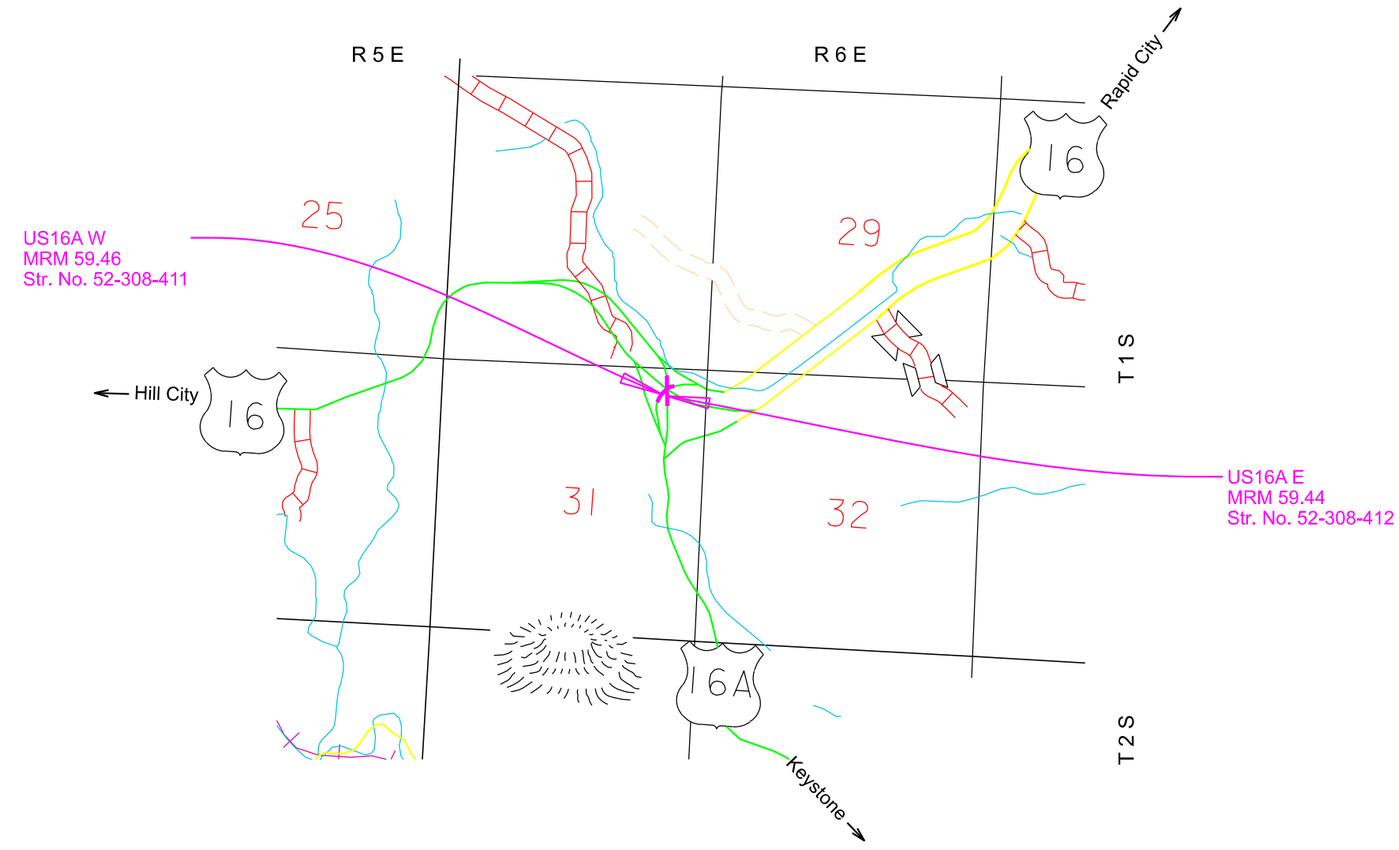
SECTION M: PAVEMENT MARKING PLANS

SD DOT	PROJECT	SECTION	SHEET
	P 0016(110)59 & 016AW-468	M	1/2

Plotting Date: 5/28/2025



SECTION M ESTIMATE OF QUANTITIES

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
633E1220	High Build Waterborne Pavement Marking Paint, 4" White	1,830	Ft
633E1222	High Build Waterborne Pavement Marking Paint, 4" Yellow	1,830	Ft

PERMANENT PAVEMENT MARKING – GENERAL NOTES

Paint edge lines to match existing pavement marking at the beginnings and ends of the newly paved sections of the bridge decks. Yellow edge line is approximately 2’ from edge of pavement; white edge line is approximately 10’ from edge of pavement; the single traffic lane across each bridge is 14’ wide.

HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT

All materials will be applied as per manufacturer’s recommendations. High build waterborne pavement marking paint will conform to the supplemental specifications for Section 980.1 B.

Reflective media will consist of glass beads. Reflective media will require a Certificate of Compliance for Certification for each source and lot. Acceptance sampling will not be required.

RATES OF MATERIALS FOR HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT

Solid 4” line = 22.5 Gals/Mile
Glass Beads = 8 Lbs/Gal.

All cost for materials, labor and equipment necessary to furnish and install the pavement markings will be incidental to the contract unit price for the respective High Build Waterborne Pavement Marking Paint items.

RETROREFLECTIVITY FOR PAVEMENT MARKING PAINT

The Department may take retroreflectivity readings on the pavement marking lines after 2 days and within 30 days of the line application using either a portable or mobile retroreflectometer that conforms to 30-meter geometry. If the Department chooses to take retroreflectivity readings, three retroreflectivity readings will be taken on each line at each test location. The three readings will be averaged and become the reading for that test location.

If the Department chooses to take retroreflectivity readings, three readings will be taken on the edge lines and lane lines in the direction of application. For combination solid yellow and skip yellow lines for turn lanes and for centerline markings on two-way roadways, three readings will be taken in one direction, the reflectometer will be turned 180 degrees and three more readings will be taken. The six readings for the centerline markings will be averaged and become the test reading for that test location.

If the Department chooses to take readings, the minimum retroreflectivity values will be 275 mc/m^2/lux for white and 170 mc/m^2/lux for yellow.

TABLE OF PERMANENT PAVEMENT MARKING QUANTITIES

LOCATION	4” WHITE, FT	4” YELLOW, FT
16A WB (MRM 59.46) Str. No. 52-308-411	180	180
16A EB (MRM 59.44) Str. No. 52-308-412	300	300
Traffic Control	1350	1350
Total:	**1830**	**1830**