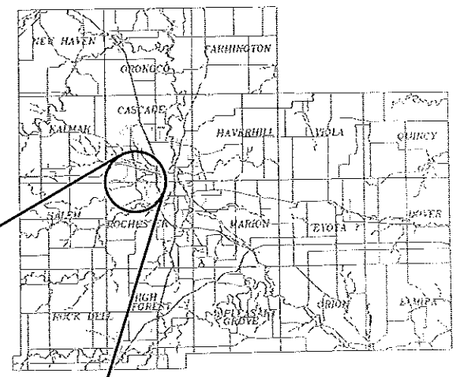
MINNESOTA DEPARTMENT OF TRANSPORTATION
THE COUNTY OF OLMSTED
CONSTRUCTION PLAN FOR CONCRETE REHABILITATION

LOCATED ON C.S.A.H. 22 WEST BETWEEN C.S.A.H. 34 AND 9TH ST. (GEOGRAPHIC DESCRIPTION)

FROM 655 FEET EAST OF THE S.W. CORNER OF SEC. 33, T 107 N, R 14 W TO 416 FEET EAST AND 943 FEET SOUTH OF THE N.W. COR. OF SEC. 33, T 107 N, R 14 W (LEGAL DESCRIPTION)

S.A.P. NO. 55-622-045 (C.S.A.H. 22)

GROSS LENGTH	4630.00	FEET	0.88	MILES
BRIDGES LENGTH	0.00	FEET	0.00	MILES
EXCEPTIONS LENGTH	0.00	FEET	0.00	MILES
NET LENGTH	4630.00	FEET	0.88	MILES



AS-BUILT

MAR 03 2011

ENGINEERING

Legend

- Interstate Highway
- U.S. Highway
- Minnesota State Highway
- County State Aid Highway
- County Road
- City Limits
- Project

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 SHALL GOVERN

INDEX

SHEET NO. 1	TITLE SHEET
SHEET NO. 2	ESTIMATED QUANTITIES & TYPICAL SECTION
SHEET NO. 3 - 7	TRAFFIC CONTROL

THIS PLAN CONTAINS 7 SHEETS

C.S.A.H. 22

GRADING & AGGREGATE BASE UNDER:

S.A.P. 55-622-13 1990

CONCRETE SURFACING UNDER:

S.A.P. 55-622-13 1990

DESIGN DESIGNATION: S.A.P. 55-622-045

R ΣN18 (20)

ADT (Current Year)= 24,088 (2007) Design Speed ___ mph

ADT (Future Year) = 38,541 (2027) Posted Speed 55 mph

Based on STOPPING Sight Distance

DHV (Design Hr. Vol.)= ___ Height of eye 3.5' Height of object 2.0'

D (Directional Distr.) = ___ Design Speed not achieved at:

T (Heavy Commercial) EST. % STA. ___ TO STA. ___ mph

SUBGRADE = K= STA. ___ TO STA. ___ mph

SHOULDER WIDTH 8 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 7/20/07 REG. NUMBER 19917

PRINTED NAME: KAYE M BIENIEK

SIGNED NAME: Kaye M Bieniek
COUNTY DESIGN ENGINEER

DATE 7/20/07 REG. NUMBER 10397

APPROVED: OLMSTED COUNTY ENGINEER

STATE AID APPROVALS

DISTRICT STATE AID ENGINEER: REVIEWED FOR COMPLIANCE WITH MN STATE- AID RULES/POLICY

Andy Schmidt DATE 8-1-07

for 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	1000
①	2301.538	DOWEL BAR	EACH	96
②	2301.541	INTEGRANT CURB DESIGN B6	LIN FT	100
	2301.602	DRILL & GROUT REINF. BARS (EPOXY COATED)	EACH	125
③	2301.603	CRACK REPAIR (TYPE SA – A3)	LIN FT	658
③ ④	2301.603	LONGITUDINAL JOINT REPAIR (TYPE SA – A2)	LIN FT	5966
③ ⑤	2301.603	TRANSVERSE JOINT REPAIR (TYPE SA – A1)	LIN FT	31,625
③	2301.618	PARTIAL DEPTH REPAIR (TYPE SA – BA)	SQ. FT.	517
③	2301.618	PARTIAL DEPTH REPAIR (TYPE SA – BE)	SQ. FT.	100
③	2301.618	FULL DEPTH REPAIR (TYPE SA – CD)	SQ. FT.	972
③	2301.618	FULL DEPTH REPAIR (TYPE SA – CX)	SQ. FT.	4477
③	2301.618	SPOT FULL DEPTH REPAIR (TYPE SA – C1)	SQ. FT.	157
	2506.522	ADJUST FRAME AND RING CASTING	EACH	5
⑥	2563.601	TRAFFIC CONTROL	LUMP SUM	1
	2582.501	PAVEMENT MESSAGE (LEFT ARROW) EPOXY	EACH	10
	2582.501	PAVEMENT MESSAGE (RIGHT ARROW) EPOXY	EACH	10
	2582.502	4" SOLID LINE WHITE–EPOXY	LIN FT	12,200
	2582.502	6" SOLID LINE WHITE–EPOXY	LIN FT	830
	2582.502	4" BROKEN LINE WHITE–EPOXY	LIN FT	1700
	2582.502	24" STOP LINE WHITE–EPOXY	LIN FT	207
	2582.502	4" SOLID LINE YELLOW–EPOXY	LIN FT	8900

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 I	STANDARD BARRICADES

CONSTRUCTION NOTES:

① DOWEL BARS TO BE 1–1/4" DIA.

② INTEGRANT CURB REPLACEMENT AS DIRECTED BY THE ENGINEER IN THE FIELD. REMOVAL AND SAWING OF EXISTING CURB TO BE INCIDENTIAL TO ITEM NO. 2301.541 INTEGRANT CURB. REFERENCE "THE STATE AID CONCRETE PAVEMENT REHABILITATION BEST PRACTICES MANUAL 2006".

③ DETAILED CONSTRUCTION PLANS AND SPECIFICATIONS ARE IN THE "STATE AID CONCRETE PAVEMENT REHABILITATION BEST PRACTICES MANUAL 2006"

④ APPROXIMATE JOINT WIDTH IS 1/2 INCH.

⑤ APPROXIMATE JOINT WIDTH IS 5/8 INCH.

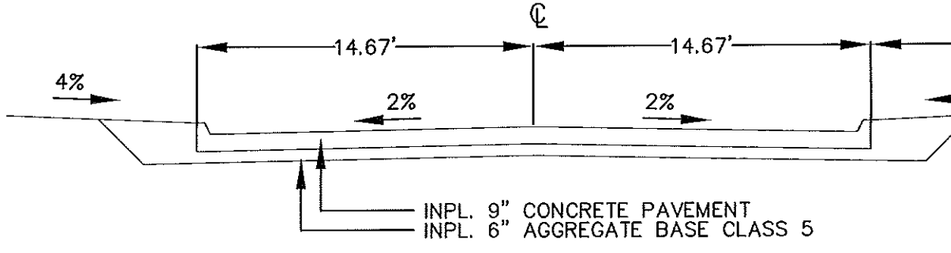
⑥ THIS ITEM INCLUDES ALL TRAFFIC CONTROL ITEMS NECESSARY FOR NORTH AND SOUTH BOUND CLOSURES AND DETOUR ROUTES. TEMPORARY TRAFFIC CONTROL NECESSARY FOR WORK BETWEEN 7 ST NW AND 9 ST NW. SHALL BE CONSIDERED INCIDENTAL.

AS-BUILT

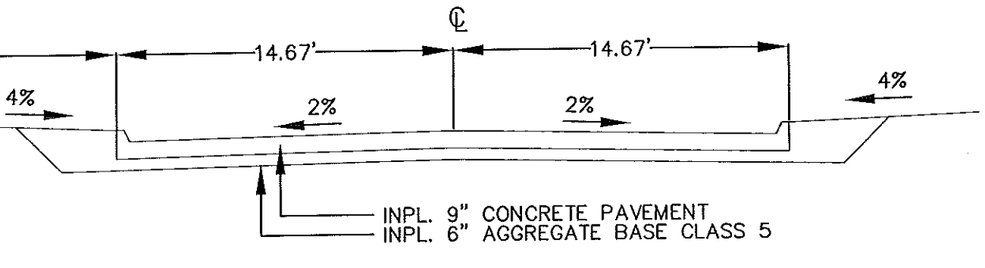
MAR 03 2011

ENGINEERING

C.S.A.H. 22 SOUTH BOUND
STA. 261+00 TO 307+30



C.S.A.H. 22 NORTH BOUND
STA. 261+00 TO 307+30



ESTIMATED QUANTITIES AND TYPICAL SECTION

CERTIFIED BY Kyle M Bienick LICENSED PROFESSIONAL ENGINEER REG. NO. 19917 7/20 2007