

BASED ON STOPPING DISTANCE HEIGHT OF EYE: 3.50 FEET HEIGHT OF OBJECT: 2.00 FEET

ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND ORDINANCES WILL BE COMPLIED WITH IN THE

CONSTRUCTION OF THIS PROJECT.

RAMSEY COUNTY DEPARTMENT OF PUBLIC WORKS

PLAN FOR THE BITUMINOUS MILL & OVERLAY OF

BUFFALO STREET

BETWEEN: TH61 and PORTLAND AVENUE

COUNTY PROJECT P5001

INDEX SHEET NO. DESCRIPTION TITLE SHEET ESTIMATED QUANTITIES TYPICAL SECTIONS
ROADWAY PLAN SHEETS 4-5 6-7 STRIPING PLAN

THIS PLAN CONTAINS 7 SHEETS

BUFFALO STREET

COUNTY PROJECT P5001

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.

		 DAIL	
OMMENDED FOR A	RAMSEY COUNTY ENGINEER	DATE	
ROVED			

	PLAN REVISIONS	
DATE	SHEET NO. & DESCRIPTION	BY

MINNESOTA DEPARTMENT OF TRANSPORTATION

REVIEWED FOR COMPLIANCE WITH STATE-AID RULES/POLICY APPROVED FOR STATE AID FUNDING: STATE AID ENGINEER

COUNTY PROJECT P5001

Sheet No. 1 of 7 Sheets

Bituminous Mill and Overlay 2014 County Project P-5001

			Quanity
Item Number	Item Un		BUFFALO ST. P-5001
2021.501	Mobilization	LS	0.2
2104.501	Remove Curb & Gutter	LF	30
2104.511	Saw Concrete Curb & Walk Full Depth	LF	20
2104.513	Saw Bituminous Pavement Full Depth	LF	0
2104.603	Remove & Replace Bit Pavement (Fulldepth)ADA	LF	0
2105.503	Remove Concrete Walk	SF	0
2123.610	Street Sweeper	HOUR	20
2232.501	Mill Bituminous Surface (2")	SY	0
2232.501	Mill Bituminous Surface (4")	SY	0
2331.604	Bituminous Pavement Reclamation	SY	7,629
2357.502	Bituminous Material for Tack Coat	GAL.	381
2360.501	Type SPWEB340B Wearing Course Mixture	TON	0
2360.501	Type SPWEB340C Wearing Course Mixture	TON	1,755
2360,501	Type SPWEB340E Wearing Course Mixture	TON	0
2360.501	Type SPWEB340F Wearing Course Mixture	TON	0
2360.501	Type SPWEB440F Wearing Course Mixture	TON	0
2360,505	Bituminous Mixture for Patching	TON	100
2504,602	Adjust Valve Box	EACH	7
2506.522	Adjust Frame Ring & Casting	EACH	9
2506.602	Constuct Survey Control Structure	EACH	0
2521.501	6" Concrete Walk (ADA)	SF	0.00
2531.501	Concrete Curb & Gutter Design B612 (ADA)	LF	30
2531.501	Concrete Curb & Gutter Design B618 (ADA)	LF	0
2531.501	Concrete Curb & Gutter Design D424 (ADA)	LF	0
2531.501	Concrete Curb & Gutter Design B624 (ADA)	LF	0
2531.502	Concrete Curb & Gutter Design Special (ADA)	LF	0
2531.502	Concrete Curb Design V(ADA)	LF	0
2531.618	Truncated Domes	SF	0
2535.501	Bituminous Curb	LF	140
2563.601	Traffic Control	LS	0.2
2563.601	Temorary Pedestrian Access Control	LS	0
2565.602	NMCLoop Detector 6' x 6'	EACH	0.0
2565.602	NMC Loop Detector 6' x 6'	LF	448
2565.602	Pedestrian Indication - Countdown	EACH	0
2565.602	Pedestrian Push Botton Station	EACH	0
2565.602	APS System	EACH	0
2573.530	Storm Drain Inlet Protection	EACH	10
2575.602	Site Restoration (ADA)	EACH	0
2582.501	Pavement Message Lt Arrow - Epoxy	EACH	0
2582.501		EACH	1
2582.501	Pavement Message Rt Arrow - Epoxy Pavement Message Lt/Thru Arrow - Epoxy	EACH	0
			
2582.501	Pavement Message (RR Xing) - Epoxy	EACH	76
2582.502 2582.502	4" Solid Line White - Epoxy 4" Solid Line Yellow - Epoxy	LF LF	0
2582.502	4" Dashed Line White - Epoxy		0
	4" Dashed Line Yellow - Epoxy	LF	0
2582.502			
2582.502	4" Double Line Yellow - Epoxy	LF	2,522
2582.502	12" Solid Line White - Epoxy	LF	0
2582.502	24" Solid Line White - Epoxy Crosswalk Marking-Epoxy	LF SF	255

MN/DOT STANDARD PLATES						
7038A	DETECTABLE WARNING SURFACE					
	TRUNCATED DOMES					
80001	STANDARD BARRICADES					
8112F	PEDESTAL FOUNDATION					
8122E	PEDESTAL & PEDESTAL BASE					

- OUANTITY NOTES

 1. To be used for restoration of curb removal areas.
 2. Common excavation is measured 3 feet from the back of curb at a depth of 6 inches.
 3. Topsoil is measured 3 feet from back of curb at a depth of 6 inches.
 4. Tack coat is estimated at 0.05 gallons / square yard bituminous / lift
 5. Bituminous is estimated at 115 lbs / square yard / inch of bituminous

 6. Dituminate a stability are in SDWED 240C.

- 6. Bituminous patching mix is SPWEB340C
- 7. Rapid stabilization method 3 is estimated at 6,000 gallons / acre

3	NO.	REV-DATE	BY:	DESCRIPTION	I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER
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į					SIGNED:
<u>:</u>					REG NO: DATE:

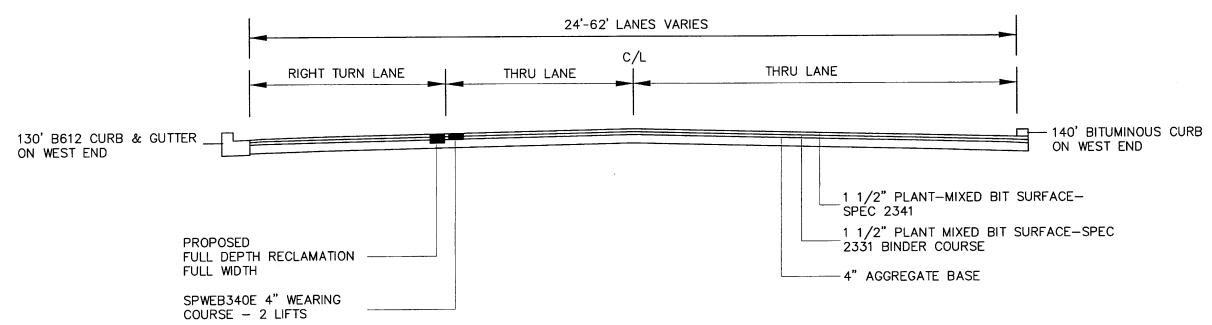
BUFFALO STREET TH61 to PORTLAND AVENUE

ESTIMATED QUANTITIES

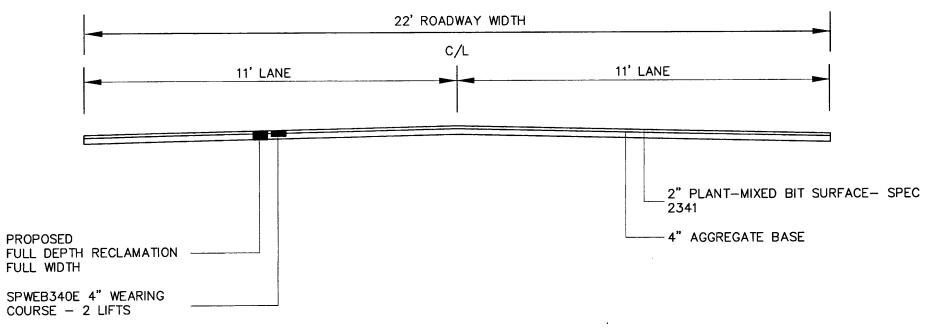
COUNTY PROJ. P-5001

SHEETS

TYPICAL SECTION - BUFFALO STREET STA. 00+84 TO STA. 07+00



TYPICAL SECTION - BUFFALO STREET STA. 07+00 TO STA. 26+72



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BUFFALO STREET
TH61 to PORTLAND AVENUE

COUNTY PROJ. P5001

TYPICAL SECTION

SHEET 3 OF 7 SHEETS

