

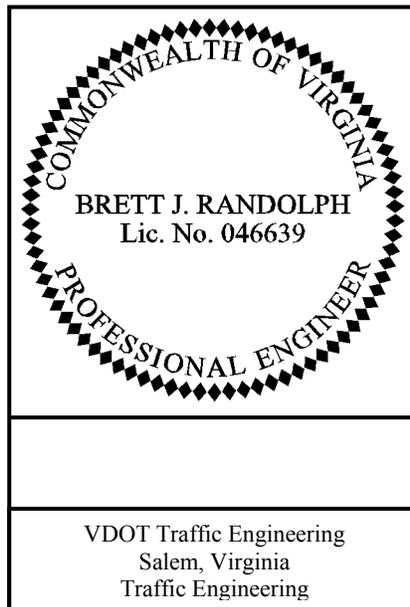
LD-450
7/01/09



COMMONWEALTH of VIRGINIA
DEPARTMENT OF TRANSPORTATION

DIVISION:

REPORT COVER SHEET – TASK ORDER



Responsible for All Pages

Project Description: Route 220 Pavement Marking Improvements Task 1
From: Route 870 (James Street) – Botetourt County
To: US 220 Business (Verge Street) – Alleghany County
Project UPC No.: 102736



				REFERENCE NO:	Task 1
LINE	ITEM	ITEM DESCRIPTION	APP QTY.	UNIT PRICE	BID AMOUNT
SPEC NUMBER			UNITS	DOLLARS CTS	DOLLARS CTS
					\$ 294,515.20
0010	10498	PAVEMENT ASPHALT GROOVING - 7" WIDTH	65,155.000		
ATTD			LF	\$ 1.1000	\$ 71,670.50
0020	10498	PAVEMENT ASPHALT GROOVING - 5" WIDTH			
ATTD			LF	\$ 0.8500	\$ -
0030	24727	TRUCK MOUNTED ATTENUATOR	150.000		
512			HR	\$ 42.0000	\$ 6,300.00
0040	24278	GROUP 2 CHANNELIZING DEVICES			
512			DAY	\$ 1.0000	\$ -
0050	24279	PORTABLE CHANGEABLE MESSAGE SIGN	260.000		
512			HR	\$ 21.0000	\$ 5,460.00
0060	24281	ELECTRONIC ARROW			
512			HR	\$ 2.5000	\$ -
0070	24282	FLAGGER SERVICE	260.000		
512			HR	\$ 25.0000	\$ 6,500.00
0080	54020	TYPE A PAVEMENT LINE MARKING 4"			
704			LF	\$ 0.0492	\$ -
0090	54022	TYPE A PAVEMENT LINE MARKING 6"	36,115.000		
704			LF	\$ 0.0694	\$ 2,506.38
0100	13331	TYPE A PAVEMENT LINE MARKING 8"			
505			LF	\$ 0.0984	\$ -
0110	54026	TYPE A PAVEMENT LINE MARKING 12"			
704			LF	\$ 1.5000	\$ -
0120	54028	TYPE A PAVEMENT LINE MARKING 24"			
704			LF	\$ 3.0000	\$ -
0130	54032	TYPE B CLASS I PAVE. LINE MARKING 4"			
704			LF	\$ 0.9500	\$ -
0140	54040	TYPE B CLASS I PAVE. LINE MARKING 12"			
704			LF	\$ 5.0000	\$ -

LINE	ITEM	ITEM DESCRIPTION	APP QTY.	UNIT PRICE	BID AMOUNT
SPEC NUMBER			UNITS	DOLLARS CTS	DOLLARS CTS
0150	54042	TYPE B CLASS I PAVE. LINE MARKING 24"			
704			LF	\$ 10.0000	\$ -
0160	54049	TYPE B CLASS III PAVE. LINE MARKING 4"			
704			LF	\$ 2.0000	\$ -
0170	54050	TYPE B CLASS III PAVE. LINE MARKING 6"			
704			LF	\$ 3.0000	\$ -
0180	54075	TYPE B CLASS VI PAVE. LINE MARKING 4"			
704			LF	\$ 2.7900	\$ -
0190	54076	TYPE B CLASS VI PAVE. LINE MARKING 6"			
ATTD704			LF	\$ 3.6800	\$ -
0200	54101	PAVEMENT MARKING PAVEMENT MARK, INSPECT RAISED SNOWPLOWAB			
ATTD			EA	\$ 1.0000	\$ -
0210	54105	ERADICATION OF EXIST. PAVEMENT MARKING	42,768.000		
512			LF	\$ 1.4000	\$ 59,875.20
0220	54106	ERADICATION OF EXIST. NONLINEAR PAVE. MARKING			
512			SF	\$ 2.7500	\$ -
0230	54120	REMOVE EXIST. RAISED PAVEMENT MARKER			
510			EA	\$ 24.0000	\$ -
0240	54216	REPLACE LENS (SNOW PLOW. RAISED MARKER)			
ATTD			EA	\$ 14.0000	\$ -
0250	54217	SNOW PLOW. RAISED PAVE. MARKER ASPH. CONC	817.000		
704			EA	\$ 24.0000	\$ 19,608.00
0260	24250	PAVEMENT MESSAGE MARK. BICYCLE ARROW			
704			EA	\$ 90.0000	\$ -
0270	54254	PAVEMENT MESSAGE MARK. BICYCLE LANE SYMBOL			
704			EA	\$ 200.0000	\$ -
0280	54300	PAVEMENT MESSAGE MARK. ELONGATED ARROW SINGLE			
704			EA	\$ 80.0000	\$ -
0290	54310	PAVEMENT MESSAGE MARK. ELONGATED ARROW DOUBLE			
704			EA	\$ 160.0000	\$ -
0300	54400	PAVEMENT MESSAGE MARK. "ONLY"			
505 ATTD			EA	\$ 350.0000	\$ -

LINE	ITEM	ITEM DESCRIPTION	APP QTY.	UNIT PRICE	BID AMOUNT
SPEC NUMBER			UNITS	DOLLARS CTS	DOLLARS CTS
0310	54401	PAVE. MESSAGE MARK. SCHOOL ZONE			
	704		EA	\$ 600.0000	\$ -
0320	54402	PAVE. MESSAGE MARKING TY A MESSAGE ARROW DOUBLE			
	ATTD		EA	\$ 75.0000	\$ -
0330	54402	PAVE. MESSAGE MARKING TY A MESSAGE ARROW SINGLE			
	ATTD		EA	\$ 50.0000	\$ -
0340	54402	PAVE. MESSAGE MARKING TY A MESSAGE ONLY			
	ATTD		EA	\$ 150.0000	\$ -
0350	54402	PAVE. MESSAGE MARKING TY A MESSAGE R/R CROSSING			
	ATTD		EA	\$ 500.0000	\$ -
0360	54402	PAVE. MESSAGE MARKING TY A MESSAGE SCHOOL			
	ATTD		EA	\$ 350.0000	\$ -
0370	54404	PAVE. MESSAGE MARK. R/R CROSSING			
	505		EA	\$ 800.0000	\$ -
380	54022	TYPE B CLASS I PAVE. LINE MARKING 6"	107,923.200		
	704		LF	\$ 0.7800	\$ 84,180.10
SUBTOTAL:					\$ 256,100.18
CEI:					\$ 25,610.02
CONT:					\$ 12,805.01
TOTAL:					\$ 294,515.20

ROUTE 220 - PAVEMENT MARKING SCHEDULE

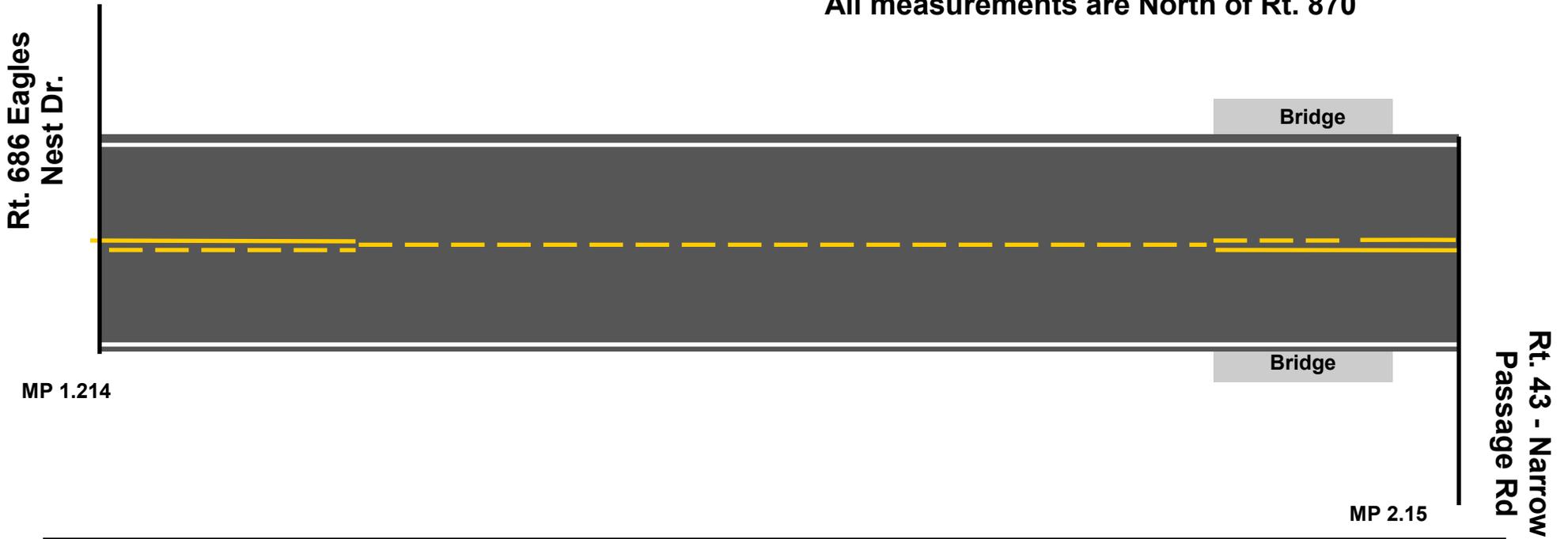
Jurisdiction	Year Paved	Location	State Milepost	Length	Improvements	Unit of Cost	Amount Needed	Quantity
Botetourt	2010	From Route 870 to End of Divided Median	96.85-97.05	0.20 miles	Groove CL (140 mm) - 7" width	Linear Foot	2 (2 lines for CL)	2112
				1056 feet	RPM	Each	1 Marker in CL every 40 feet	27
					Type B Class I 6" Thermoplastic	Linear Foot	2 (2 lines for CL)	2112
Botetourt	2008	From End of Divided Median to 0.20 miles north of Route 43	97.05-99.20	2.15 miles	***Eradicate	Linear Foot	2 (2 lines for CL)	22704
				11352 feet	Type B Class I 6" Thermoplastic	Linear Foot	2 (2 lines for CL)	22704
Botetourt	2005	From 0.20 miles north of Route 43 to 1.70 miles north of Route 43	99.20-100.7	1.50 miles	***Eradicate	Linear Foot	2 (2 lines for CL)	15840
				7920 feet	Type B Class I 6" Thermoplastic	Linear Foot	2 (2 lines for CL)	15840
Botetourt	2010	From 1.70 miles north of Route 43 to 0.16 miles north of Route 696-North Intersection	100.7-105.77	5.07 miles	Groove CL (140 mm) - 7" width	Linear Foot	2 (2 lines for CL)	53539
				26769.6 feet	RPM	Each	1 Marker in CL every 40 feet	670
					Type B Class I 6" Thermoplastic	Linear Foot	2 (2 lines for CL)	53539
Botetourt	1994	From 0.16 miles north of Route 696-North Intersection to north end of James River Bridge	105.77-107.61	1.84 miles	Type A 6" Paint	Linear Foot	2 (2 lines for CL)	19430
				9715.2 feet				
Botetourt	2010	From north end of James River Bridge to 0.03 miles north of Route 700	107.61-107.85	0.24 miles	Groove CL (140 mm) - 7" width	Linear Foot	2 (2 lines for CL)	2534
				1267.2 feet	RPM	Each	1 Marker in CL every 40 feet	32
					Type B Class I 6" Thermoplastic	Linear Foot	2 (2 lines for CL)	2534
Botetourt	2005	From 0.03 miles north of Route 700 to 0.43 miles north of Route 700	107.85-108.25	0.4 miles	***Eradicate	Linear Foot	2 (2 lines for CL)	4224
				2112 feet	Type B Class I 6" Thermoplastic	Linear Foot	2 (2 lines for CL)	4224
Botetourt	2005	From 0.43 miles north of Route 700 to Alleghany County Line	108.25-108.95	0.7 miles	Type A 6" Paint	Linear Foot	2 (2 lines for CL)	7392
				3696 feet				
Alleghany	2005	From Alleghany County Line to NCL Iron Gate	108.95-109.83	0.88 miles	Type A 6" Paint	Linear Foot	2 (2 lines for CL)	9292
				4646 feet				
Alleghany	2011	From NCL Iron Gate to US 220 Business	109.83-110.49	0.66 miles	Groove CL (140 mm) - 7" width	Linear Foot	2 (2 lines for CL)	6969
				3484.8 feet	RPM	Each	1 Marker in CL every 40 feet	88
					Type B Class I 6" Thermoplastic	Linear Foot	2 (2 lines for CL)	6970

***Note: In locations where eradication is proposed, disturbance to the existing pavement should be minimal due to the age of the existing pavement.

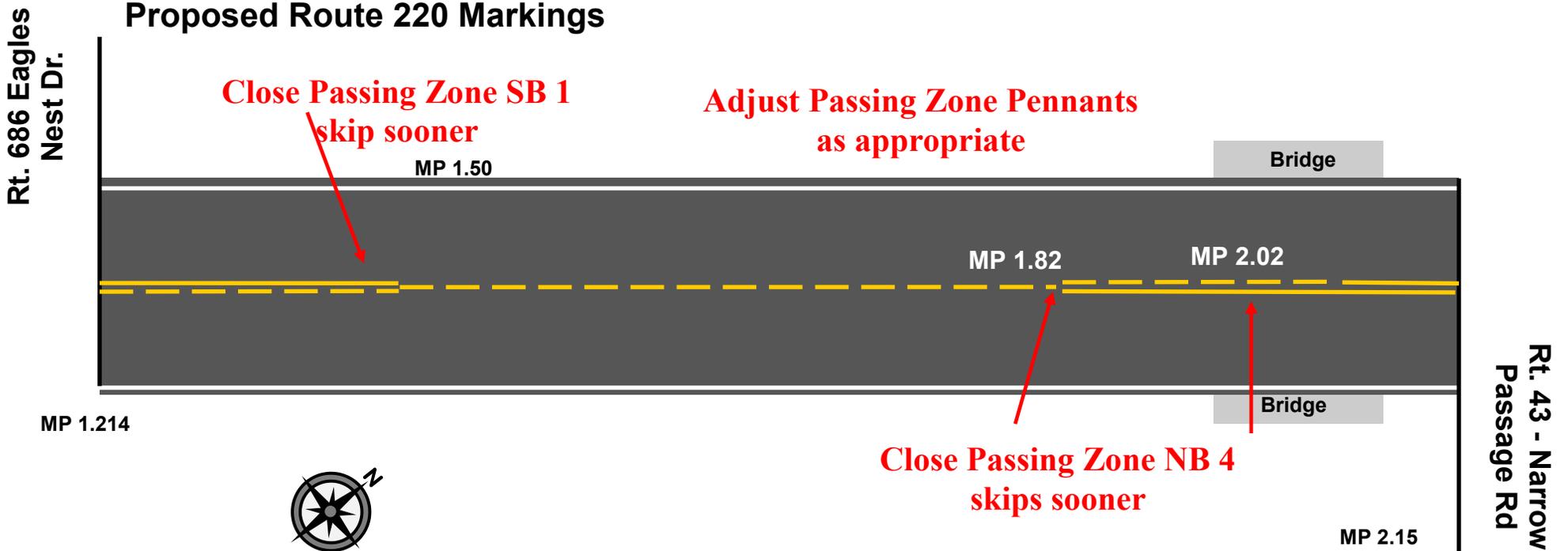
*Note: All centerline markings will be replaced in kind with the exception of provided passing zone modification sketches.

Existing Route 220 Markings

***Note: MP: 0 is at Route 870 (James Street) - All measurements are North of Rt. 870



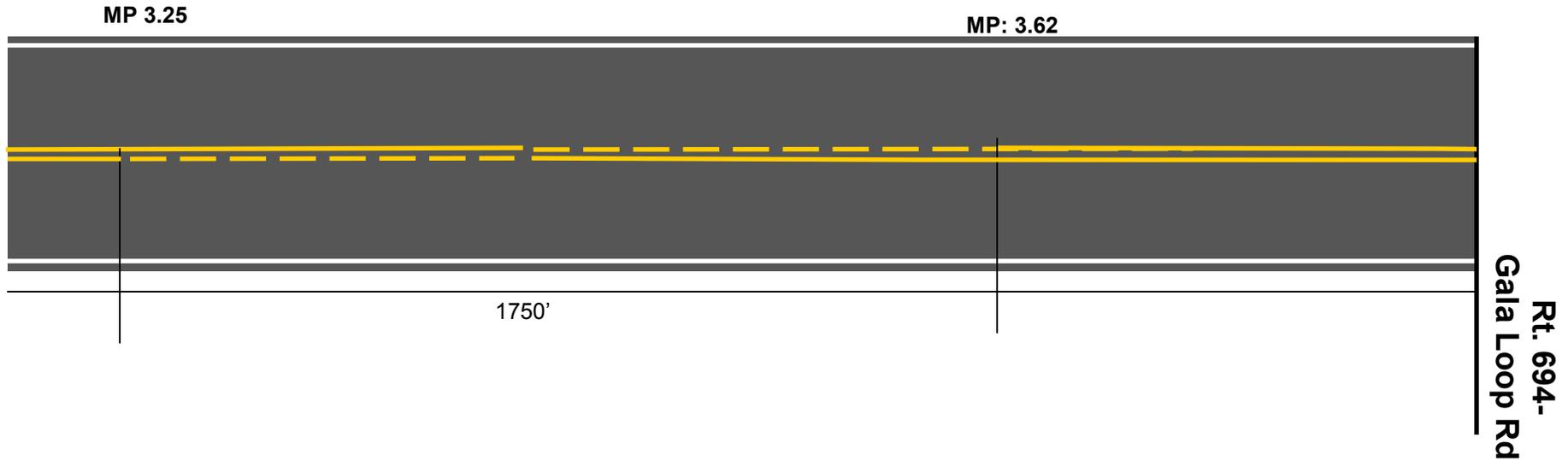
Proposed Route 220 Markings



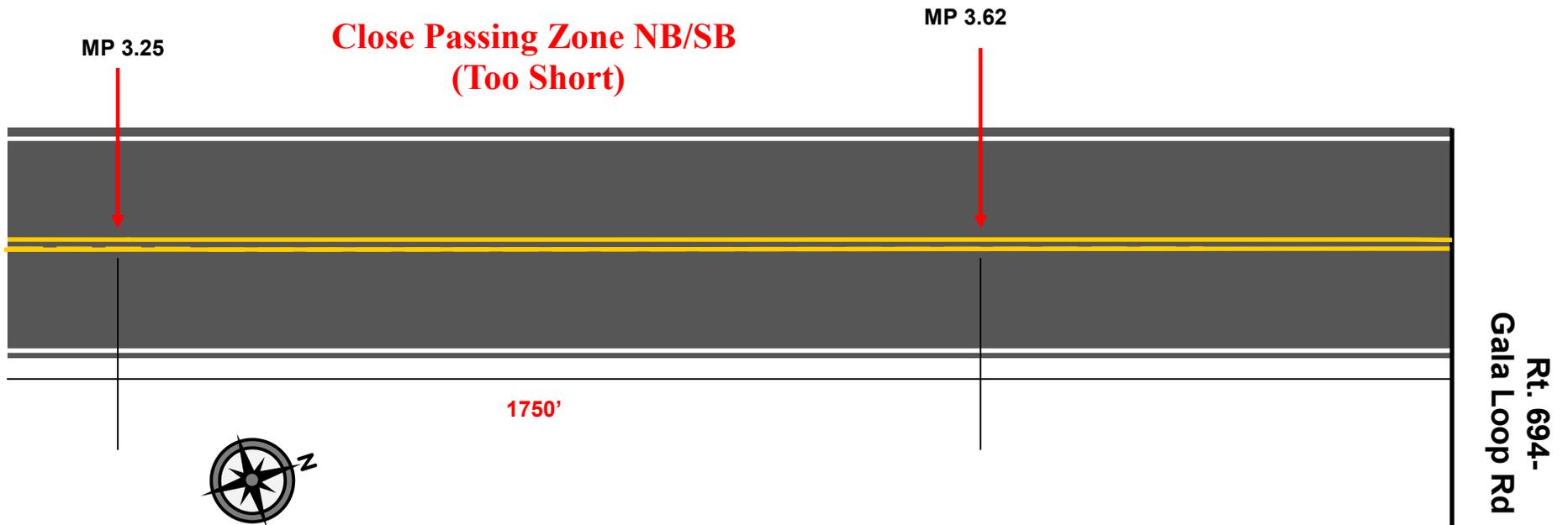
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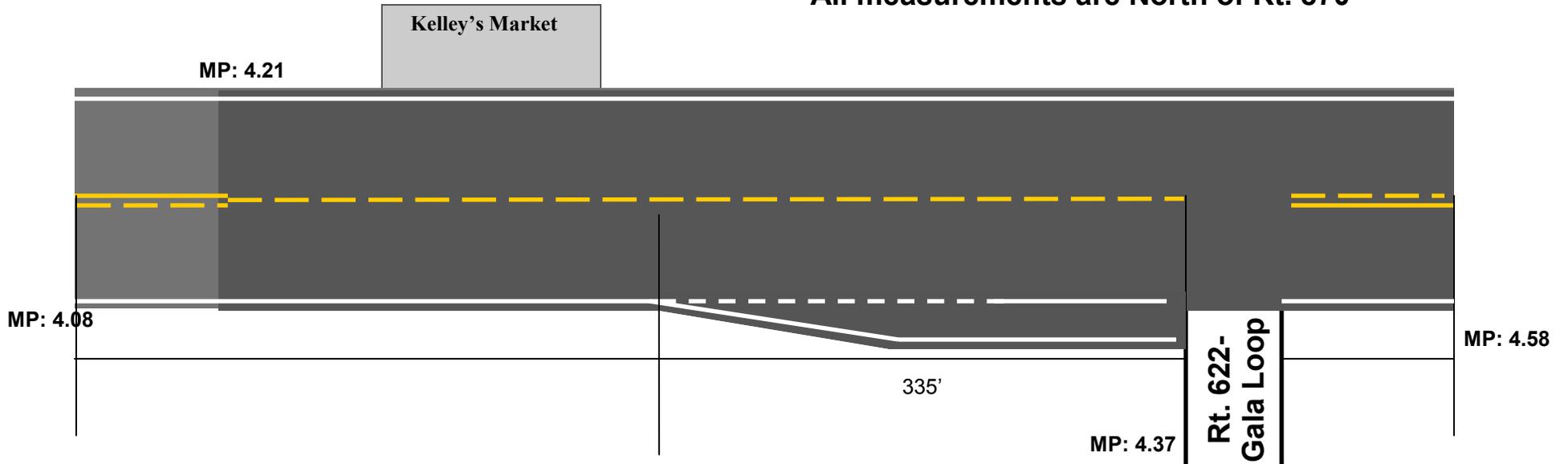
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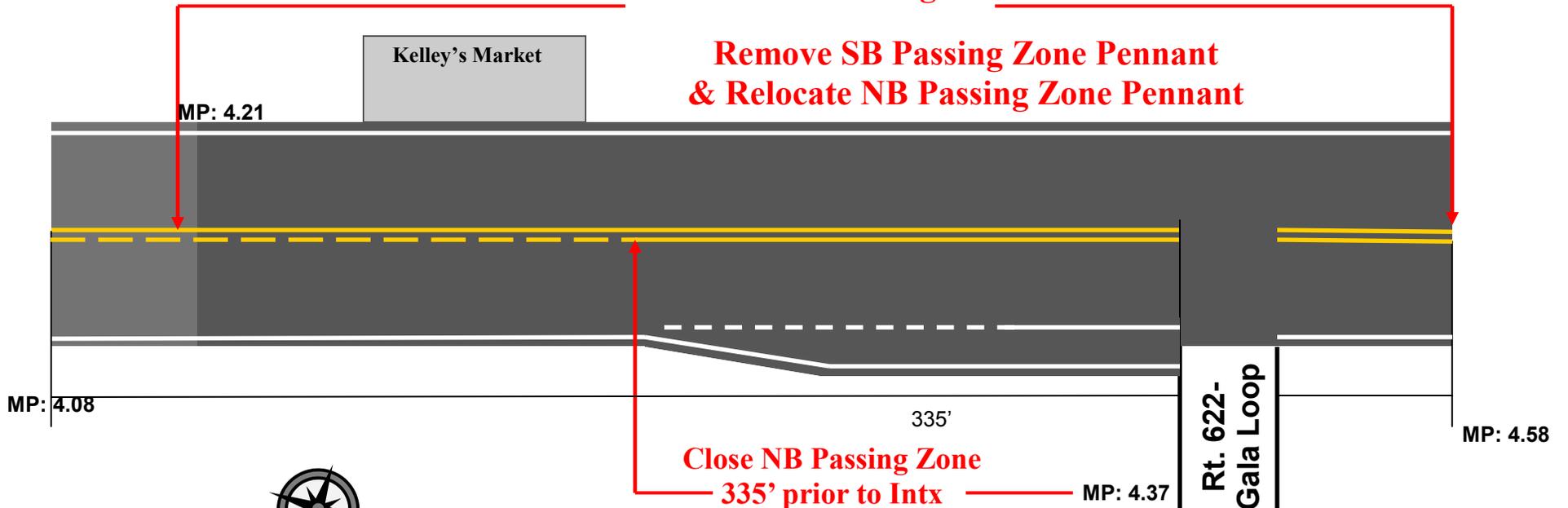
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Proposed Route 220 Markings

Close entire SB Passing Zone

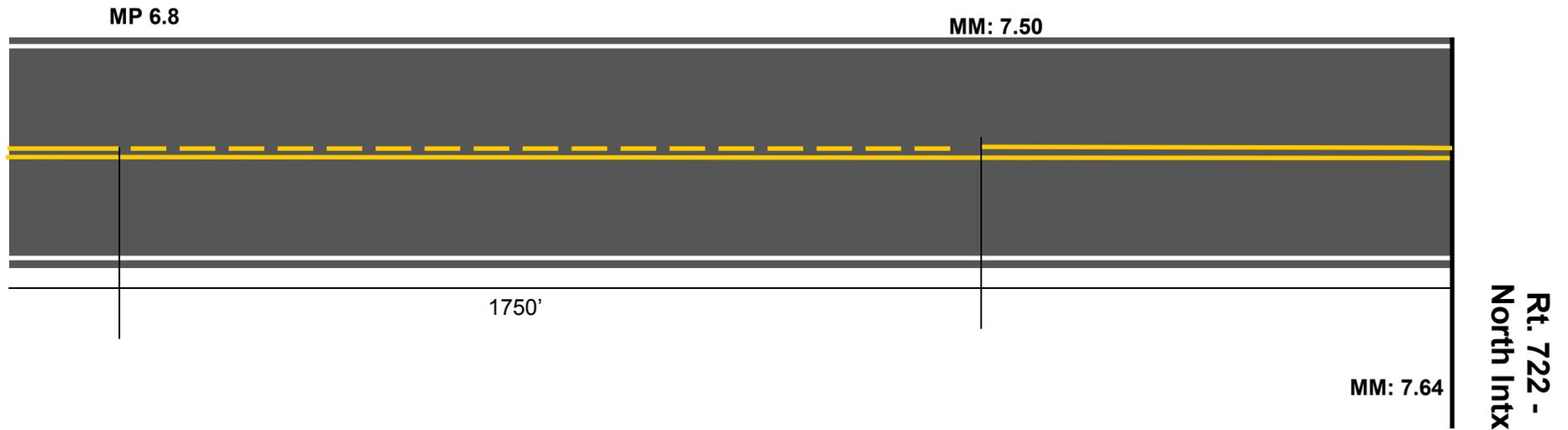
**Remove SB Passing Zone Pennant
& Relocate NB Passing Zone Pennant**



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Existing Route 220 Markings

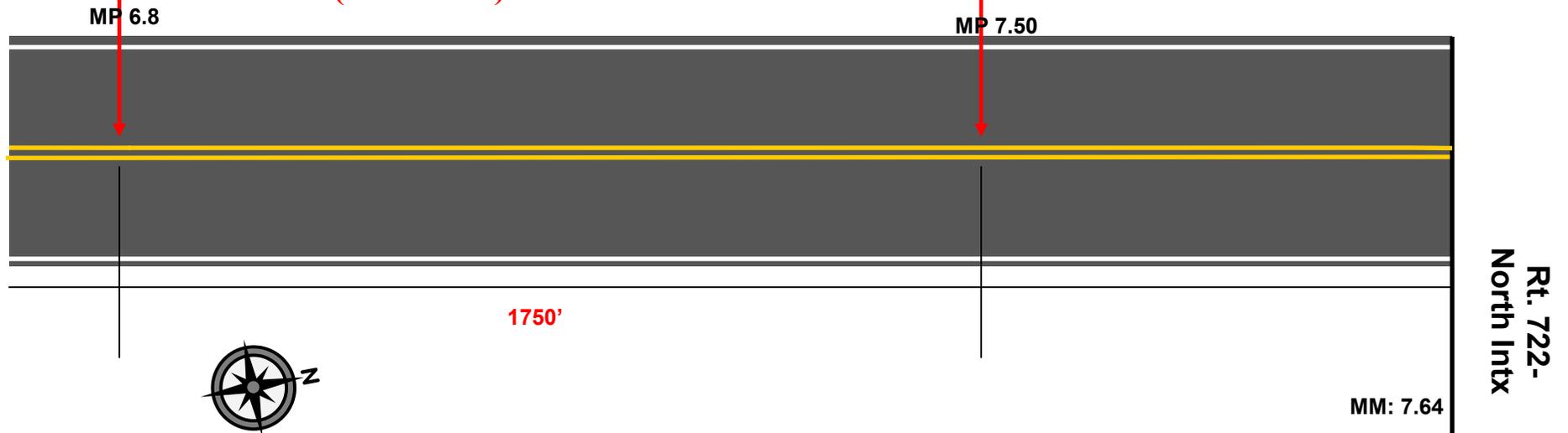
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Proposed Route 220 Markings

**Close Passing Zone SB
(Too Short)**

**Remove Passing
Zone Pennants**



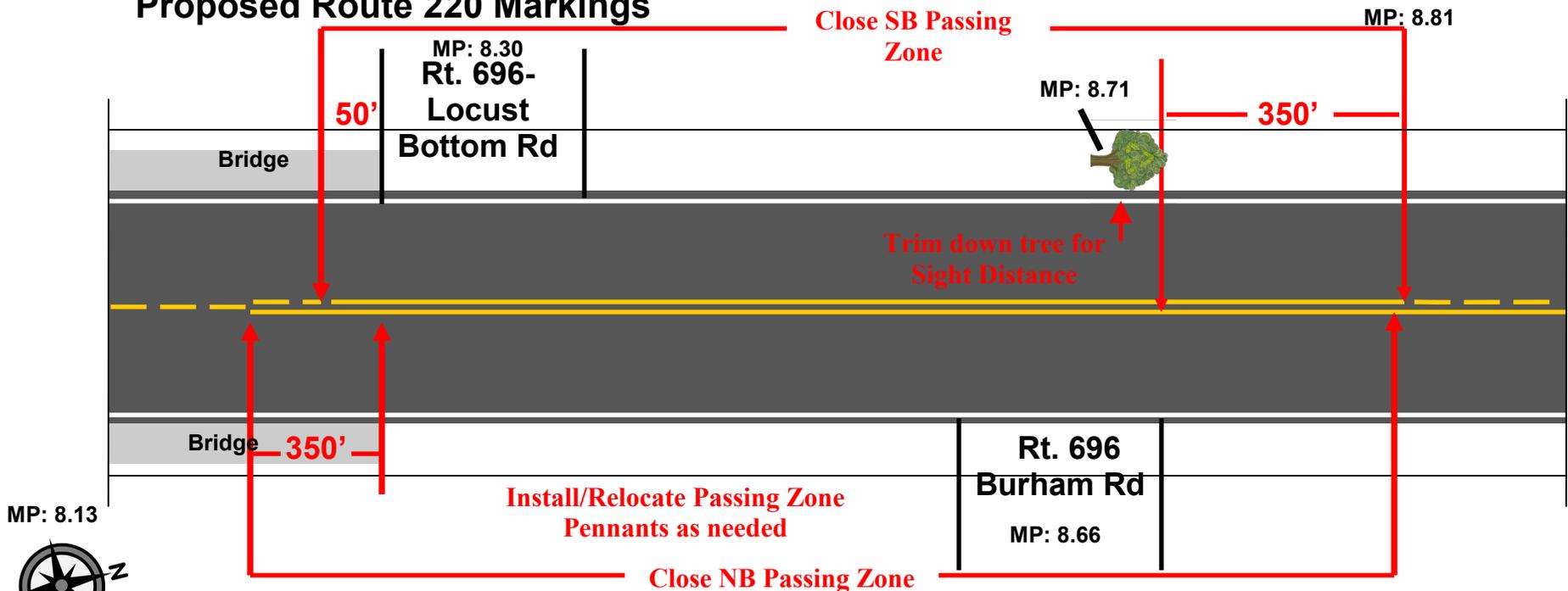
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Proposed Route 220 Markings



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