

MINNESOTA DEPARTMENT OF TRANSPORTATION LYON COUNTY

CONSTRUCTION PLAN FOR: BITUMINOUS OVERLAY AND AGGREGATE SHOULDERS.

COUNTY STATE AID HIGHWAY NO. 7

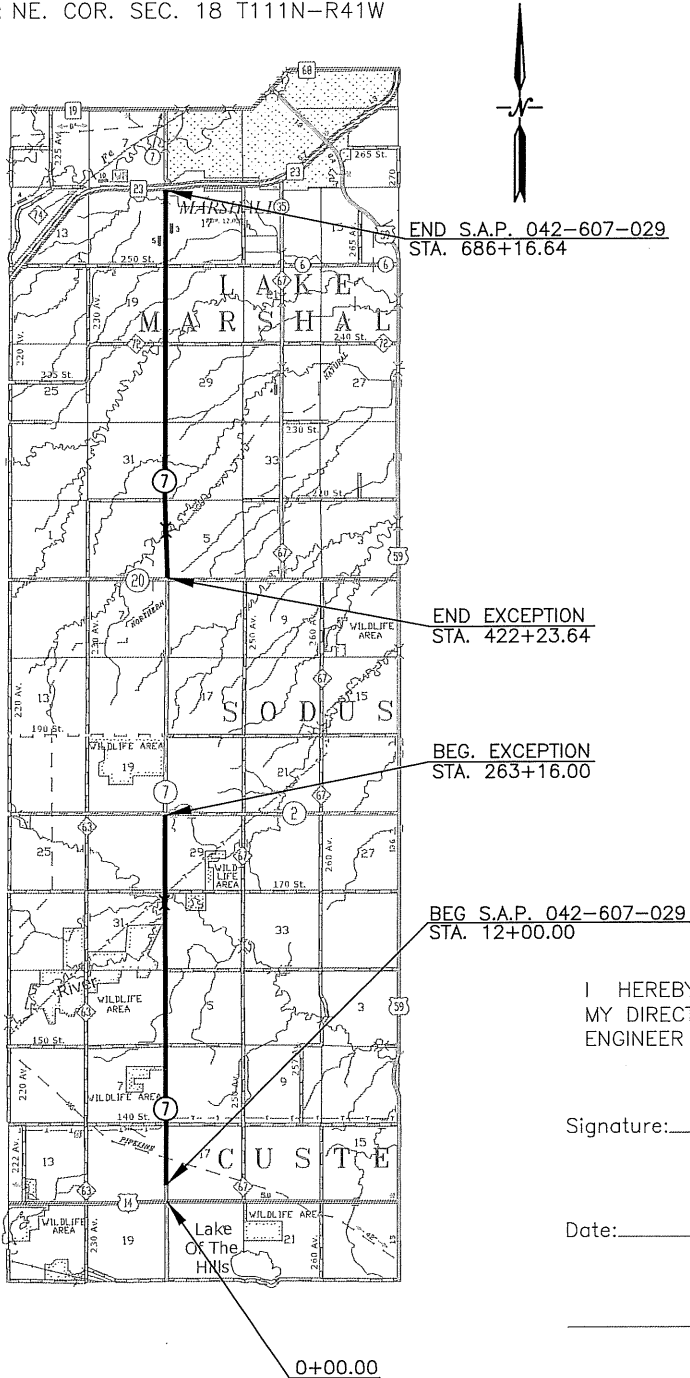
BETWEEN: U.S. 14 TO U.S. 23
FROM: 1200' NORTH OF SW. COR. SEC. 17 T109N-R41W
TO: NE. COR. SEC. 18 T111N-R41W

STATE AID PROJECT NO. 042-607-029

GROSS LENGTH 68616.64 FEET 12.996 MILES
BRIDGE LENGTH 161.00 FEET 0.030 MILES
EXCEPTIONS LENGTH 17107.64 FEET 3.240 MILES
NET LENGTH 51348.00 FEET 9.725 MILES

SHEET NO. 1 TITLE SHEET
SHEET NO. 2 ESTIMATED QUANTITY SHEET
SHEET NO. 3 TYPICAL SECTIONS SHEET
SHEET NO. 4 TRAFFIC CONTROL PLAN SHEET

THIS PLAN CONTAINS 4 SHEETS



SOUTH SEGMENT

FUNCTIONAL CLASSIFICATION:
RURAL MAJOR COLLECTOR
DESIGN SPEED 55 MPH
ADT 960 (2014)
PROJ ADT 1410 (2034)
NO. OF TRAFFIC LANES: 2
NO. OF PARKING LANES: 2
S.F. 100 %
TON DESIGN 9
SHOULDER WIDTH 6.00'

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

GRADED SAP 042-607-08 (1967)
SURFACED SAP 042-607-09 (1970)

NORTH SEGMENT

FUNCTIONAL CLASSIFICATION:
RURAL MAJOR COLLECTOR
DESIGN SPEED 55 MPH
ADT 960 (2014)
PROJ ADT 1410 (2034)
NO. OF TRAFFIC LANES: 2
NO. OF PARKING LANES: 2
S.F. 130 %
TON DESIGN 9
SHOULDER WIDTH 6.00'

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

GRADED SAP 042-607-10 (1978)
SURFACED SAP 042-607-10 (1979)

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Signature: *Aaron Van Moer* Typed Name: Aaron Van Moer
Design Engineer

Date: 3/18/15 License No.: 50428

Aaron Van Moer
Approved County Engineer

Date: 3/18/15

Tom A. Brumwell
District State Aid Engineer:
Reviewed for Compliance with State Aid Rules/Policy

Date: 3/19/15

Tom A. Brumwell
Approved for State Aid Funding - for State Aid Engineer

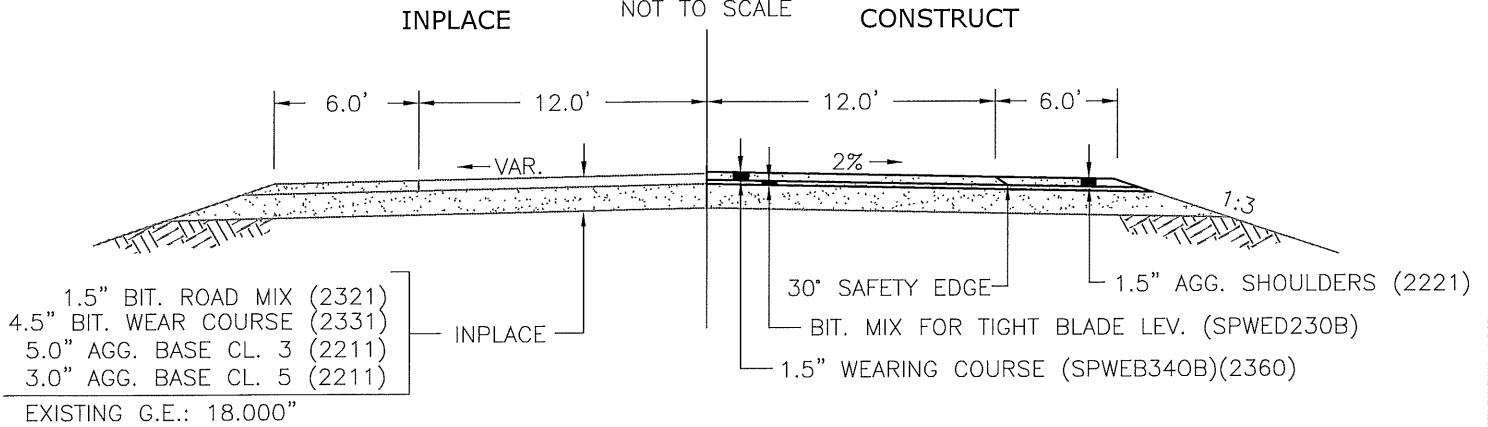
Date: 3/19/15

GOVERNING SPECIFICATIONS
THE 2014 EDITION OF THE MINNESOTA DEPARTMENT
OF TRANSPORTATION "STANDARD SPECIFICATIONS
FOR CONSTRUCTION".

TYPICAL SECTION

STA. 12+00.00 TO STA. 263+16

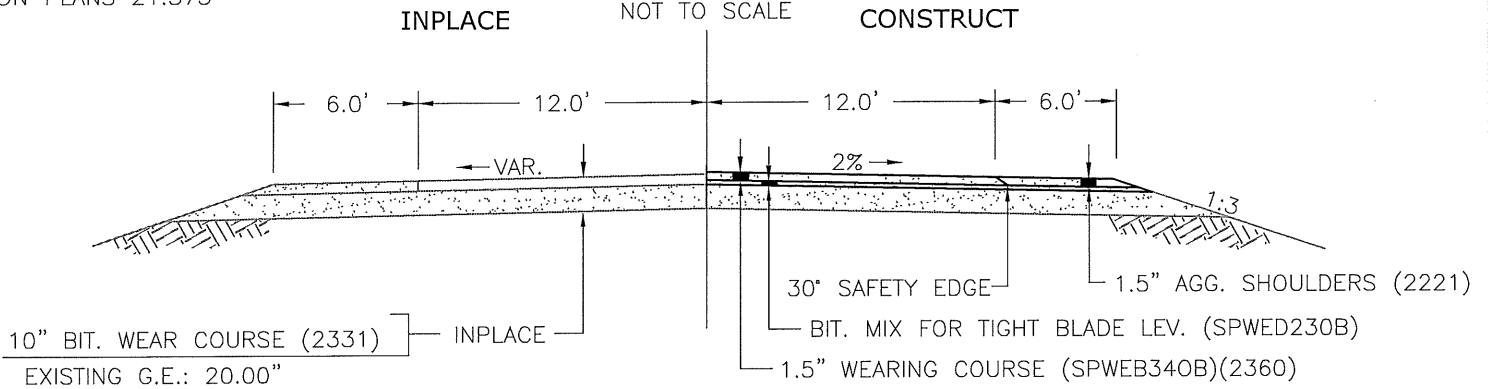
US 14 TO CSAH 2
SOUTH SEGMENT



GRANULAR EQUIVALENT
9 TON
REQUIRED 17.50"
ON PLANS 21.375"

STA. 422+23.64 TO STA. 686+16.64

CSAH 20 TO US 23
NORTH SEGMENT



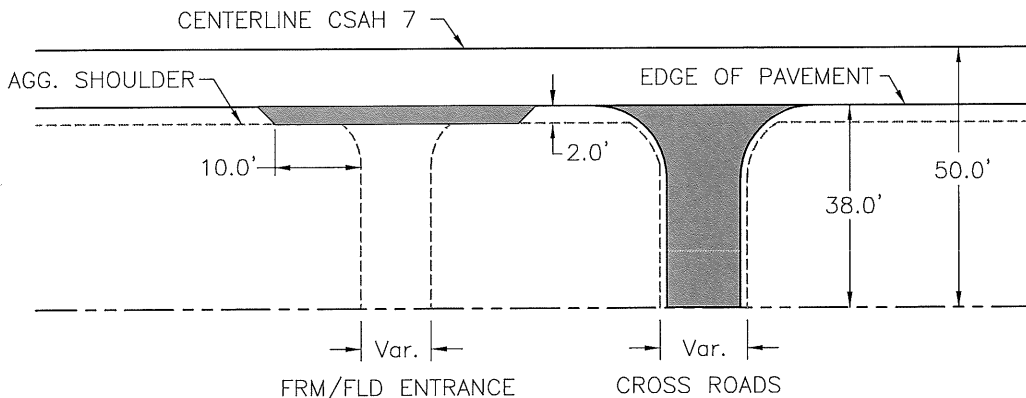
GRANULAR EQUIVALENT
9 TON
REQUIRED 22.00"
ON PLANS 25.063"

SECTION NOTES:

- 30° BITUMINOUS SAFETY EDGE SHALL BE INCLUDED WITH THE TOTAL BID PRICE FOR BITUMINOUS WEARING COURSE (2360).
- TACK OIL @ .05 GAL/SQ.YD. SHALL BE INCLUDED WITH THE TOTAL BID PRICE FOR BITUMINOUS WEARING COURSE (2360).

TYPICAL AUXILIARY APPROACH PAVING

STANDARD PLATE 9000E SHALL APPLY. FIELD ADJUST AS DIRECTED BY THE ENGINEER.



ENTRANCE TYPE	#	EST. TONS
FIELD ENTRANCE	54	270
RESIDENT ENTRANCE	41	205
CROSS ROADS	16	640
		1115

CERTIFIED BY:

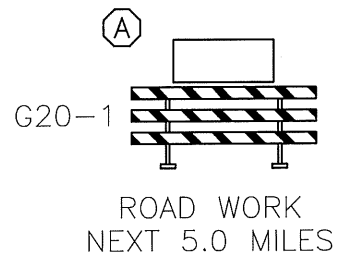
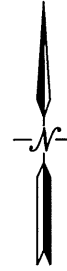
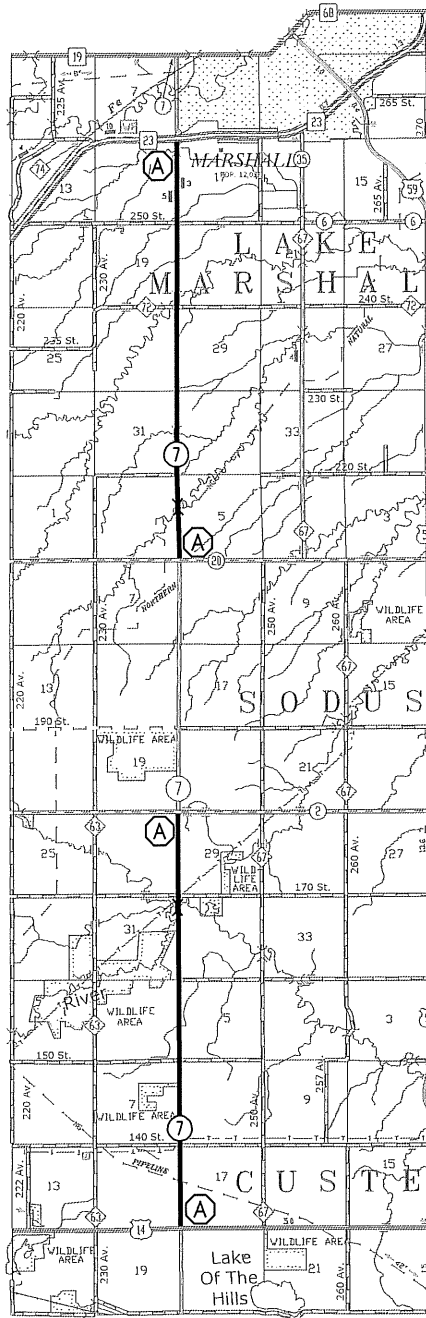
LIC. NO. 50428

LICENSED PROFESSIONAL ENGINEER

STATE AID PROJECT NO. 042-607-029

SHEET 3 OF 4 SHEETS

TRAFFIC CONTROL PLAN



NOTES:

1. TRAFFIC CONTROL SHALL MEET THE REQUIREMENTS OF THE CURRENT EDITION OF THE MnMUTCD, INCLUDING THE FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.
2. ALL NECESSARY TRAFFIC CONTROL DEVICES ON THIS PROJECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR THE IMMEDIATE REPAIR OR REPLACEMENT OF ALL TRAFFIC CONTROL DEVICES THAT BECOME DAMAGED, MOVED, OR DESTROYED.
3. ALL INPLACE REGULATORY AND WARNING SIGNS TO REMAIN INPLACE THROUGHOUT CONSTRUCTION.
4. THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN, AND REMOVE ALL TRAFFIC CONTROL DEVICES REQUIRED TO PROVIDE SAFE MOVEMENT OF LOCAL VEHICULAR TRAFFIC THROUGHOUT THE PROJECT. THE ENGINEER WILL HAVE THE RIGHT TO MODIFY THE REQUIREMENTS OF TRAFFIC CONTROL AS DEEMED NECESSARY DUE TO FIELD CONDITIONS. THE STREET SHALL REMAIN OPEN TO LOCAL TRAFFIC AT ALL TIMES.

CERTIFIED BY:  LIC. NO. 50428

LICENSED PROFESSIONAL ENGINEER

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SHEET 4 OF 4 SHEETS