MINNESOTA DEPARTMENT OF TRANSPORTATION
THE COUNTY OF OLMSTED
CONSTRUCTION PLAN FOR CONCRETE REHABILITATION

LOCATED ON C.S.A.H. 22 EAST BETWEEN T.H. 63 AND C.S.A.H. 9 (GEOGRAPHIC DESCRIPTION)

FROM A POINT 273 FT. WEST AND 37 FT. NORTH OF THE SE CORN. OF THE NW 1/4 SECTION OF SECTION 24 OF T 107 R 14W TO 87 FT. W. OF THE SE CORN. OF SEC. 31 OF T107 R13W (LEGAL DESCRIPTION)

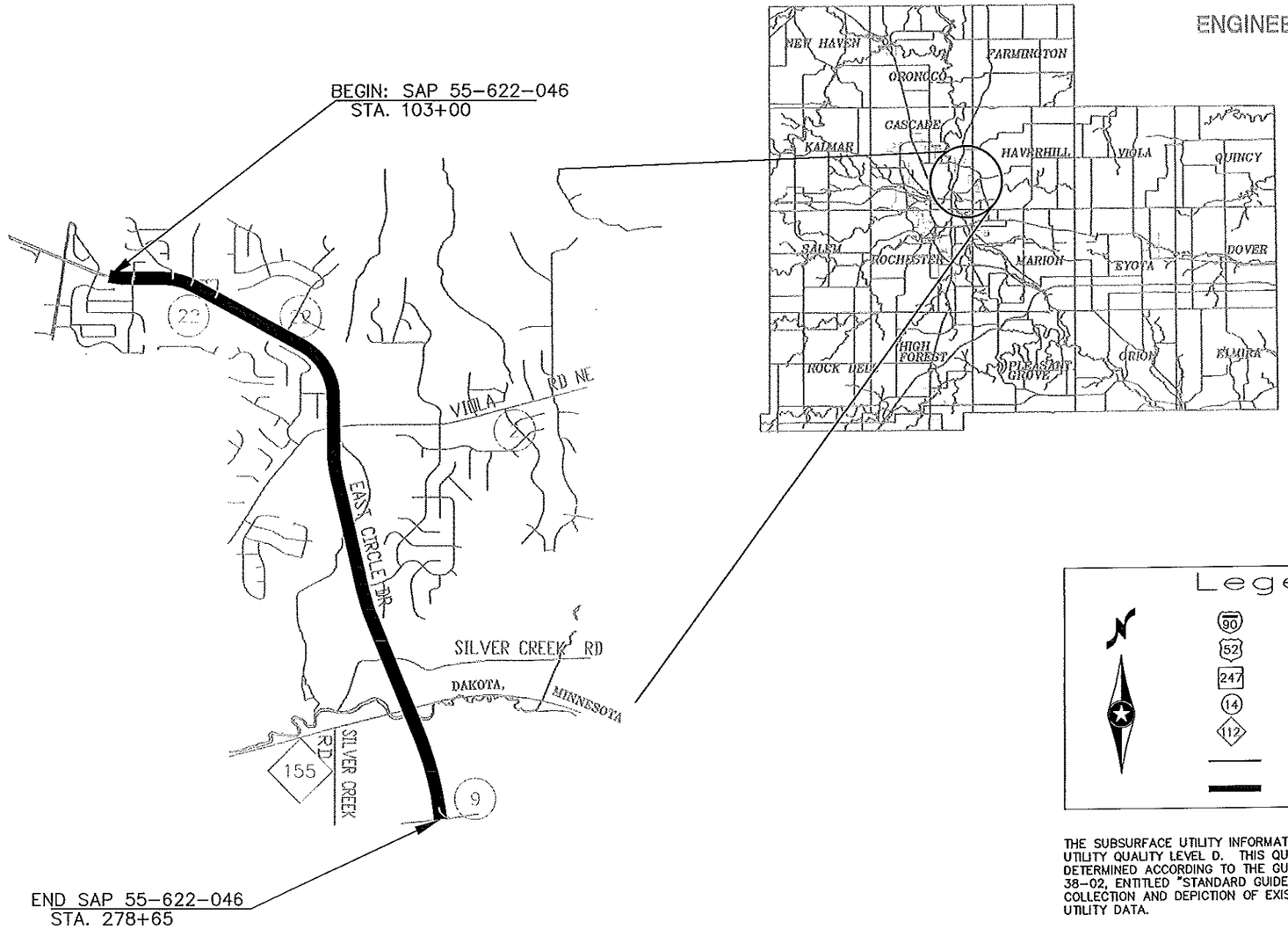
S.A.P. NO. 55-622-046 (C.S.A.H. 22)

GROSS LENGTH	17,565	FEET	3.33	MILES
BRIDGES LENGTH	84.5	FEET	0.02	MILES
EXCEPTIONS LENGTH	0.00	FEET	0.00	MILES
NET LENGTH	17,565	FEET	3.33	MILES

AS-BUILT

MAR 03 2011

ENGINEERING



Legend

- Interstate Highway (90)
- U.S. Highway (52)
- Minnesota State Highway (247)
- County State Aid Highway (14)
- County Road (112)
- City Limits
- Project

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS 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.

GOVERNING SPECIFICATIONS
THE 2005 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION"
AND
STATE AID CONCRETE PAVEMENT REHABILITATION BEST PRACTICES MANUAL 2006

INDEX

SHEET NO. 1	TITLE SHEET
SHEET NO. 2	ESTIMATED QUANTITIES & TYPICAL SECTION
SHEET NO. 3	TRAFFIC CONTROL

THIS PLAN CONTAINS 3 SHEETS

GRADING & AGGREGATE BASE UNDER:

S.A.P. 55-622-04 1987
S.A.P. 55-622-07 1986

CONCRETE SURFACING UNDER:

S.A.P. 55-622-10 1988

DESIGN DESIGNATION: S.A.P. 55-622-046

R_____ ΣN18 (20) _____
ADT (Current Year)= 18,450 (2007) Posted Speed 55 mph
ADT (Future Year) = 29,520 (2027) Based on STOPPING Sight Distance
Height of eye 3.5' Height of object 2.0'
DHV (Design Hr. Vol.)= _____ Design Speed not achieved at:_____
D (Directional Distr.) = _____ STA._____TO STA._____mph ____
T (Heavy Commercial) EST. % STA._____TO STA._____mph ____
SUBGRADE = K=
SHOULDER WIDTH 6 ft.
FUNCTIONAL CLASSIFICATION: PRINCIPLE ARTERIAL
SOIL FACTOR = 130

DESIGN ENGINEER: 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.

DATE 7/30/07 REG. NUMBER 19917
PRINTED NAME: KAYE M BIENIEK
SIGNED NAME: Kaye M Bieniek
COUNTY DESIGN ENGINEER

DATE 7/30/07 REG. NUMBER 10397
Michael Sheehan
APPROVED: OLMSTED COUNTY ENGINEER

STATE AID APPROVALS:
Judy Schmidt DATE 8-1-07
DISTRICT STATE AID ENGINEER: REVIEWED FOR COMPLIANCE WITH MN STATE- AID RULES/POLICY
Judy Schmidt DATE 8-1-07
APPROVED FOR STATE AID FUNDING:
MN STATE AID ENGINEER

STATEMENT OF ESTIMATED QUANTITIES

	ITEM NO.	ITEM	UNIT	TOTAL ESTIMATED QUANTITIES
	2301.529	REINFORCEMENT BARS (EPOXY COATED)	POUND	500
①	2301.538	DOWEL BAR	EACH	96
	2301.602	DRILL & GROUT REINF. BARS (EPOXY COATED)	EACH	125
②	2301.603	CRACK REPAIR (TYPE SA – A3)	LIN FT	200
② ③	2301.603	LONGITUDINAL JOINT REPAIR (TYPE SA – A2)	LIN FT	18246
② ④	2301.603	TRANSVERSE JOINT REPAIR (TYPE SA – A1)	LIN FT	31,795
②	2301.618	PARTIAL DEPTH REPAIR (TYPE SA – BA)	SQ. FT.	5818
②	2301.618	PARTIAL DEPTH REPAIR (TYPE SA – BE)	SQ. FT.	582
②	2301.618	FULL DEPTH REPAIR (TYPE SA – CD)	SQ. FT.	56
②	2301.618	FULL DEPTH REPAIR (TYPE SA – CX)	SQ. FT.	500
②	2301.618	SPOT FULL DEPTH REPAIR (TYPE SA – C1)	SQ. FT.	40
⑤	2563.601	TRAFFIC CONTROL	LUMP SUM	1

STANDARD PLATES

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

PLATE NO.	DESCRIPTION
	NUMERICAL INDEX OF STANDARD PLATES
8000 1	STANDARD BARRICADES

CONSTRUCTION NOTES:

① DOWEL BARS TO BE 1–1/4" DIA.

② DETAILED CONSTRUCTION PLANS AND SPECIFICATIONS ARE IN THE "STATE AID CONCRETE PAVEMENT REHABILITATION BEST PRACTICES MANUAL 2006"

③ APPROXIMATE JOINT WIDTH IS 1/2 INCH.

④ APPROXIMATE JOINT WIDTH IS 5/8 INCH.

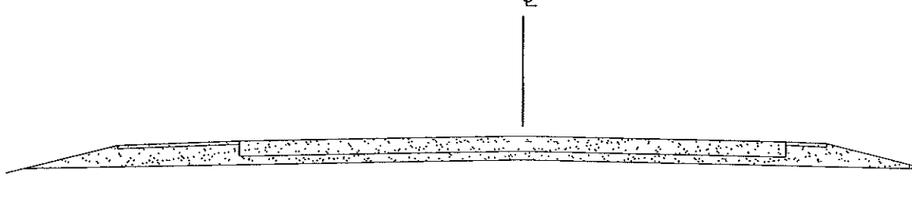
⑤ THIS ITEM INCLUDES ALL TRAFFIC CONTROL ITEMS NECESSARY FOR CONTROL OF TRAFFIC DURING CONTRACTORS OPERATIONS, INCLUDING ASSOCIATED SIGNS AND TRAFFIC CONTROL DEVICES FOR LANE CLOSURES AND FLAGGING OPERATIONS AS NECESSARY. ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE "TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS FIELD MANUAL", AND THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

AS-BUILT

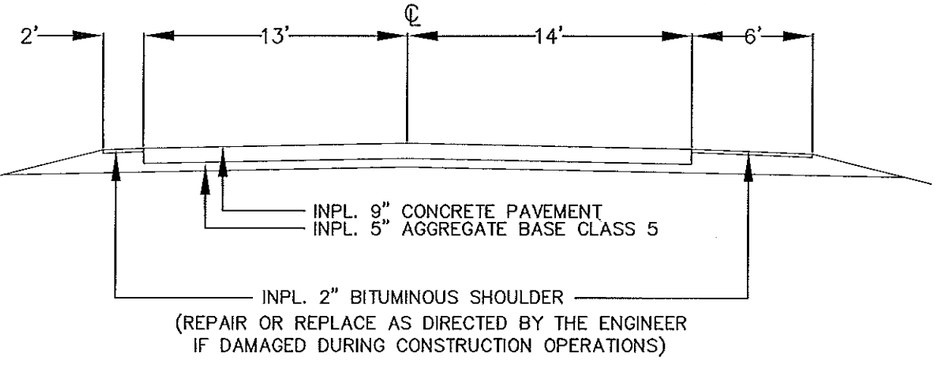
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ENGINEERING

C.S.A.H. 22 WEST BOUND



C.S.A.H. 22 EAST BOUND
STA. 103+00 TO 278+65
(CONCRETE REPAIR WORK EAST BOUND ONLY)



ESTIMATED QUANTITIES AND TYPICAL SECTION

CERTIFIED BY Kaye M Briesnick LICENSED PROFESSIONAL ENGINEER REG. NO. 19917 7/30 2007