MINNESOTA DEPARTMENT OF TRANSPORTATION

BIG STONE COUNTY

			010 0	I ONE CO	UNIT			
CONSTRUCTIO	ON PLAN FOR _		BITUMINOUS	MILL, BITUMINOUS	OVERLAY, AND A	AGGREGATE SHO	OULDERING	
LOCATED ON		CSAH 10	BETW	EENTH 7	5AN	ND	CSAH 25	(0)
FROMA	POINT AT OR I	NEAR NW CORNE	R OF SECTION 22, T122N,	R46W TO	A POINT +- 153	33' N OF THE SE	CORNER OF SECTION	(Geographic Description)
BRIDGES-LENGTH 16	300.67 FEET 0.00 FEET 807.00 FEET 493.67 FEET	13.504 MILES 0.000 MILES 3.183 MILES 10.321 MILES	STATE AID PRO	. NO	006-610-026	6		(Legal Description)
DESIGN DESIGNATION O	SAH 10							N
STOPPING SIGHT DISTAN HEIGHT OF EYE: HEIGHT OF OBJECT: SOIL FACTOR: STA 0+50 TO 275+69 ADT (CURRENT YEAR): ADT (FUTURE YEAR): ESALS: LANE WIDTH: SHOULDER WIDTH ROAD CLASSIFICATION:	3.5' 2.0' 130% 40 (2025) 44 (2045) 13,000 12' 3' RURAL MINOF	BEGIN	S.A.P 006-610-026 CONSTRUCTION STA. 0+50	Γ	EXCEPTIO STA. 275+69 TO			O' 2 MILES
POSTED SPEED: STA 443+76 TO 713+50.67 ADT (CURRENT YEAR): ADT (FUTURE YEAR): ESALS: LANE WIDTH: SHOULDER WIDTH: ROAD CLASSIFICATION: POSTED SPEED: PROJECTION FACTOR: HCADT: R-VALUE: DESIGN TON: NO. OF TRAFFIC LANES: S.A.P 006-610-026 BIG STONE COUNTY	55 MPH 160 (2025) 190 (2045) 55,000 12' 4' RURAL MAJOR 55 MPH 1.2 <150 12 10 2	R COLLECTOR 100 MILES SCALE	9 75 THELKE 360th St 62 T O N 65 E T O N 65	31 + 67 400th St 5 67 1 7 500 PETERSON LAKE FA.P.	21 15 T R21 15 Y FA.S. F	380th St 25	19 21 75 380th St 390th St 33 400th St 23 410th St 5 7 A.P. 17	25 ST N N N N N N N N N N N N N N N N N N
R49W R48W R47W BEARDSLEY BARRY	R46W R45W	28 % ₹ n	TO H	4 (717 15	<u> </u>	1 " A K B NO	VI T.
PROJECT LOCATIONS PROJECT LOCATIONS ORTO VILLE	DESSA	VENS COUNTY R44W SCALE HOKE KRON NOZIL KRON NOZIL	1929 1930 1931 1932 1950 1953 1955 1969 1966 1986 1986 1990 1990	D HISTORY AGG BASE (2903) GRADING (3003) AGG BASE (3101) GRADING (3202) ENGINEERING (4904) GRADE AND AGG BASE (511 AGG BASE AND BIT (5503) BIT SURFACING (06-610-003) BIT SURFACING (06-610-011) SEAL COAT (06-610-012) SEAL COAT (06-610-014) SEAL COAT (06-610-014) SEAL COAT (06-610-015) BIT OVERLAY, AGG. SHOUL GRADE, AGG BASE, CUL., BI	DER (006-610-023)	-610-022)	COUNTY SYSTEM:	BIG STONE COUNTY NAD-83-96 ADJUSTMENT ATUM: NAVD-88

MINN. PROJ. NO.

GOVERNING SPECIFICATIONS

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

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	ESTIMATED QUANTITIES STANDARD PLATES, DETAILS AND TYPICAL SECTIONS
3	TRAFFIC CONTROL

UTILITY NOTICE

THIS PLAN CONTAINS 3 SHEETS

The subsurface utility information in this plan is utility level D. This quality level was determined according to the guidelines of Cl/ASCE 38-22, entitled "Standard Guidelines for Investigating and Documenting Existing Utilities".

LOCAL AGENCY SIGNATURES:

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 Minnesota. License number: 60399

Approved: County Engineer Jorden Roggenbuck, P.E.

STATE AID APPROVALS:

Malth M.R. Samue Date: 5/7/25

District State Aid Engineer: Reviewed for Compliance with State-Aid and/or Federal Aid Rules/Policy

Matthe M.R. Samm Date: 5/7/25
State Aid Engineer: Approved for State-Aid and/or Federal Aid Funding.

STATE AID PROJ. NO. S.A.P. 006-610-026

SHEET 1 OF 3

BASIS OF ESTIMATED QUANTITIES

		ESTIMATED QUANTITIES SAP 006-610-026		
ITEM NO.	MNDOT NO.	ITEM DESCRIPTION	UNIT	TOTAL ESTIMATED QUANTITY
1	2021.501	MOBILIZATION	LS	1 1
2	2051.501	MAINT. & RESTORATION OF HAUL ROADS	LS	1
3	2106.619	SHOULDER TRENCHING	RDST	275
4	2118.509	AGGREGATE SURFACING CLASS 1	TON	8,774
5	2232.504	MILL BITUMINOUS SURFACE (1/2")	SY	141,467
6	2360.509	TYPE SP 9.5 WEAR COURSE MIX (2,B)	TON	13,538
7	2563.601	TRAFFIC CONTROL	LS	1
8	2580.501	INTERIM PAVEMENT MARKING	LS	1
91	2582.503	4" SOLID LINE PAINT	LF	14,910
10	2582.503	6" SOLID LINE PAINT	LF	107,863
11	2582.503	4" BROKEN LINE PAINT	LF	10,899

TEMPORARY CHANNELIZERS

8000K

9000E

- SHOULDER TRENCHING STA 0+50 TO 275+69, SHALL INCLUDE BOTH LANES 3" DEPTH 1.5' WIDTH WIDE TRENCH EDGE OF EXISTING BITUMINOUS. MATERIAL REMOVED FROM TRENCH MAY BE USED FOR SHOULDERING MATERIAL.
- AGGREGATE SURFACING CLASS 1 (135 LBS CU FT). AGGREGATE SHALL BE PLACED WITH A SHOULDERING MACHINE APPROVED BY THE ENGINEER. INCLUDES QUANTITIES FOR 56 FIELD ENTRANCES, 10 DRIVEWAYS, AND 15 INTERSECTING ROADS.
- MILL BITUMINOUS SURFACE FULL WIDTH AT ½" DEPTH. INCLUDES QUANTITIES FOR 3' BUMP OUTS AT 56 FIELD ENTRANCES, 10 DRIVEWAY, AND 15 INTERSECTING ROADS. MILLINGS BECOME PROPERTY OF CONTRACTOR AND MAY BE USED IN BITUMINOUS MIXTURE. MILL BITUMINOUS SURFACE JOINT AT BEGINING AND END OF PROJECT 1.5" AND TAPER TO 0.5" AS DIRECTED BY THE ENGINEER.
- TYPE SP 9.5 WEARING COURSE MIXTURE (2)(B) (110 LBS/IN/SQ.YD.) CSS-1H OR CQS-1H FOR TACK COAT SHALL BE INCLUDED IN BID PRICE FOR 2360.509 AND APPLIED IN ACCORDANCE WITH SPEC. 2357.
- SIGNING SHALL BE INSTALLED AND APPROVED BY THE ENGINEER AT LEAST 24 HOURS BEFORE ANY WORK IS STARTED.
- INTERIM PAVEMENT MARKING (4' LONG WITH 50' INTERVALS). PLACE AFTER BITUMINOUS MILLING AND EACH LIFT OF BITUMINOUS. FINAL LIFT SHALL BE TEMPORARY RAISED PAVEMENT MARKERS. SHALL BE INCLUDED IN BID PRICE FOR 2580.501. REMOVAL OF TEMPORARY RAISED PAVEMENT MARKERS SHALL BE INCLUDED IN THE BID PRICE FOR 2580.501.

LIC. NO. 60399

SHEET 2 OF 3

S.A.P. 006-610-026

- 9. YELLOW LATEX
- 10. WHITE LATEX
- 11. YELLOW- LATEX (10' STRIPE WITH 40' SKIP)

TYPICAL SECTION





