION OF 19-19-19 AT A RATE OF 200 LBS/AC USING SEED MIXTURE 25-142 AT A RATE OF 45 LBS/AC OF PURE LIVE SEED USING SEED MIXTURE 25-151 AT A RATE OF 200 LBS/AC OF PURE LIVE SEED

CONSTRUCTION NOTES

- 1. 100% VIRGIN MATERIAL REQUIRED FOR WEAR COURSE TOP LIFT ONLY. (NO RAP)
- 2. ENTRANCES, DRIVEWAYS AND INTERSECTIONS TO BE CUT OUT DEPTH OF PAVEMENT PRIOR TO PAVEMENT AND BE INCIDENTAL.
- 3. THE CENTER 34' SHALL BE SHAPED TO A VERTICAL ALIGNMENT PROVIDED BY THE COUNTY. AGGREGATE BASE CLASS 5 SHALL BE ADDED WHERE INPLACE MATERIAL IS INSUFFICIENT AND A MINIMUM OF 8" TO THE OUTER LIMITS OF GRADING BASE.
- 4. SEEDING AREAS (25-151) TO BE STAKED OUT BY COUNTY.
- 5. EQUIPMENT HOURS SHALL BE USED TO PULL UP SALVAGED TOPSOIL TO FINAL GRADE, AND AS DIRECTED BY ENGINEER.
- 6. WHITE, TO BE STAKED BY COUNTY.
- 7. YELLOW, TO BE STAKED BY COUNTY.
- 8. MILLING SHALL BE DONE AT TIE IN AREAS AND AREAS DIRECTED BY COUNTY ENGINEER AND TO BE STAKED BY COUNTY.
- 2. ROCKS SHALL BE PICKED AFTER INSLOPES ARE PULLED UP AND SEEDED. ROCKS TO BECOME PROPERTY OF CONTRACTOR, ROCKS SHALL BE DISPOSED OF OFF SITE AND NOT WITHIN THE ROW. HAULING OFF ROCKS IS INCIDENTAL TO OTHER BID ITEMS.
- 10. MACHINE CONTROL IS REQUIRED FOR THIS PROJECT. MACHINE CONTROL SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 2011.501 CONSTRUCTION SURVEYING, YELLOW MEDICINE COUNTY CAN PROVIDE INFORMATION IN AUTOCAD FORMAT ONLY. THE CONTRACTOR IS RESPONSIBLE FOR CREATING A WORKING MODEL. PLEASE NOTE THAT YELLOW MEDICINE COUNTY BELIEVES THIS ELECTRONIC DATA TO BE ACCURATE BUT DOES NOT GUARANTEE IT. THE DOCUMENTS ORIGINALLY PROVIDED WITH THE CONTRACT REMAIN THE BASIS OF THE CONTRACT, AND THE ELECTRONIC DATA BEING PROVIDED IS FOR INFORMATIONAL USE ONLY IN ORDER TO ASSIST THE CONTRACTOR WITH THE USE OF MACHINE CONTROL/SURVEYING THEREFORE, IF USE OF THIS DATA CAUSES AN ERROR, ANY COSTS TO THE CONTRACTOR IN TIME OR MONEY TO MAKE CORRECTIONS AS A RESULT OF THIS ERROR WILL NOT BE CONSIDERED "EXTRA WORK" AS THAT TERM IS DEFINED IN MNDOT'S "STANDARD SPECIFICATIONS FOR CONSTRUCTION, 2020 EDITION."
- 11. COMMON TOPSOIL BORROW SHALL BE USED IN AREAS WHERE THERE IS INSUFFICIENT TOPSOIL AS APPROVED BY THE ENGINEER.
- 12. PAVED SHOULDERS FROM STA. 16+00 28+00 RT & LT & STA. 66+00 78+00 RT & LT TO MATCH MAINLINE PAVEMENT DEPTHS.
- 13. NON-PARTICIPATING QUANTITY IS FOR 600' OF STONE HILL REGIONAL PARK ENTRANCE @ STA. 123+50
- 14. ALL WATER VALVES TO BE ADJUSTED TO FINAL GRADE & BE INCIDENTAL TO ITEM # 2506.502

CERTIFIED BY

SAP 087-630-007

Sheet 2 of 7 Sheets

P.E. LIC. 58376 1/10/2025

-- 1-800-252-1166



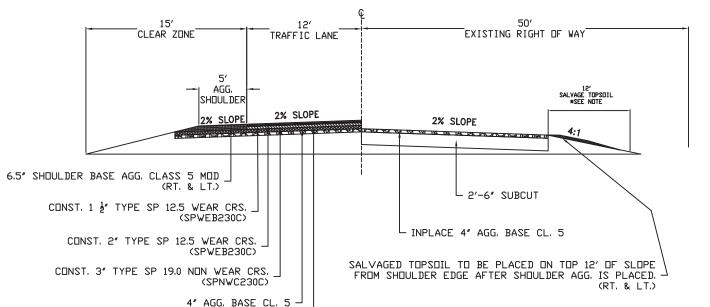
STATION 11+00 TO 123+50

GRAVEL EQUIVALENT 10+00 - 123+50

10 TON

PLAN: 22.625

REQUIRED: 22.0



*EXCESS TOPSOIL HAS BEEN PREVIOUSLY PLACED ON THE UPPER 12' OF INSLOPE. BID ITEMS FOR EQUIPMENT HOURS ARE INCLUDED TO MOVE THIS TOPSOIL ONTO THE NEWLY PLACED AGGREGATE SHOULDERS. 3" MIN. TOPSOIL DEPTH IS THE INTENDED FINAL THICKNESS ALONG THE INSLOPE.

GRAVEL EQUIVALENT

STA. 16+00 - 28+00 STA. 66+00 - 78+00

*CONST 5' PAVED SHOULDERS RT & LT

123+50 - 184+98

10 TON

PLAN: 23.0

REQUIRED: 22.0

S.A.P. 087-630-007 TYPICAL SECTION

123+50 TO 184+98 RECOVERY AREA SALVAGE TOPSOIL *SEE NOTE 2% SLOPE 2% SLOPE 2% SLOPE 2% SLOPE CONST. 3" SHLD. BASE AGG. CLASS 5 MOD INPLACE 1 1 BIT. WEAR CRS. (2341) (RT. & LT.) INPLACE 1 1 BIT. WEAR CRS. (2341). CONST. 1 3" TYPE SP 12.5 WEAR CRS. (SPWEB230C) INPLACE 2" PLANT-MIXED BIT, SURFACE CONST. 1 3" TYPE SP 12.5 WEAR CRS. _ - INPLACE 9 ⅓″ AGG. BASE CL. 5 (SPWEB230C) MILL BITUMINOUS SURFACE 2"

*EXCESS TOPSOIL HAS BEEN PREVIOUSLY PLACED ON THE UPPER 12' OF INSLOPE. BID ITEMS FOR EQUIPMENT HOURS ARE INCLUDED TO MOVE THIS TOPSOIL ONTO THE NEWLY PLACED AGGREGATE SHOULDERS. 3" MIN. TOPSOIL DEPTH IS THE INTENDED FINAL THICKNESS ALONG THE INSLOPE. STA, 169+00 - 181+50 RIGHT SHOULDER

*CONST 9' PAVED SHOULDER RT

STA, 169+00 - 184+98

0+00 TO 6+00 1' AGG. SHOULDERS 2% SLOPE 2% SLOPE VARIES AND THE RESIDENCE OF THE PARTY - INPLACE 2 ⅓ PLANT-MIXED BIT. SURFACE L INPLACE 2 🖟 PLANT-MIXED BIT. SURFACE INPLACE 6" AGG. BASE CL. 5 CONST. 3" SHLD. BASE AGG. CLASS 5 MOD (RT. & LT.) CONST. 1 1 TYPE SP 12.5 WEAR CRS. (SPWEB230C) CONST. 1 2" TYPE SP 12.5 WEAR CRS. (SPWEB230C) MILL BITUMINOUS SURFACE 2" -

CERTIFIED BY_

SURFACE PREPARATION -

SAP 087-630-007

P.E. LIC. 58376 1/10/2025

SHEET 3 OF 7 SHEETS

CANBY CREEK AND DEL CLARK ARE LISTED AS AN IMPARED WATER

APPLICANT: YELLOW MEDICINE COUNTY HIGHWAY DEPARTMENT

PROJECT NAME: CSAH 30 PAVING AND AGREGATE SHOULDERING

APPLICATION DATE: TBD

NATURE OF CONSTRUCTION ACTIVITY DESCRIPTION:
THE PROPOSED SITE CONSISTS OF THE FOLLOWING SOILS: UDORTHENTS 0 TO 6 % - 1003B 02% LAMOURE-LA PRAIRIE COMPLEX, 0 TO 2 % - J80A 3.8% BRENSALL-TRESS COMPLEX, 0 TO 2 % - J237A BRENSALL-TRESS COMPLEX, 1 TO 4 % - J237B 6.5% BUSE, FIRM TILL WILNO COMPLEX, 12 TO 18 % - J238D2 02% BUSE, FIRM TILL WILNO COMPLEX, 18 TO 25 % - J238E .02% FORMAN-AASTAD COMPLEX, 3 TO 6 % - J240B 41.6% FORMAN-BUSE COMPLEX, 6 TO 12 % - J250C2 PARNELL SILTY CLAY LOAM, FIRM TILL, 0 TO 2 % - J251A 14 8%

THE EXISTING AND PROPOSED DRAINAGE AREAS WILL REMAIN THE SAME FOR EXISTING AND PROPOSED CONDITIONS.

CONSTRUCTION ACTIVITY WILL CONSIST OF REGRADE DITCH SLOPES, SUBCUT ROAD BASE, APPROACH REMOVAL, CULVERT REMOVAL, CULVERT INSTALLATION, APPROACH CONSTRUCTION, ROAD BASE CONSTRUCTION, AND BITHMINOUS PLACEMENT

THE PROJECT WILL BE STARTED JUNE 2024, WITH CONSTRUCTION BEING COMPLETED IN AUGUST 2024.

TOTAL DISTURBED AREA WITHIN PROJECT AREAS ARE AS FOLLOWS PROJECT DISTURBED AREA = 15.3 AC

NAME OF PERSON WITH BMP EXPERIENCE WHO WILL OVERSEE SWPPP IMPLEMENTATION AND COORDINATE WITH CONTRACTOR:

PERSON, ORGANIZATION, OR ENTITY RESPONSIBLE FOR LONG TERM MAINTENANCE OF PERMANENT STORMWATER TREATMENT IN IMPERVIOUS AREA IS LESS THAN ONE ACRE

DOCUMENTATION OF ALL TRAINED INDIVIDUALS:

SWPPP PREPARER:

COMPANY: YELLOW MEDICINE COUNTY

NAME: TONY SATHER ADDRESS: 1320 13TH ST

CITY, STATE ZIP: GRANITE FALLS, MN 56241

TONY.SATHER@CO.YM.MN.GOV EMAIL:

PHONE: 320-313-3000

TRAINING ORGANIZATION/SPONSOR: U OF M DESIGN OF CONSTRUCTION

TRAINING DATE: 1/17/23 - 5/2/23

TRAINING ACTIVITY/CONTENT: SWPPP DESIGN

INSTRUCTOR(S) NAME(S): DEPT. OF BIOPRODUCTS AND BIOSYSTEMS

INDIVIDUAL OVERSEEING IMPLEMENTATION OF, REVISING AND/OR AMENDING THE SWPPP THAT ARE AVAILABLE FOR AN ONSITE INSPECTION WITHIN 72 HOURS UPON REQUEST OF MPCA: TBD AND DOCUMENTED IN THIS SWPPP NARRATIVE PRIOR TO START OF CONSTRUCTION.

COMPANY:
NAME:
ADDRESS:
CITY, STATE ZIP:
EMAIL:
PHONE:
TRAINING ORGANIZATION/SPONSOR:
TRAINING DATE(S):
TRAINING ACTIVITY/CONTENT:
INSTRUCTOR(S) NAME(S):

INDIVIDUAL OVERSEEING IMPLEMENTATION OF, REVISING
AND/OR AMENDING THE SWPPP: TBD AND DOCUMENTED IN THIS SWPPP NARRATIVE PRIOR TO START OF CONSTRUCTION COMPANY NAME: ADDRESS CITY, STATE ZIP: FMAII · PHONE: TRAINING ORGANIZATION/SPONSOR: TRAINING DATE(S): TRAINING ACTIVITY/CONTENT:

INSTRUCTOR(S) NAME(S): INDIVIDUAL PERFORMING OR SUPERVISING THE INSTALLATION, MAINTENANCE AND REPAIR OF BMPS: TBD AND DOCUMENTED IN THIS SWPPP NARRATIVE PRIOR TO START OF CONSTRUCTION. NAME: ADDRESS CITY, STATE ZIP EMAIL: PHONE: TRAINING ORGANIZATION/SPONSOR: TRAINING DATE(S): TRAINING ACTIVITY/CONTENT INSTRUCTOR(S) NAME(S):

INSTALLATION TIMING OF EROSION PREVENTION AND SEDIMENT

EROSION AND SEDIMENT CONTROL BMP'S MUST BE INSTALLED AS NECESSARY TO MINIMIZE EROSION FROM DISTURBED SURFACES AND CAPTURE SEDIMENT ONSITE. ALL BMP'S MUST CONFORM TO MNR100001 PERMIT 2018. REFERENCE 7, 8 AND 9 OF THE NPDES PERMIT.

TEMPORARY EROSION CONTROL BMPS

THE GENERAL CONTRACTOR IS RESPONSIBLE FOR THE **EROSION PREVENTION PRACTICES CONTAINED IN MNR100001** PERMIT 2018 REFERENCE SECTION 8 OF THE NPDES PERMIT THE GENERAL CONTRACTOR MUST PLAN FOR AND IMPLEMENT APPROPRIATE CONSTRUCTION PHASING, VEGETATIVE BUFFER STRIPS, HORIZONTAL SLOPE GRADING AND OTHER CONSTRUCTION PRACTICES THAT MINIMIZE EROSION. THE LOCATION OF AREAS NOT TO BE DISTURBED MUST BE DELINEATED (MARKED) ON THE DEVELOPMENT SITE BEFORE WORK BEGINS.

EXAMPLES OF TEMPORARY EROSION CONTROL BMPS *POLY COVER STOCKPILE OR SLOPE

*CONSTRUCTION PHASING

PHASING MUST BE IMPLEMENTED TO ENSURE THAT MORE LAND THAN CAN BE EFFECTIVELY INSPECTED AND MAINTAINED IN ACCORDANCE WITH THE MNR100001 PERMIT IS NOT DISTURBED.

SEQUENCE OF CONSTRUCTION:

- 1. INSTALL STABILIZED CONSTRUCTION EXITS
- 2. PREPARE TEMPORARY PARKING, STORAGE AND STAGING AREA
- 3. CONSTRUCT THE SILT FENCES AT DOWNGRADIENT PERIMETER LOCATIONS
- 4. REMOVE EXISTING BITUMINOUS
- 5. REPLACE CENTERLINE AND APPROACH CULVERTS, INSTALL INLET PROTECTION AND ENERGY DISSIPATION
- 6. STRIP TOPSOIL, REMOVE AND RECONSTRUCT SUB CUT, GRADE DITCHES AND ROAD SLOPES REPLACE TOPSOIL, SEED AND STABILIZE EXPOSED SOILS WITHIN 7 OR 14 DAY STABILIZATION WINDOW (TOPSOIL STOCKPILES NOT REPLACED WITHIN 7 OR 14 DAY STABILIZATION WINDOW WILL NEED TO BE STABILIZED AND HAVE AN EFFECTIVE SEDIMENT CONTROL ON THE DOWNGRADIENT STOCKPILE PERIMETER)
- INSTALL AND MAINTAIN RAPID STABILIZATION, METHOD 3, AS NEEDED OR INSTALL PERENNIAL COVER.
- 8. CONSTRUCT 4" AGGREGATE BASE
- CONSTRUCT BITUMINOUS NON-WEAR AND WEARING COURSE
- 10. CONSTRUCT 3" AGGREGATE SHOULDER
- 11. REMOVE SYNTHETIC SEDIMENT CONTROL BMPS ONCE PERMANENT PERENNIAL VEGETATIVE COVER IS ESTABLISHED

*DISC ANCHORED STRAW

MNDOT REFERENCE:

- ➤ DISC ANCHORING SHALL BE DONE AS APPROPRIATE ACCORDING TO THE PLAN INCLUDED IN THIS SWPPF
- > DISK ANCHOR TYPE 1, TYPE 3, OR TYPE 8 MULCHES WITH A DISK ANCHORING TOOL AS REQUIRED BY THE CONTRACT IMMEDIATELY AFTER PLACEMENT UNLESS OTHERWISE APPROVED BY THE ENGINEER.

> DISK ANCHORING SHALL BE INSTALLED AS PER MNDOT SPEC, 2575,3,D.

*ROLLED EROSION CONTROL PRODUCTS

THE CONTRACTOR MUST MINIMIZE THE NEED FOR DISTURBANCE OF PORTIONS OF THE PROJECT THAT HAVE STEEP SLOPES (3:1 OR STEEPER). FOR THOSE SLOPED AREAS WHICH MUST BE DISTURBED, THE CONTRACTOR MUST USE TECHNIQUES SUCH AS PHASING AND STABILIZATION PRACTICES DESIGNED FOR STEEP SLOPES, SLICH AS DRAINING AND TERRACING. SLOPES STEEPER THAN 3:1 MUST BE PROTECTED BY EROSION CONTROL BLANKETS.

MNDOT REFERENCE:

- > ROLLED EROSION CONTROL PRODUCTS SHALL BE PLACED IN THE AREAS AS SHOWN ON THE PLAN INCLUDED IN THIS SWPPP
- > ROLLED EROSION CONTROL PRODUCTS SHALL BE EROSION CONTROL BLANKETS, TURF REINFORCEMENT MATS, OR WINTER BLANKETS, ACCORDING TO PLAN. MATERIALS SHALL MEET THE REQUIREMENTS OF MNDOT SPEC. 3885
- > ROLLED EROSION CONTROL PRODUCTS SHALL BE PLACED AS PER MNDOT SPEC. 2575.3.G.

*WOOD CHIPS *VEGETATION

MNDOT REFERENCE:

- > PROTECT AND PRESERVE VEGETATION PER THE REQUIREMENTS OF MNDOT SPEC. 2572.3.A.
- > BEFORE WORK BEGINS, PERMITTEES MUST DELINEATE THE LOCATION OF AREAS NOT TO BE

*MULCH

ALL DISTURBED SOIL AREAS SHALL BE TEMPORARILY MULCHED WITH RAPID STABILIZATION, METHOD 3. INITIATED IMMEDIATELY, WHEN THE AREA WILL NOT ACTIVELY BE WORKED FOR 14 DAYS (OR 7 DAYS PER SECTION 23).

3884, STABILIZED FIBER MATRIX, PLACED AT 330 LB. PER 1000 GAL. OF SLURRY MIX. SEED MIXTURE 22-111 PLACED AT A RATE OF 10 LB.

PER 1,000 GAL. OF SLURRY MIX. TYPE 3 SLOW RELEASE FERTILIZER 10-10-10 PLACED

AT A RATE OF 50 LB. PER 1000 GAL. OF SLURRY MIX. WATER PLACED AT A RATE OF 875 GAL PER 1,000 GAL OF SLURRY MIX APPLY MIXTURE AT A RATE OF 6000 GAL PER ACRE.

MNDOT REFERENCE:

- > MULCH SHALL BE PLACED IN THE AREAS AS SHOWN ON THE PLAN INCLUDED IN THIS SWPPP.
- > MULCH SHALL BE TEMPORARY, TYPE 1, TYPE 3, TYPE 4. TYPE 5. TYPE 6. TYPE 7. TYPE 8. TYPE 9. WINTER. OR HYDRAULIC MULCH ACCORDING TO PLAN. MATERIALS SHALL MEET THE REQUIREMENTS OF MNDOT SPEC. 3882 OR MNDOT SPEC. 3884.
- > MULCH SHALL BE APPLIED AS PER MNDOT SPEC. 2575.3.C OR MNDOT SPEC. 3575.3.E.

TEMPORARY SEDIMENT CONTROL BMPS

THE GENERAL CONTRACTOR IS RESPONSIBLE FOR THE SEDIMENT CONTROL PRACTICES CONTAINED IN MNR100001 PERMIT 2018 REFERENCE 9 OF THE NPDES PERMIT. SEDIMENT CONTROL PRACTICES MUST BE INSTALLED ON ALL DOWN GRADIENT PERIMETERS BEFORE ANY UPGRADIENT LAND DISTURBING ACTIVITIES BEGIN. THESE PRACTICES MUST REMAIN IN PLACE UNTIL PERMIT TERMINATION CONDITIONS HAVE BEEN ESTABLISHED IN ACCORDANCE WITH MNR100001 PERMIT 2018 REFERENCE 13 OF THE NPDES PERMIT

EXAMPLES OF TEMPORARY SEDIMENT CONTROL BMPS *SILT FENCE

MNDOT REFERENCE:

- SILT FENCE SHALL BE PLACED IN THE AREAS AS SHOWN ON THE PLAN INCLUDED IN THIS SWPPP.
- > SILT FENCE SHALL BE PREASSEMBLED, MACHINE SLICED, HAND INSTALLED, SUPER DUTY, OR TURBIDITY BARRIER TYPE ACCORDING TO PLAN MATERIALS SHALL MEET THE REQUIREMENTS OF MNDOT SPEC. 3886
- > SILT FENCE SHALL BE INSTALLED AS PER MNDOT SPEC. 2573.3.B.

*SEDIMENT CONTROL LOGS

MNDOT REFERENCE

- > SEDIMENT CONTROL LOGS SHALL BE PLACED IN THE AREAS AS SHOWN ON THE PLAN INCLUDED IN THIS
- > SEDIMENT CONTROL LOGS SHALL BE TYPE STRAW. WOOD FIBER, COIR, WOOD CHIP, COMPOST, ROCK OR WOOD FIBER AND BLANKET SYSTEMS AND MEET THE REQUIREMENTS OF MNDOT SPEC. 3897.
- > SEDIMENT CONTROL LOGS SHALL BE INSTALLED AS PER MNDOT SPEC, 2573,3,F.

*FILTER BERMS

SILT FENCE OR WINDROWED TOPSOIL WILL BE USED AS THE PRIMARY CONTROL. SEDIMENT CONTROL LOGS WILL BE USED AS SECONDARY CONTROL ALONG EACH SIDE OF ROADWAY AT ALL LOW POINTS AND AREAS OF HIGH VELOCITY DRAINAGE TO PREVENT SEDIMENT FROM DRAINING OFF ROADWAY

MNDOT REFERENCE:

- > FILTER BERMS SHALL BE PLACED IN THE AREAS AS SHOWN ON THE PLAN INCLUDED IN THIS SWPPP
- > FILTER BERMS SHALL BE TYPE 1, 2, 3, 4, OR 5 MATERIALS SHALL MEET THE REQUIREMENTS OF MNDOT SPEC, 3874.
- > FILTER BERMS SHALL BE INSTALLED AS PER MNDOT SPEC, 2573,3,E

*BALE BARRIERS

MNDOT REFERENCE:

- ➤ BALE BARRIERS SHALL BE PLACED IN THE AREAS AS SHOWN ON THE PLAN INCLUDED IN THIS SWPPP
- > BALE BARRIERS SHALL BE INSTALLED AS PER MNDOT SPEC, 2573.3.C.

*ROCK DITCH CHECK

*SEDIMENT CONTROL LOG DITCH CHECK

*ROCK / COMPOST LOG INLET PROTECTION

*SILT FENCE RING AND ROCK FILTER BERM INLET PROTECTION

*SLASH MULCH, CRUSHED ROCK, OR SHEET PAD CONSTRUCTION EXIT

ROCK CONSTRUCTION EXITS SHALL BE PLACED AT ALL LOCATIONS CONSTRUCTION VEHICLES WILL BE EXITING THE PROJECT AREA ONTO PAVED ROADS. IF THE CONTRACTOR CHOOSES TO ACCESS THE SITE FROM LOCATIONS OTHER THAN WHERE TEMPORARY ROCK CONSTRUCTION EXITS ARE SHOWN ON THE PLAN, ADDITIONAL CONSTRUCTION EXIT CONTROLS SHALL BE PLACED AT THESE LOCATIONS AS WELL. IF SEDIMENT TRACKING IS DISCOVERED ON ADJACENT PAVED ROADS, THE SEDIMENT SHALL BE REMOVED WITH A STREET SWEEPER OR OTHER APPROVED METHOD WITHIN ONE CALENDAR DAY OF DISCOVERY THIS SHALL BE DONE THROUGHOUT THE DURATION OF THE PROJECT. THE SEDIMENT MAY BE RETURNED TO THE EXPOSED AREAS OF THE SITE OR DISPOSED OF OFFSITE AS PER MPCA REQUIREMENTS.

MNDOT REFERENCE:

- > CONSTRUCTION EXIT CONTROLS SHALL BE PLACED IN THE AREAS AS SHOWN ON THE PLAN INCLUDED IN THIS SWPPP
- > CONSTRUCTION EXIT CONTROLS SHALL BE CONSTRUCTED WITH SLASH MULCH, CRUSHED ROCK, TEMPORARY PAVING, REINFORCED GEOTEXTILE, SHEET PADS, FLOATING ROAD, TIMBER
- PAD, OR RUMBLE PAD.

 > CONSTRUCTION EXIT CONTROLS SHALL BE

INSTALLED AS PER MNDOT SPEC. 2573.3.K.

*RUMBLE PAD CONSTRUCTION EXIT *CULVERT END CONTROLS

MNDOT REFERENCE:

- > CULVERT END CONTROLS SHALL BE PLACED IN THE AREAS AS SHOWN ON THE PLAN INCLUDED IN THIS
- > CULVERT END CONTROLS SHALL BE INSTALLED AS PER MNDOT SPEC. 2573.3.L.

*STORM DRAIN AND TILE INLET PROTECTION

MNDOT REFERENCE:

- > STORM DRAIN INLET PROTECTION SHALL BE PLACED IN THE AREAS AS SHOWN ON THE PLAN INCLUDED IN
- > STORM DRAIN INLET PROTECTION SHALL BE INSTALLED AS PER MNDOT SPEC, 2573,3,M,

*SEDIMENT CONTROL LOG WEIR CULVERT INLET *WOOD PLANK WEIR CULVERT INLET PROTECTION

- *GEOTEXTILE FABRIC CULVERT INLET PROTECTION > GEOTEXTILE FABRIC CULVERT INLET PROTECTION SHALL BE PLACED IN THE AREAS AS SHOWN ON THE PLAN INCLUDED IN THIS SWPPP
- > GEOTEXTILE FABRIC CUI VERT INLET PROTECTION SHALL MEET REQUIREMENTS OF MNDOT SPEC. 3886 GEOTEXTILE FABRIC CULVERT INLET PROTECTION

A). CULVERT INLET PROTECTION SHALL BE PROVIDED AT ALL CUI VERT INLET LOCATIONS IMMEDIATELY AFTER CONSTRUCTION OF THE CULVERT. SEE PLAN INCLUDED IN THIS SWPPP FOR CULVERT INLET LOCATIONS B). CULVERT INLET PROTECTION SHALL CONSIST

OF GEOTEXTILE FABRIC WRAPPED AROUND, AND COMPLETELY COVERING THE INLET END SECTION. THE GEOTEXTILE FABRIC SHALL BE THE SAME

FABRIC USED IN SILT FENCE APPLICATIONS AND MEET THE REQUIREMENTS OF MNDOT SPEC. 3886. C). THE CULVERT INLET PROTECTION SHALL REMAIN IN PLACE AND ADEQUATELY MAINTAINED UNTIL PERMIT TERMINATION CONDITIONS HAVE BEEN ESTABLISHED. D). CULVERT INLET PROTECTION SHALL BE REPAIRED OR REPLACED IF DAMAGED DURING, OR AFTER, RAIN EVENTS, OR IF ACCUMULATED SEDIMENT REACHES ½ OF THE DIAMETER OF THE CULVERT PIPE. REPAIR

OR REPLACEMENT OF CULVERT INLET PROTECTION SHALL BE COMPLETED WITHIN 24 HOURS OF DISCOVERY.

*TEMPORARY SEDIMENT BASINS CONTRACTOR MAY CONSTRUCT TEMPORARY SEDIMENTATION BASINS IN ACCORDANCE WITH MNR100001 PERMIT 2018 REFERENCE 14 OF THE NPDES PERMIT.

*TEMPORARY DIVERSION DITCH

MEASURES SHOULD BE TAKEN TO ENSURE THAT "CLEAN" RUNOFF FROM OFF SITE IS DIVERTED AROUND DISTURBED AREAS ON SITE. CARE SHOULD BE TAKEN THAT RE-ROUTING OFF SITE RUNOFF DOES NOT RESULT IN FLOODING OR OTHER ISSUES ON ADJACENT PROPERTIES

PERMANENT EROSION COVER METHODS FOR ALL EXPOSED SOIL AREAS:

- GRAVEI
- BITUMINOUS
- RIP RAP

PERENNIAL COVER

PERMANENT EROSION CONTROL WILL BE ACHIEVED WITH A DENSITY OF 70% OF THE NATIVE BACKGROUND VEGETATION BY USING SEED MIXTURE 25-142 AT A RATE OF 45 LBS/AC OF PURE LIVE SEED, TYPE 1 FERTILIZER WITH A COMPOSITION OF 19-19-19 AT A RATE OF 200 LBS/AC, OR SEED MIXTURE 25-151 AT A RATE OF 200 LBS/AC OF PURE LIVE SEED, TYPE 1 FERTILIZER WITH A COMPOSITION OF 19-19-19 AT A RATE OF 200 LBS/AC AND HYDRAULIC SOIL STABILIZER, TYPE 5 AT A RATE OF 2100 LBS/AC, OR DISC ANCHORED STRAW MULCH, OR EROSION CONTROL BLANKET ON ALL DISTURBED CONSTRUCTION AREAS PER PLAN.

STORMWATER MITIGATION MEASURES PROPOSED AS PART OF ENVIRONMENTAL ENDANGERED SPECIES, ARCHAEOLOGICAL OR OTHER REQUIRED LOCAL, STATE OR FEDERAL REVIEWS CONDUCTED BY THE PROJECT. THERE WERE NO LOCAL STATE OR FEDERAL ENVIRONMENTAL, ENDANGERED SPECIES, OR ARCHAEOLOGICAL REVIEWS REQUIRED FOR THIS PROJECT

DISCHARGES TO ANY U.S. EPA APPROVED TMDL FOR THE POLLUTANTS/STRESSORS DESCRIBED IN MNR100001 PERMIT

2018 REFERENCE ITEM 23.7

CANBY CREEK AND DEL CLARK LAKE ARE WITHIN ONE MILE OF PROJECT BUT NO DIRECT CROSSINGS. MNR10001 PERMIT REFERENCE 23.9 (STABILIZATION OF EXPOSED SOIL AREAS INITIATED IMMEDIATELY AND STABILIZED WITHIN 7

PERMANENT STORMWATER TREATMENT SYSTEM: THE INCREASE IN IMPERVIOUS AREA IS LESS THAN ONE ACRE. THERE IS NO PERMANENT STORMWATER TREATMENT PLANNED FOR THIS PROJECT

PROCEDURES TO AMEND SWPPP: THE GENERAL CONTRACTOR MUST AMEND THE SWPPP AS NECESSARY TO INCLUDE ADDITIONAL REQUIREMENTS, SUCH AS ADDITIONAL OR MODIFIED BMP'S, DESIGNED TO CORRECT PROBLEMS OR ADDRESS SITUATIONS IN ACCORDANCE WITH MNR100001 PERMIT 2018 REFERENCE 6 OF THE NPDES PERMIT.

AMENDMENTS TO THE SWPPP:

DATE

DATE DATE DATE

METHODS TO MINIMIZE SOIL COMPACTION AND TO PRESERVE TOPSOIL: THE GENERAL CONTRACTOR SHALL MINIMIZE COMPACTION AND PRESERVE TOPSOIL AS MUCH AS POSSIBLE AT THE SITE. IN PERVIOUS "GREEN" AREAS THAT ARE NOT ESSENTIAL TO THE CONSTRUCTION OF THE PROJECT, THE GENERAL CONTRACTOR SHALL AVOID CONSTRUCTION TRAFFIC AND MAINTAIN THE EXISTING CONDITION OF THESE AREAS

STORMWATER CONTROL DESIGN: THE INCREASE IN IMPERVIOUS AREA IS LESS THAN ONE ACRE. THERE IS NO PERMANENT STORMWATER TREATMENT PLANNED FOR THIS PROJECT

CHEMICAL TREATMENT SYSTEMS TO ENHANCE SEDIMENTATION:

THERE IS NO CHEMICAL TREATMENT TO ENHANCE SEDIMENTATION ANTICIPATED FOR THIS PROJECT.

FLOCCULANTS

MNDOT REFERENCE:

- > FLOCCULANTS SHALL BE APPLIED AS SPECIFIED ON THE PLAN INCLUDED IN THIS SWPPP
- > LIQUID, STOCK, OR GRANULAR FLOCCULANT SHALL BE USED AND MEET REQUIREMENTS OF MNDOT SPEC. 3898.
- > FLOCCULANTS SHALL BE INSTALLED AS PER MNDOT SPEC. 2573.3.N.

1/10/2025

MPERVIOUS SURFACES PRE- AND POST-CONSTRUCTION:

EXISTING IMPERVIOUS = 9.10 AC PROPOSED IMPERVIOUS AREA = 9.10 AC

INFEASIBILITY DOCUMENTATION REQUIREMENTS: THE TY-FOOT NATURAL BUFFER IS FEASIBLE IN DRAINAGE AREAS.

SITE ASSESSMENTS FOR GROUNDWATER OR SOIL CONTAMINATION: NO SITE ASSESSMENTS WERE MADE FOR GROUNDWATER OR SOIL CONTAMINATION DUE TO NO PERMANENT STORMWATER TREATMENT PLANNED FOR THE

TABULATED QUANTITIES:

ITEM

EST. QUANT

Mulch

12.4 Ton

CONSTRUCTION ACTIVITY REQUIREMENTS:

EROSION PREVENTION MEASURES

- EXPOSED SOILS (INCLUDING STOCKPILES) HAVE EROSION PROTECTION/COVER INITIATED IMMEDIATELY AND COMPLETED WITHIN 14 DAYS (OR 7 DAYS PER SECTION 23).
- FOR DNR PUBLIC WATERS WITH "WORK IN WATERS RESTRICTIONS" DURING SPECIFIED FISH SPAWNING TIME FRAMES, STABILIZATION MUST BE COMPLETED FOR ALL EXPOSED SOIL AREAS WITHIN 200 FEET OF THE WATER'S EDGE, AND DRAINING TO THE WATER, WITHIN 24 HOURS DURING THE RESTRICTION PERIOD.
- THE WETTED PERIMETER OF THE LAST 200 LINEAR FEET OF DITCHES MUST BE STABILIZED WITHIN 24 HOURS OF CONNECTING TO A SURFACE WATER OR PROPERTY LINE
- TEMPORARY OR PERMANENT DITCHES OR SWALES THAT ARE BEING USED AS A SEDIMENT CONTAINMENT SYSTEM DURING CONSTRUCTION MUST BE STABILIZED

- WITHIN 24 HOURS AFTER NO LONGER BEING USED AS A
- SEDIMENT CONTAINMENT SYSTEM.
 PIPE OUTLETS MUST HAVE ENERGY DISSIPATION WITHIN 24 HOURS OF CONNECTING TO A SURFACE WATER OR PERMANENT STORMWATER TREATMENT SYSTEM.
- MULCH, HYDROMULCH, TACKIFIER, POLYACRYLAMIDE, OR SIMILAR EROSION PREVENTION PRACTICES CANNOT BE USED WITHIN THE NORMAL WETTED PERIMETER OF DRAINAGE DITCHES OR SWALE SECTIONS WITH A CONTINUOUS SLOPE GREATER THAN

- SEDIMENT CONTROL MEASURES

 SEDIMENT CONTROL PRACTICES SHALL BE ESTABLISHED ON DOWNGRADIENT PERIMETERS AND UPGRADIENT OF ANY BUFFER ZONES.
- SEDIMENT CONTROL PRACTICES SHALL BE ESTABLISHED AT THE BASE OF STOCKPILES ON THE DOWNGRADIENT
- STOCKPILES ARE TO BE LOCATED OUTSIDE OF NATURAL BUFFERSOR SURFACE WATERS, INCLUDING STORMWATER CONVEYANCES (E.G., CURB AND GUTTER SYSTEMS) UNLESS THERE IS A BYPASS.
- DROP INLET AND CULVERT INLET PROTECTION BMPS SHALL BE INSTALLED ACCORDING TO PLAN.
 VEHICLE TRACKING BMPS SHALL BE ESTABLISHED WHERE
- VEHICLES ARE EXITING THE SITE TO MINIMIZE STREET TRACKING. SEDIMENT TRACKED ONTO A PUBLIC STREET SHALL BE REMOVED WITHIN 24 HOURS.
- PLANS TO PRESERVE TOPSOIL (UNLESS INFEASIBLE) SHALL BE DEVELOPED.
- PLANS TO MINIMIZE SOIL COMPACTION SHALL BE DEVELOPED.
- DISCHARGES FROM BMPS SHALL BE DIRECTED TO VEGETATED AREAS, UNLESS INFEASIBLE.
 50-FOOT NATURAL BUFFERS SHALL BE PRESERVED OR (IF
- MAINTAINING BUFFER IS INFEASIBLE) REDUNDANT SEDIMENT CONTROLS SHALL BE PROVIDED WHEN A SURFACE WATER IS LOCATED WITHIN 50 FEET OF THE PROJECT'S EARTH DISTURBANCES AND DRAINS TO THE SURFACE WATER

DEWATERING AND BASIN DRAINING:

- IF DEWATERING IS REQUIRED ON THE SITE, THERE MUST BE A PLAN IN PLACE TO PREVENT NUISANCE CONDITIONS, EROSION, AND INUNDATION OF WETLANDS.
 - DEWATERING RELATED TO THE CONSTRUCTION ACTIVITY MUST COMPLY WITH MNR100001 PERMIT 2018 REFERENCE 10 OF THE NPDES PERMIT. DEWATERING DISCHARGE THAT MAY HAVE TURBIC OR SEDIMENT LADEN DISCHARGE MUST BE DISCHARGED TO A TEMPORARY OR PERMANENT SEDIMENTATION BASIN ON THE PROJECT SITE WHENEVER POSSIBLE AND BMP'S MUST BE IMPLEMENTED TOPREVENT WATER CONTAINING SEDIMENT OR OTHER POLLUTANTS FROM BEING DISCHARGED TO SURFACE WATERS OR DOWNSTREAM PROPERTIES
- IF USING FILTERS WITH BACKWASH WATER, BACKWASH WATER MUST BE HAULED AWAY FOR DISPOSAL, RETURNED TO THE BEGINNING OF THE TREATMENT PROCESS, OR INCORPORATED INTO THE SITE IN A MANNER THAT DOES NOT ERODE INTO RUNOFF.

INSPECTION REQUIREMENTS:

- THE SWPPP MUST IDENTIFY THE TRAINED PERSON (AS
- IDENTIFIED IN ITEM 21.2.B) WHO WILL CONDU INSPECTIONS. INSPECTIONS MUST BE PERFORMED ONCE EVERY 7 DAYS.

- INSPECTIONS MUST BE PERFORMED WITHIN 24 HOURS OF A RAIN EVENT GREATER THAN 0.5 INCHES IN 24 HOURS
- INSPECTION AND MAINTENANCE RECORDS SHOULD INCLUDE
 - 1. DATE AND TIME OF INSPECTION.
 - 2. NAME OF PERSON(S) CONDUCTING INSPECTIONS.
 - 3. FINDINGS OF INSPECTIONS, INCLUDING THE SPECIFIC LOCATION WHERE CORRECTIVE ACTIONS ARE NEEDED.
 - 4. CORRECTIVE ACTIONS TAKEN (INCLUDING DATES, TIMES, AND PARTY COMPLETING MAINTENANCE ACTIVITIES).
 - 5. DATE AND AMOUNT OF RAINFALL EVENTS GREATER THAN 0.5 INCH IN 24 HOURS.

 6. RAINFALL AMOUNTS MUST BE OBTAINED BY A
 - PROPERLY MAINTAINED RAIN GAUGE INSTALLED ONSITE, OR BY A WEATHER STATION THAT IS WITHIN ONE MILE OR BY A WEATHER REPORTING SYSTEM.
 - 7. REQUIREMENTS TO OBSERVE ANY DISCHARGE THAT MAY BE OCCURRING DURING THE INSPECTION, DISCHARGE SHOULD ALSO BE DESCRIBED AND PHOTOGRAPHED.

- MAINTENANCE REQUIREMENTS:

 ALL NONFUNCTIONAL BMPS MUST BE REPAIRED, REPLACED, OR SUPPLEMENTED WITH FUNCTIONAL BMPS BY THE END OF THE NEXT BUSINESS DAY AFTER DISCOVERY, OR AS SOON AS FIELD CONDITIONS ALLOW
- PERIMETER CONTROL DEVICES MUST BE REPAIRED REPLACED, OR SUPPLEMENTED WHEN NONFUNCTIONAL OR SEDIMENT REACHES ONE-HALF THE HEIGHT OF THE
- TEMPORARY AND PERMANENT SEDIMENT BASINS MUST BE DRAINED, AND SEDIMENT REMOVED WHEN THE DEPTH OF SEDIMENT COLLECTED REACHES ONE-HALF STORAGE VOLUME.
- ALL SEDIMENT DEPOSITS AND DELTAS MUST BE REMOVED FROM SURFACE WATERS (INCLUDING DRAINAGE WAYS, CATCH BASINS, AND OTHER DRAINAGE SYSTEMS) AND THE REMOVAL AREAS RESTABILIZED WITHIN SEVEN DAYS
- SEDIMENT ON PAVED SURFACES (E.G., SEDIMENT TRACKED FROM VEHICLES) MUST BE REMOVED WITHIN ONE CALENDAR DAY OF DISCOVERY
- PERMANENT STORMWATER TREATMENT BMPS MUST BE INSPECTED AND MAINTAINED. THERE ARE NO PERMANENT STORMWATER BMPS FOR THIS PROJECT

POLLUTION PREVENTION MANAGEMENT MEASURES:

PROPER STORAGE, HANDLING, AND DISPOSAL OF CONSTRUCTION PRODUCTS, MATERIALS, AND WASTES

HAZARDOUS MATERIALS AND TOXIC WASTE (INCLUDING OIL, DIESEL FUEL, GASOLINE, HYDRAULIC FLUIDS, PAINT SOLVENTS, PETROLEUM-BASED PRODUCTS WOOD PRESERVATIVES ADDITIVES CURING COMPOUNDS, AND ACIDS) MUST BE STORED IN WATERPROOF CONTAINERS WITH SECONDARY CONTAINMENT STORAGE AND DISPOSAL OF HAZARDOUS WASTE MUST BE IN COMPLIANCE WITH MPCA REGULATIONS. RUNOFF CONTAINING SUCH MATERIAL MUST BE COLLECTED, REMOVED FROM THE SITE, TREATED, AND DISPOSED AT AN APPROVED SOLID WASTE OR CHEMICAL DISPOSAL FACILITY. BUILDING PRODUCTS THAT HAVE THE POTENTIAL TO LEACH POLITIANTS AND PESTICIDES FERTILIZERS FREATMENT CHEMICALS AND LANDSCAPE MATERIALS

MUST BE UNDER COVER BY PLASTIC SHEETING OR TEMPORARY ROOFS TO PREVENT DISCHARGE OR PROTECTED BY SIMILAR EFFECTIVE MEANS TO PREVENT CONTACT WITH STORMWATER.

ADDRESS FUELING AND MAINTENANCE OF EQUIPMENT OR VEHICLES AND SPILL PREVENTION AND RESPONSE

SPILL CLEANUP MATERIALS MUST BE AVAILABLE ON SITE. MATERIAL SHALL INCLUDE BUT NOT LIMITED TO BROOMS, MOPS, RAGS, GLOVES, ABSORBENT MATERIAL, SAND PLASTIC AND METAL CONTAINERS. SPILLS GREATER THAN 5 GALLONS THAT REACH STORM WATER CONVEYANCE SYSTEMS CONNECTED TO A WATER OF THE STATE MUST BE IMMEDIATELY REPORTED TO THE MPCA STATE DUTY OFFICER.

LIMIT EXTERIOR VEHICLE AND EQUIPMENT WASHING

TO A DEFINED AREA OF THE SITE.

EXTERNAL WASHING OF TRUCKS AND OTHER CONSTRUCTION VEHICLES MUST BE LIMITED TO A DEFINED AREA OF THE SITE. RUNOFF MUST BE CONTAINED, AND WASTE PROPERLY DISPOSED

DESCRIBE OF THE CONTAINMENT FOR CONCRETE AND OTHER WASHOUT WASTES.

CONCRETE WASHOUT SITE: ALL LIQUID AND SOLID WASTES GENERATED BY CONCRETE WASHOUT OPERATIONS MUST BE CONTAINED IN A LEAK PROOF CONTAINMENT FACILITY OR IMPERMEABLE LINER. THE LIQUID AND SOLID WASTES MUST NOT CONTACT THE GROUND, AND THERE MUST NOT BE RUNOFF FROM THE CONCRETE WASHOUT OPERATIONS OR AREAS. LIQUID AND SOLID WASTES MUST BE DISPOSED OF PROPERLY AND IN COMPLIANCE WITH THE MPCA REGULATIONS. A SIGN MUST BE INSTALLED ADJACENT TO EACH WASHOUT FACILITY TO INFORM CONCRETE EQUIPMENT OPERATORS TO UTILIZE THE PROPER FACILITIES.

PORTABLE TOILETS MUST BE POSITIONED SO THAT THEY ARE SECURE

LICENSED SANITARY WASTE MANAGEMENT HANDLER MUST DISPOSE OF SANITARY WASTE.

PERMIT TERMINATION CONDITIONS:

- PERMANENT UNIFORM PERENNIAL VEGETATIVE COVER MUST BE ESTABLISHED AT 70% DENSITY OF ITS EXPECTED FINAL GROWTH
- THE PERMANENT STORMWATER TREATMENT SYSTEM IS CONSTRUCTED, MEETS ALL REQUIREMENTS, AND IS OPERATING AS DESIGNED.
- ALL TEMPORARY SYNTHETIC EROSION PREVENTION AND SEDIMENT CONTROL BMPS MUST BE REMOVED AND THE SURROUNDING AREA MUST BE RESTORED TO AS DESIGNED.

 CLEAN OUT SEDIMENT FROM CONVEYANCE
- SYSTEMS AND PERMANENT STORMWATER TREATMENT SYSTEMS (RETURN TO DESIGN CAPACITY).

P.E. LIC. 58376

FOR RESIDENTIAL SITES, INSTALL TEMPORARY EROSION PROTECTION AND DOWNGRADIENT PERIMETER CONTROL AND DISTRIBUTE THE MPCA'S HOMEOWNER FACT SHEET SUBMIT A NOTICE OF TERMINATION (NOT) TO THE

- RECORD RETENTION REQUIREMENTS:
 - PERMITTEES MUST KEEP THE SWPPP, INCLUDING ALL CHANGES TO IT, AND INSPECTIONS AND MAINTENANCE RECORDS AT THE SITE DURING NORMAL WORKING HOURS BY PERMITTEES WHO HAVE OPERATIONAL CONTROL OF THAT PORTION OF THE SITE.

THE SWPPP AND ASSOCIATED RECORDS SHALL BE STORED AND MAINTAINED BY AN EMPLOYEE OR REPRESENTATIVE OF THE OWNER FOR 3 YEARS AFTER THE SUBMISSION OF THE NOTICE OF TERMINATION (NOT). RESPONSIBILITY FOR OVERSEEING THE RECORDS WILL BE TRANSFERRED TO ANOTHER EMPLOYEE OR REPRESENTATIVE SHOULD THE CURRENT PERSONNEL BECOME UNINVOLVED WITH THE PROJECT OR OWNER. THESE RECORDS SHALL INCLUDE THE FOLLOWING:

1) THE FINAL SWPPP

2). ANY OTHER STORMWATER RELATED PERMITS

REQUIRED FOR THE PROJECT

3). RECORDS OF ALL INSPECTION AND MAINTENANCE

CONDUCTED DURING CONSTRUCTION 4). ALL PERMANENT OPERATION AND MAINTENANCE AGREEMENTS THAT HAVE BEEN IMPLEMENTED. INCLUDING ALL RIGHT-OF-WAY, CONTRACTS,

COVENANTS AND OTHER BINDING REQUIREMENTS REGARDING PERPETUAL

5). ALL REQUIRED CALCULATIONS FOR DESIGN OF THE TEMPORARY AND PERMANENT STORMWATER MANAGEMENT SYSTEMS.

ADDITIONAL CONTENT FOR MNDOT SWPPP NARRATIVES

MNDOT 2573.3 CONSTRUCTION REQUIREMENTS:
PERMITTEES MUST COMPLY WITH MINNESOTA 2020 STANDARD
SPECIFICATIONS STORM WATER MANAGEMENT CONSTRUCTION REQUIREMENTS 2573.3 A THRU S.

EROSION CONTROL SUPERVISOR: TBD AND DOCUMENTED IN
SWPPP NARRATIVE PRIOR TO START OF CONSTRUCTION.
COMPANY:
NAME:
ADDRESS:
CITY, STATE ZIP:
EMAIL:
PHONE:
TRAINING ORGANIZATION/SPONSOR:
TRAINING DATE(S):
TRAINING ACTIVITY/CONTENT:
INCTRUCTOR(C) NAME(C):

CHAIN OF RESPONSIBILITY: TBD AND DOCUMENTED IN THIS SWPPP NARRATIVE PRIOR TO START OF CONSTRUCTION

PROJECT LOCATION: STA. 11+00 IS LOCATED AT .8 MI. EAST OF JCT. 160TH ST., SE CORNER SECTION 7, NORMAN TOWNSHIP, YELLOW MEDICINE COUNTY, MN, T114N – R45W. STA. 184+98 IS LOCATED AT THE JCT. TH68, NE 1/4 SECTION 4, NORMAN, YELLOW MEDICINE COUNTY, MN, T114N – R45W.

SOILS MAP: NOT TO SCALE

DESCRIPTION	TITLE	LOCATION
SUMMARY OF PERVIOUS AND IMPERVIOUS	SWPPP NARRATIVE	SHEET 4
DIRECTION OF FLOW	PLAN AND PROFILE	N/A
RECEIVING SURFACE WATER	SWPPP NARRATIVE	SHEETS 4 TO 6
SOIL MAP	EROSION CONTROL PLAN	SHEETS 4 TO 6
FINAL STABILIZATION	EROSION CONTROL PLAN	SHEETS 4 TO 6
DRAINAGE STRUCTURES	N/A	N/A
DRAINAGE TABULATIONS	N/A	N/A
EROSION CONTROL TABULATION	EROSION CONTROL TABULATIONS	SHEETS 5
EROSION CONTROL SHEETS	EROSION CONTROL PLAN	SHEET 4 TO 6
EROSION CONTROL DETAILS	EROSION CONTROL DETAILS	SHEETS 4 TO 6
STORM SEWER TABULATION	N/A	N/A
STORM SEWER PLANS	N/A	N/A
STORM SEWER DETAILS	N/A	N/A
POND TABULATIONS	N/A	N/A
POND SHEETS	N/A	N/A
LOCATION OF PONDS	N/A	N/A

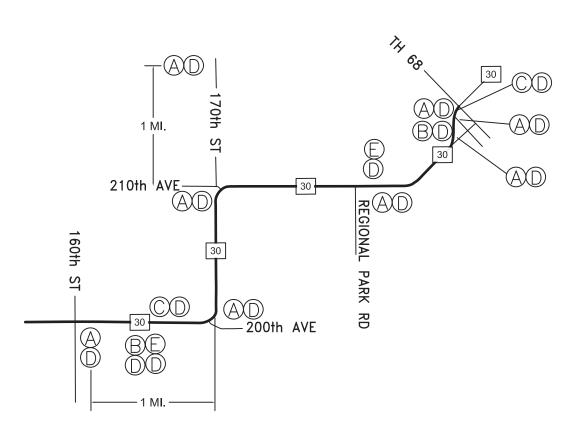
AGENCY	PERMIT	NAME	PHONE NUMBER
MPCA	NPDES	MPCA SW REGION	507-537-7146
YELLOW MEDICINE COUNTY (OWNER)			320-313-3002
SWCD	WCA	BRAYDEN ANDERSON	320-669-4442 X3
DNR	GENERAL WATERS	KYLE JERCHO	507-706-6170
WATERSHED DISTRICT		MICHELLE OVERHOUSER	507-872-6720
COE	404	ST. PAUL OFFICE	651-290-5375
SWPPP DESIGN	NPDES	TONY SATHER	320-313-3000
EC SUPERVISOR	NPDES	TBD	
MPCA DUTY OFFICER			1-800-422-0798



TRAFFIC CONTROL



	SIGN OR DEVICE	SIGN NO.	COLOR	SIZE	EST. QUANTITY
А	ROAD WORK AHEAD	W20-3	BLACK ON ORANGE	36" X 36"	8 (8 WITH FLASHERS)
В	ROAD WORK NEXT MILES	G20-1	BLACK ON ORANGE	60" X 24"	2 MILES QTY: 2 (2 WITH FLASHERS)
С	END ROAD WORK	G20-2a	BLACK ON ORANGE	48" X 24"	2
D	<u></u>	TYPE A FLASHER	YELLOW		14 (INCLUDES 2 FLASHERS PER BARRICADE, AND THE OTHERS SHOWN ABOVE)
E	ROAD CLOSED TO THRU TRAFFIC	R11-4	BLACK ON WHITE	60" X 30"	2 (2 WITH FLASHERS)



NOTES:

ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION OF THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. INCLUDING THE LATEST FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

THE EXACT LOCATION OF TRAFFIC CONTROL DEVICES WILL BE DETERMINED BY THE CONTRACTOR, SUBJECT TO THE APPROVAL OF THE ENGINEER.

ALL TRAFFIC CONTROL DEVICES SHOWN, ON THE "WORK SITE PLAN", THIS SHEET, UNLESS OTHERWISE INDICATED, SHALL BE FURNISHED, INSTALLED, MAINTAINED, REMOVED BY, AND REMAIN PROPERTY OF THE CONTRACTOR.

UNLESS OTHERWISE DIRECTED BY THE ENGINEER, ALL SIGNS SHOWN (EXCEPT BARRICADE MOUNTED SIGNS) SHALL BE FASTENED TO TWO UPRIGHT POST EXTENDED FROM TWO DRIVEN GROUND POST. ALL SIGNS SHALL CONFORM TO THE HEIGHT REQUIREMENTS OF SECTION 2A - 18 OF THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

ALL WARNING SIGNS SHALL HAVE BLACK LETTERS ON ORANGE COLORED, DIAMOND GRADE, RETROFLECTIVE SHEETING. REGULATORY SIGNS SHALL CONFORM IN LETTER SIZE AND COLOR TO THE REQUIREMENTS SPECIFIED IN THE MINNESOTA STANDARD SIGNS MANUAL, INCLUDING THE TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS (FIELD MANUAL).

TRAFFIC CONTROL SIGNS MAY BE INSTALLED ON PORTABLE STANDS IN LOCATIONS APPROVED BY THE ENGINEER.

CONSTRUCTION ZONE SIGNING IS ALSO THE RESPONSIBILITY OF THE CONTRACTOR. SIGNS REQUIRED INCLUDE, BUT ARE NOT LIMITED TO, ROAD CONSTRUCTION AHEAD, LOW SHOULDER, DIP, BUMP, FRESH OIL, FLAG PERSON, NUMBER OF SIGNS AND LOCATION DETERMINED BY CONTRACTOR'S OPERATION. ALL SIGNS SHALL CONFORM TO THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. INCLUDING THE TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS (FIELD MANUAL).

ALL SIGNS SHALL HAVE FLASHERS.

ALL FLASHERS SHOULD BE ON SIDE NEAREST ROAD.

SIGN DIMENSIONS ARE IN ENGLISH UNITS.

THE SIGNING AND CHANNELIZATION DEVICE TABULATION SHOWN IS FOR INFORMATIONAL PURPOSES. ADDITIONAL SIGNS AND DEVICES SHALL BE PROVIDED, AS REQUIRED, WITH NO ADJUSTMENT IN THE UNIT PRICE BID FOR ITEM "TRAFFIC CONTROL", LUMP SUM.

CERTIFIED BY

P.E. LIC. 58376 1/10/2025

SAP 087-630-007

SHEET 7 OF 7 SHEETS

MINNESOTA DEPARTMENT OF TRANSPORTATION

COUNTIES OF REDWOOD & YELLOW MEDICINE

CONSTRUCTION PLAN FOR BITUMINOUS MILL & OVERLAY, AGGREGATE SHOULDERS, AND STRIPING.

LOCATED ON CSAH 46 WEST COUNTY LINE AND TH 67/19 2.5 MILES NW OF VESTA (GEOGRAPHIC) NW CORNER SECTION 6 T-112-N R-39-W, TO THE N 1/4 CORNER SECTION 4 T-112-N R-38-W (LEGAL)

S.A.P. 064-646-008

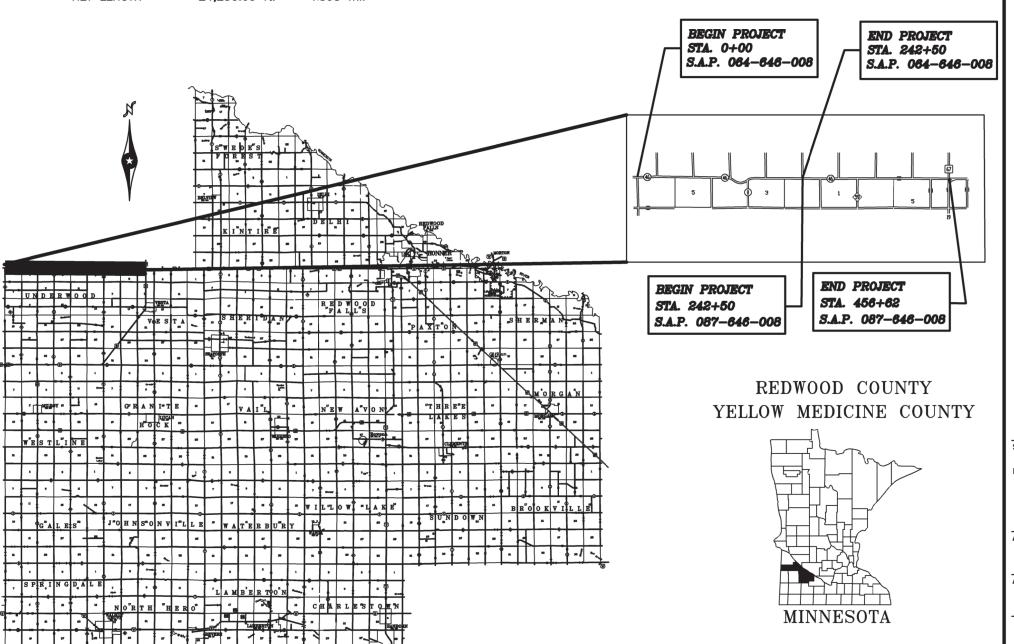
S.A.P.

087-646-008

ROSS LENGTH	04.050.00.4	4.593 m
KUSS LENGIN	24,250.00 ft.	4.593 II
RIDGE LENGTH	000.00 ft.	0.000 m
XCEPTIONS	0000.00 ft.	0.000 m
IET LENGTH	24,250.00 ft.	4.593 m

GROSS LENGTH BRIDGE LENGTH **EXCEPTIONS NET LENGTH**

21,412.00 ft. 4.055 mi. 000.00 ft. 0.000 mi. 0000.00 ft. 0.000 mi. 21,412.00 ft. 4.055 mi.



SCALES

1"=100'

PLANS SYMBOLS

STATE LINE COUNTY LINE

SECTION LINE QUARTER LINE

SIXTEENTH LINE

RAILROAD

DRY RUN

CULVERT DROP INLET

GUARD RAIL BARBED WIRE FENCE WOVEN WIRE FENCE

CHAIN LINK FENCE RAILROAD SNOW FENCE

MEANDER CORNER

DECIDUOUS TREE

CATCH BASIN FIRE HYDRANT

BRIGDE

IRON PIPE OR ROD MONUMENT (Stone,Co WOODEN HUB GRAVEL PIT SAND PIT BORROW PIT ROCK QUARRY

POWER POLE LINE TELEPHONE OR TELEGRAPH POLE LINE

ANCHOR

GAS MAIN

STEEL TOWER

STREET LIGHT

TELEPHONE MANHOLE ELECTRIC MANHOLE

BURIED TELEPHONE CABLE BURIED ELECTRIC CABLE

AERIAL TELEPHONE CABLE SEWER (SANITARY OR STORM) SEWER MAN-HOLE

JOINT TELEPHONE & POWER ON POWER POLES

CONIFEROUS TREE

MARSH

RIVER OR CREEK

RIGHT-OF-WAY LINE

PRESENT RIGHT-OF-WAY LINE-

PROPERTY LINE(Except Land Line) -

RAILROAD RIGHT-OF-WAY LINE -

VACATED PLATTED PROPERTY-----

STONE WALL OR FENCE

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UTILITIES

CONDUIT
TELEPHONE CABLE IN CONDUIT — I ELECTRIC CABLE IN CONDUIT

8

C.B. □

TRUNK HIGHWAY CENTER LINE

CONTROL OF ACCESS LINE

PROFILE 1"=100'

BALANCE PTS. = O

S.A.P. 064-646-008

S.A.P. 087-646-008

## **GOVERNING SPECIFICATIONS**

THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN

ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION OF THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, INCLUDING THE LATEST FIELD MANUAL FOR TEMPORARY

## SHEET INDEX

TITLE SHEET SHEET NO. 1 SHEET NO. 2 EST. QTYS. SHEET NO. 3 **GENERAL NOTES** 

SHEET NO. 4-5 TYPICAL SECTIONS, MISC. DETAILS

TRAFFIC CONTROL SHEET NO. 6

\*\*THIS PLAN CONTAINS 6 SHEETS\*\*

## REDWOOD COUNTY **DESIGN DESIGNATION**

| ESALS (20 YEAR)        | 192,000 |
|------------------------|---------|
| R VALUÈ                | 16.0    |
| ADT (2024)             | 560     |
| PROJĚCTEĎ ADT (2044)   | 638     |
| PROJECTED HCADT (2044) | 9.01%   |
| SHOULDER WIDTH         | 4ft.    |
| DESIGN 10 ton          |         |

## YELLOW MEDICINE COUNTY **DESIGN DESIGNATION**

| ESALS (20 YEAR)        | 261,000 |
|------------------------|---------|
| R VALUÈ                | 16.0    |
| ADT (2024)             | 540     |
| PROJÈCTED ADT (2044)   | 660     |
| PROJECTED HCADT (2044) | 9.01%   |
| SHOULDER WIDTH         | 4ft.    |
| DESIGN 10 ton          |         |

FUNCTIONAL CLASSIFICATION: MAJOR COLLECTOR NO. OF TRAFFIC LANES 2. NO. OF PARKING LANES O. DESIGN SPEED 55 MPH BASED ON STOPPING SIGHT DISTANCE HEIGHT OF EYE 3.5': HEIGHT OF OBJECT 2.0' DESIGN SPEED NOT ACHIEVED AT:

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF

\_\_\_ TO STA\_

Dellner SIGNATURE:

ANTHONY J. SELLNER TYPED OR PRINTED NAME:

10/8/2024

LIC. NO. 54241

Inthopus APPROVED, REDWOOD COUNTY ENGINEER

APPROVED, YELLOW MEDICINE COUNTY ENGINEER

Todd Broadwell Digitally signed by Todd Broadwell Date: 2024.12.16 (08:29:48 -06'00'

DATE 10/8/2024

DISTRICT STATE AID ENGINEER: REVIEWED FOR COMPLIANCE WITH STATE—AID RULES/POLICY

Todd Broadwell Digitally signed by Todd Broadwell Date: 2024.12.16 08:32:00 -06'00'

APPROVED FOR STATE FUNDING: STATE AID ENGINEER

SHEET 1 OF 6 SHEETS

## ~ESTIMATED QUANTITIES~

|                  | ITEM NO. | ITEM                                  | UNIT     | 064-646-008 | 087-646-008 | TOTAL  |
|------------------|----------|---------------------------------------|----------|-------------|-------------|--------|
|                  | 2021.501 | MOBILIZATION                          | LUMP SUM | 0.54        | 0.46        | 1      |
| 1                | 2123.510 | MOTOR GRADER                          | HOUR     | 5           | 5           | 10     |
| 1                | 2123.510 | 12 CU YD TRUCK                        | HOUR     | 5           | 5           | 10     |
| 1                | 2123.510 | PNEUMATIC TIRED ROLLER                | HOUR     | 5           | 5           | 10     |
| 1                | 2123.610 | SKID LOADER                           | HOUR     | 5           | 5           | 10     |
| 1                | 2130.523 | WATER                                 | M GALLON | 5           | 5           | 10     |
| 2,8,9            | 2221.509 | SHOULDER BASE AGGREGATE CLASS 1       | TON      | 2566        | 2334        | 4900   |
| 5,18,            | 2232.504 | MILL BITUMINOUS SURFACE (2.0")        | SQ YD    | 66475       | 57702       | 124177 |
| 2,3,4,7,10,12,13 | 2360.509 | TYPE SP 12.5 WEARING COURSE MIX (2,B) | TON      | 11910       | 10335       | 22245  |
| 14,15,16,17      | 2563.601 | TRAFFIC CONTROL                       | LUMP SUM | 0.54        | 0.46        | 1      |
| 6,11             | 2582.503 | 4" SOLID LINE PAINT                   | LIN FOOT | 69600       | 46100       | 115700 |
| 6,11             | 2582.503 | 4" BROKEN LINE PAINT                  | LIN FOOT | 4200        | 4240        | 8440   |

## ~BASIS FOR PLANNED QUANTITIES~

- -- PLANT MIXED BITUMINOUS MIXTURES CALCULATED AT 110 POUNDS PER SQUARE YARD PER 1" COMPACTED THICKNESS.
- -- BITUMINOUS MATERIAL FOR MIX SHALL BE PERFORMANCE GRADED ASPHALT PG 58S-28.
- -- BITUMINOUS MATERIAL FOR TACK COAT SHALL BE PER MN/DOT SPEC 2357 & 3151 SEE 2357.3 FOR APPLICATION RATES.
- -- SHOULDER BASE AGGREGATE CLASS 1 CALCULATED AT 1.8 TONS PER CUBIC YARD. EXISTING SHOULDER SLOPES & EDGE DROP OFFS VARY, 1" TO 4" AND 2% TO 8%.
- -- ESTIMATED QUANTITIES FOR CROSS ROADS, ENTRANCES, SHLD PAVE, AND TURNLANES: AGGREGATE BASE CL 1 \_\_\_\_\_\_ 840 TON TYPE SP 12.5 WEARING COURSE MIX (2,B) \_\_\_\_\_ 1,125 TON
- -- ESTIMATED QUANTITIES FOR LEVELING:
  - TYPE SP 12.5 WEARING COURSE MIX (2,B) \_\_\_\_\_\_ 1,000 TON

## ~STANDARD PLATES~

THE FOLLOWING STANDARD PLATES, APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION, APPLY ON THIS PROJECT.

| PLATE NO. | DESCRIPTION              |  |
|-----------|--------------------------|--|
| 8000 K    | TEMPORARY CHANNELIZERS   |  |
| 9000 E    | APPROACHES AND ENTRANCES |  |

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS QUALITY LEVEL D. THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-22, ENTITLED "STANDARD GUIDE LINES FOR INVESTIGATING AND DOCUMENTING EXISTING UTILITIES.

> ESTIMATED QUANTITIES GENERAL NOTES

CERTIFIED BY: Unthown . Sellner DATE: 10/8/2024 LIC. NO. 54241 PROJECT NO. SAP 087-646-008

PROJECT NO. SAP 064-646-008

SHEET NO. 2 OF 6

## ~GENERAL NOTES~

- 1. EQUIPMENT HOURS HAVE BEEN PROVIDED FOR ADDITIONAL APPROACH SHAPING AS DIRECTED BY PROJECT ENGINEER.
- 2. MATERIAL HAS BEEN PROVIDED FOR ALL APPROACHES, ENTRANCES, CROSS ROADS, AND LEVELING.
- 3. BITUMINOUS MATERIAL FOR TACK COAT SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 2360.509 SP 12.5 TYPE WEARING COURSE MIX (2,B).
- 4. COMPACTION OF ALL BITUMINOUS COURSES SHALL BE BY THE MAXIMUM DENSITY METHOD AS PER MN/DOT SPEC. 2360.3D1.
- 5. BITUMINOUS PAVEMENT MILLINGS MAY BE INCORPORATED INTO THE NEW BITUMINOUS MIXTURE OR IN THE AGGREGATE SHOULDERS AS PER MN/DOT SPECIFICATION. ANY MATERIAL NOT RECYCLED SHALL BE HAULED OFF THE SITE AND DISPOSED OF BY THE CONTRACTOR AT A SITE APPROVED BY THE ENGINEER.
- 6. ALL PAVEMENT MARKING LOCATIONS TO BE MARKED BY PROJECT ENGINEER.
- 7. TYPE SP 12.5 WEARING COURSE (2,B) SHALL BE PLACED IN (2) 1.5" COMPACTED LIFTS.
- 8. ALL MATERIAL PLACED IN APPROACHES SHALL BE COMPACTED USING A SELF-PROPELLED RUBBER TIRE ROLLER.
- 9. SHOULDER BASE AGGREGATE CLASS 1 SHALL BE PLACED IN LIFTS AFTER EACH TYPE 12.5 WEARING COARSE MIX (2,B) LIFT, UNLESS, OTHERWISE DIRECTED BY PROJECT ENGINEER.
- 10. INTERM PAVEMENT MARKING SHALL BE INCLUDED IN BID PRICE FOR TYPE SP 12.5 WEARING COARSE MIX (2,B) AFTER EACH PAVEMENT LIFT.
- 11. INCLUDES 92,300' OF WHITE, 23,400' OF SOLID YELLOW, AND 8,440 OF BROKEN YELLOW.
- 12. ON THE FINAL LIFT THE CONTRACTOR WILL PAVE LONGITUDINAL JOINTS FOR TURN LANES, SHOULDERS, AND CROSS ROADS IN TANDEM WITH MAINLINE PAVING.
- 13. THE OUTSIDE EDGE OF ALL BITUMINOUS LIFTS TO BE STACKED WITHIN 1" HORIZONTALLY FROM THE PREVIOUS LIFT.
- 14. THE CONTRACTOR TO PROVIDE 10 ADDITIONAL BARRICADES AND 40 ADDITIONAL BARRELS TO BE STOCKPILED ON SITE FOR USE AT THE DISCRETION OF THE ENGINEER FOR THE DURATION OF THE PROJECT.
- 15. SEE TRAFFIC CONTROL FOR ADVANCED SIGNING. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION SIGNING AND TRAFFIC CONTROL (SHOWN AND NOT SHOWN), ALSO SEE SHEET 6 TRAFFIC CONTROL.
- 16. THE CONTRACTOR WILL MAINTAIN ACCESS FOR ALL PROPERTY OWNERS ON THE PROJECT AT ALL TIMES.
- 17. THE CONTRACTOR SHALL PROVIDE FLAGMAN AT EACH END OF OPERATION AND A PILOT CAR WILL BE USED FOR THE DURATION OF THE PROJECT. FLAGMAN AND PILOT CAR SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 2563.601 TRAFFIC CONTROL.
- 18. B.O.P. AND E.O.P. 3" FULL DEPTH MILL AND CROSS ROAD MILLING TO BE INCIDENTAL TO MILL BITUMINOUS SURFACE 2".

ESTIMATED QUANTITIES GENERAL NOTES

<u>Sellner</u> DATE: 10/8/2024 LIC. NO. 54241 PROJECT NO. SAP 087-646-008

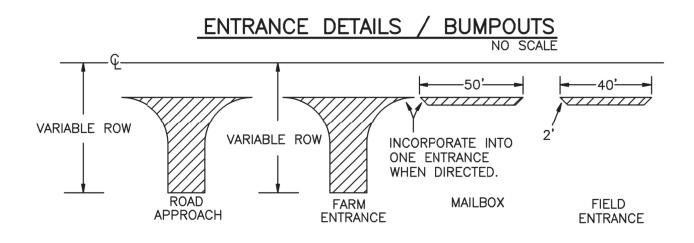
PROJECT NO. SAP 064-646-008

SHEET NO. 3 OF 6

## TYPICAL PAVING SECTION-064-646-008

STA. 0+00.00 TO STA. 242+50.00 (24,250.00') SLOPES VARY. SEE NOTES 1-3.

NOT TO SCALE **INPLACE** CONSTRUCT CSAH 46 4.0' SHLD 4.0' SHLD \_\_ 12.0' \_\_ DRIVE LANE \_\_ 12.0' \_\_ DRIVE LANE ✓VAR. 1.0" CL-1 AGGREGATE SHOULDERING 5.5" BIT. WEAR COARSE INPLACE -└ 1.5" TYPE SPWEB240B 1.0" ROAD MIX BIT. 13.0" AGG. BASE CL-5 1.5" TYPE SPWEB240B



\*\* MILL BIT. SURFACE 2.0" -

## B.O.P & E.O.P TRANSITION DETAIL

NO SCALE EXISTING PAVEMENT TOP 2" MILL 50' REMOVE @ 3" DEPTH 50' TAPER TO 2" DEPTH

## CROSS ROAD MILLING DETAIL NO SCALE

EXISTING PAVEMENT EXISTING PAVEMENT MILL 1.5" HEADER 2' MILL FULL 1.5" DEPTH TAPER TO 0" DEPTH

## NOTES:

- TYPICAL BITUMINOUS ROADWAY SLOPE IS 2.0%
- TYPICAL AGGREGATE SHOULDER SLOPE IS 4.0%
- SLOPES VARY IN SUPERELEVATED SECTIONS. NEW SLOPES TO FOLLOW INPLACE CONDITIONS.
- THE CONTRACTOR SHALL PROTECT THE EXISTING INSLOPE AND PREVENT AGGREGATE SPILLAGE. ANY SHOULDERING MATERIAL LEFT ON THE INSLOPE SHALL BE SALVAGED BY THE CONTRACTOR AT NO EXPENSE TO THE DEPARTMENT.

TYPICAL SECTIONS MISC. DETAILS

Sellner DATE: 10/8/2024 LIC. NO. 54241 PROJECT NO. SAP 087-646-008 CERTIFIED BY:

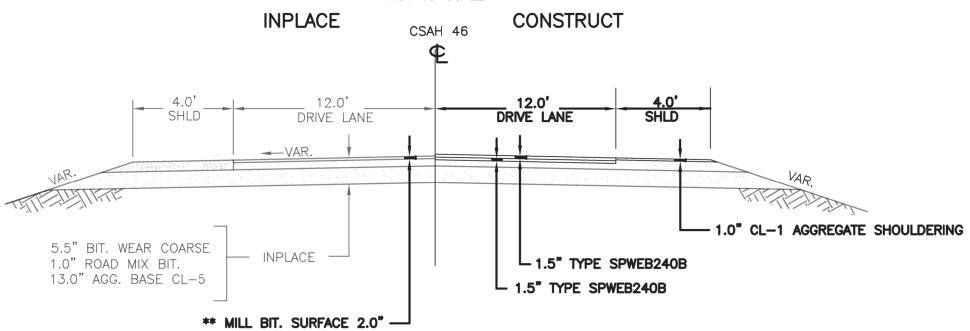
PROJECT NO. SAP 064-646-008

SHEET NO. 4 OF 6

## TYPICAL PAVING SECTION-087-646-008

STA. 242+50.00 TO STA. 456+52.00 (21,412.00') SLOPES VARY. SEE NOTES 1-3.

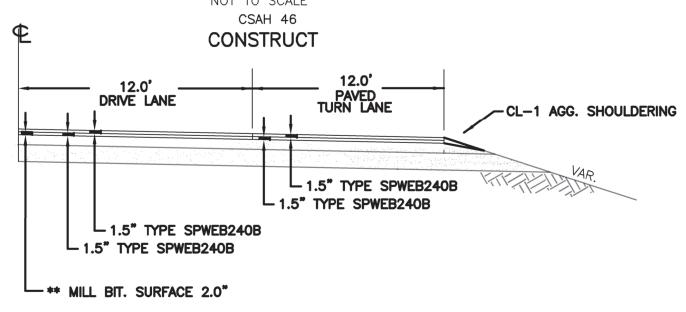
NOT TO SCALE



## TYPICAL PAVING SECTION (TURN LANE)

STA. 134+45.00 TO STA. 139+20.00 (475.00') LT STA. 157+20.00 TO STA. 161+70.00 (450.00') RT SLOPES VARY. SEE NOTES 1-3.

NOT TO SCALE

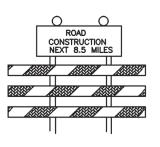


## **NOTES:**

- 1 TYPICAL BITUMINOUS ROADWAY SLOPE IS 2.0%
- 2 TYPICAL AGGREGATE SHOULDER SLOPE IS 4.0%
- $\begin{tabular}{ll} \hline egin{tabular} \hline egin{tabular} \hline egin{tabular} \hline egin{tabular} \hline egin{tabular} \hline egin{tabular} \hline \hline \end{tabular} \end{bmatrix}$  SLOPES VARY IN SUPERELEVATED SECTIONS. NEW SLOPES TO FOLLOW INPLACE CONDITIONS.
- (4) THE CONTRACTOR SHALL PROTECT THE EXISTING INSLOPE AND PREVENT AGGREGATE SPILLAGE. ANY SHOULDERING MATERIAL LEFT ON THE INSLOPE SHALL BE SALVAGED BY THE CONTRACTOR AT NO EXPENSE TO THE DEPARTMENT.

TYPICAL SECTIONS MISC. DETAILS

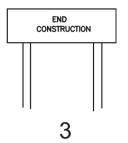
SHEET NO. 5 OF 6



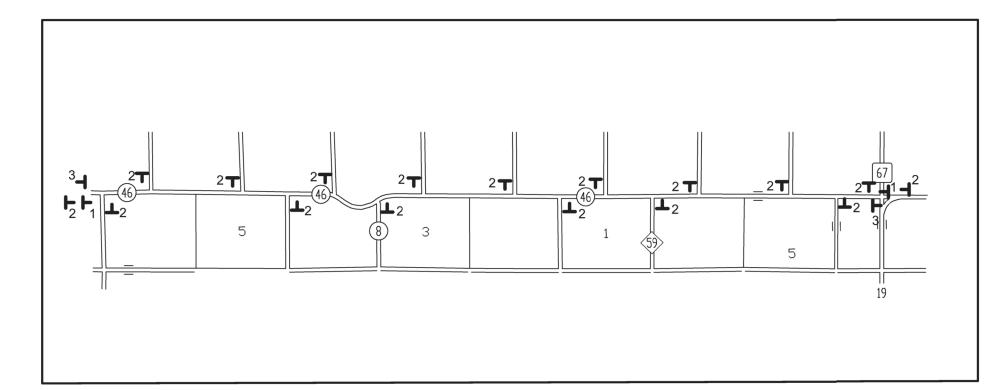
- 1- 60"X36" G20-1
- 1- TYPE III BARRICADE
- 2- TYPE A FLASHERS



1- 36"X36" W20-1



1- 60"X24" G20-2



= COUNTY STATE AID HIGHWAY

= COUNTY ROAD

= MN TRUNK HIGHWAY

= US TRUNK HIGHWAY

## ~ GENERAL NOTES ~

- 1. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION OF THE MINNESOTA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, INCLUDING THE LATEST FIELD MANUAL FOR TEMPORARY CONTROL ZONE LAYOUTS.
- 2. ALL TRAFFIC CONTROL DEVICES HEREIN WILL BE PLACED AND MAINTAINED BY THE CONTRACTOR. THROUGHOUT THE DURATION OF THE PROJECT, EXCEPT AS INDICATED IN GENERAL NOTE 3, BELOW.
- 3. SIGNING WITHIN THE CONSTRUCTION ZONE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND WILL INCLUDE BUT NOT LIMITED TO SIGNS AND FLASHERS FOR LANE CLOSURES, LOW SHOULDERS, FRESH OIL, FLAGMAN AHEAD, ETC. THE NUMBER AND LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S OPERATION.
- 4. ALL INPLACE REGULATORY AND WARNING SIGNS TO REMAIN INPLACE THROUGHOUT CONSTRUCTION, EXCEPTING THOSE SIGNS INDICATED IN GENERAL NOTE 3, ABOVE.
- 5. ALL TRAFFIC CONTROL WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 6. THE CONTRACTOR SHALL PROVIDE FLAGMAN AT EACH END OF OPERATION AND A PILOT CAR FOR THE DURATION OF THE PROJECT.

TRAFFIC CONTROL

Sellne DATE: 10/8/2024 LIC. NO. 54241 PROJECT NO. SAP 087-646-008 CERTIFIED BY: Inthopus

PROJECT NO. SAP 064-646-008

SHEET NO. 6 OF 6

NO SCALE