# MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION PLANS FOR PROPOSED STATE HIGHWAY

# INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (1 SHEET)	2
QUANTITIES (QU) (1 SHEET)	3
PLAN (PP)	4
TRAFFIC CONTROL SHEETS (TC)	5-7

# DATE PREPARED 6/10/2011 ROUTE STATE MO DISTRICT SHEET NO. 1 COUNTY JOB NO. CONTRACT ID. PROJECT NO. BRIDGE NO.

"THIS MEDIA SHOULD

## LENGTH OF PROJECT

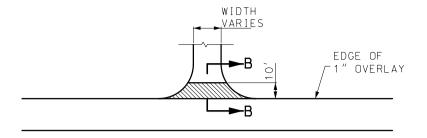
BEGINNING OF PROJECT END OF PROJECT

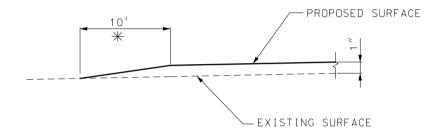
APPARENT LENGTH MILES

EQUATIONS AND EXCEPTIONS:

MISSOURI HICHWAYS AND TRAI
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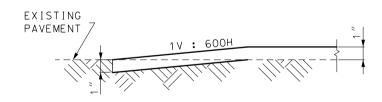
TOTAL CORRECTIONS
NET LENGTH OF PROJECT
STATE LENGTH



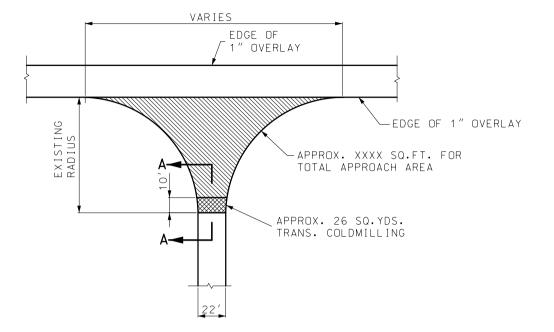


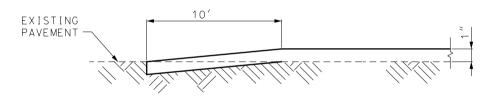
SECTION B-B

TYPICAL ENTRANCE
(FIELD, PRIVATE OR COUNTY ROAD)
\*\*TAPER AT 1:1 FOR FIELD ENTRANCE



TRAVELWAY DEPTH TRANSITIONS
BEGINNING AND END OF PROJECT
AND EXCEPTIONS





SECTION A-A

TYPICAL STATE ROUTE JUNCTION

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DATE DESCRIPTION								IF A SEAL IS PRESENT
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RANSPORTATION					OS WEST CAPITOL	4 CITY, MO 65102	1-888-275-6636)	

# MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

### **SUMMARY OF QUANTITIES**

	BITUMINOUS PAVEMENT SURFACE LEVELING PG64-22										
LOG MILE	LOG MILE	NE T	AVERAGE	QUANTITY	TACK	F	REMARKS				
		LENGTH	WIDTH	1.987 Tons/CY	.05 GAL/SQ.YD.						
		MILES	FEET	TONS	GALLONS						
TRAVELWAY -	- ROUTE 156										
			TOTALS								

BI	BITUMINOUS PAVEMENT SURFACE LEVELING PG64-22 (INTERSECTIONS/ENTRANCES)								
LOG MILE	NET	AVERAGE	QUANTITY	TACK	REMARKS				
	LENGTH	WIDTH	1.987 Tons/CY	.05 GAL/SQ.YD					
	MILES	FEET	TONS	GALLONS					
STATE ROUTE	ENTRANCES								
		TOTALC			What is dead for a surfactor to take to				
		TOTALS			*included in surfacing totals				

MODIF	IED COL	D MILLI	NG (DEPTH TRANSITION)
LOG MILE	LOG MILE	QUANTITY	REMARKS
		SQ.YD.	
STATE R	OUTE EN	TRANCES	
	TOTAL		

TEMPORAF	RY RAISE	D PAVEME	NT MARKER, TYPE 2
LOG MILE	LOG MILE	QUANTITY	REMARKS
		EACH	
	+	+	
	T		
	<u> </u>		
	TOTAL		

			С	CTION SIGN	ING	
SIGN NO.	SIGN	SIZE (in.)	AREA	QTY.	TOTAL AREA (ft.²)	DESCRIPTION
2 **	WO20-1	48 × 48	16.00	Х	XXX	ROAD WORK AHEAD
7	WO20-4	48 × 48	16.00	4	64	ONE LANE ROAD AHEAD
8	W020-7a	48 × 48	16.00	4	64	FLAGGER (SYMBOL) (WITH FLAGS)
4 & 25	R2-1	36 × 48	12.00	8	96	SPEED LIMIT XX @ 3-XX MPH @5 3-XX MPH
69	G023-1	36 × 12	3.00	4	12	WORK ZONE PLAQUE
3	W3-5	36 × 36	9.00	4	36	REDUCED SPEED AHEAD (SYMBOL) (3) 3-XX MPH
1) *	G020-1	60 × 24	10.00	2	20	ROAD WORK NEXT XX MILES 1 2-XX MILES
26	G020-2a	48 × 24	8.00	2	16	END ROAD WORK
35	WO8-12	36 × 36	9.00	Х	xx.xx	NO CENTER STRIPE
63	G020-4	36 × 18	4.75	Х	xx.xx	PILOT CAR FOLLOW ME
36	WO8-11	36 × 36	9.00	Х	xx.xx	UNEVEN LANES
68	G020-4a	42 × 30	8.75	Х	xx.xx	PLEASE WAIT FOR PILOT CAR
69	CONST-6-48	48 × 48	16.00	2	32.00	DRIVE SMART
616-10 CONSTR	.05 UCTION SIGN	IS TOTAL			xxx.xx	NOTE •

NOTE:

\*\* ADDITIONAL SIGN NO. 2 USED AS SHOWN ON TRAFFIC CONTROL SHEET 2 OF 3 AND AS DIRECTED BY ENGINEER.

\* IF LESS THAN TWO (2) MILES, DELETE SIGN NO. 1.

REFER TO STANDARD PLAN 616.10 AND 903.03 FOR SIGN AND SIGN MOUNTING REQUIREMENTS.

SUMMARY SHEET SHEET 1 OF 1

MO JOB NO. CONTRACT ID. BRIDGE NO.

"THIS MEDIA SHOULD NOT BE CONSIDERED
A CERTIFIED
DOCUMENT."

2/17/2012

FLAG ASSEMBLIES

REMARKS

QUANTITY

EACH

TOTAL

# MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

### **SUMMARY OF QUANTITIES**

	BITUMINOUS PAVEMENT SURFACE LEVELING PG64-22									
LOG MIL	E LOG MIL	E NET	AVERAGE	QUANTITY	TACK	REMARKS				
		LENGTH	WIDTH	1.987 Tons/CY	.05 GAL/SQ.YD.					
		MILES	FEET	TONS	GALLONS					
TRAVELWA	Y - ROUTE 15	6								
			TOTALS							

	BITUMINOUS PAVEMENT SURFACE LEVELING PG64-22 (INTERSECTIONS/ENTRANCES)								
LOG	MILE	NET	AVERAGE	QUANTITY	TACK	REMARKS			
		LENGTH	WIDTH	1.987 Tons/CY	.05 GAL/SQ.YD				
		MILES	FEET	TONS	GALLONS				
STATE	ROUTE	ENTRANCES							
			TOTALS			*included in surfacing totals			

MODIF	IED	COL	MILLI	NG	(DEPTH	TRANSITION)
LOG MILE	LOG N	/ILE	YTITNAUC		R	EMARKS
			SQ.YD.			
STATE R	OUTE	ENT	RANCES			
	ТОТ	ΔΙ				

TEMPORARY RAISED PAVEMENT MARKER, TYPE 2									
LOG MILE	LOG MILE	QUANTITY	REMARKS						
		EACH							
	TOTAL								
	TOTAL								

			С	ONSTRU	CTION SIGN	ING
SIGN NO:	SIGN	SIZE (in.)	AREA	QTY.	TOTAL AREA (ft.²)	DESCRIPTION
2 **	WO20-1	48 × 48	16.00	Х	XXX	ROAD WORK AHEAD
7	WO20-4	48 × 48	16.00	4	64	ONE LANE ROAD AHEAD
8	W020-7a	48 × 48	16.00	4	64	FLAGGER (SYMBOL) (WITH FLAGS)
4 & 25	R2-1	36 × 48	12.00	8	96	SPEED LIMIT XX (4) 3-XX MPH (25) 3-XX MPH
69	G023-1	36 × 12	3.00	4	12	WORK ZONE PLAQUE
3	W3-5	36 × 36	9.00	4	36	REDUCED SPEED AHEAD (SYMBOL) (3) 3-XX MPH
1)*	G020-1	60 × 24	10.00	2	20	ROAD WORK NEXT XX MILES 1 2-XX MILES
26	G020-2a	48 × 24	8.00	2	16	END ROAD WORK
35	WO8-12	36 × 36	9.00	Х	XX.XX	NO CENTER STRIPE
39	WO8-11	36 × 36	9.00	Х	XX.XX	UNEVEN LANES
69	CONST-6-48	48 × 48	16.00	2	32.00	DRIVE SMART
616-10 CONSTR	.05 UCTION SIGN	NS TOTAL	•		xxx.xx	V IF LESS THAN TWO (2) MILES DELETE

FLAG ASSEMBLIES					
	QUANTITY	REMARKS			
	EACH				
LTOTAL					

\* IF LESS THAN TWO (2) MILES, DELETE SIGN NO. 1.

\*\* ADDITIONAL SIGN NO. 2 USED AS SHOWN ON TRAFFIC CONTROL SHEET 2 OF 3 AND AS DIRECTED BY ENGINEER.

ITEM NO.	QTY.	DESCRIPTION
616-10.25	X	CHANNELIZERS (TRIM-LINE)

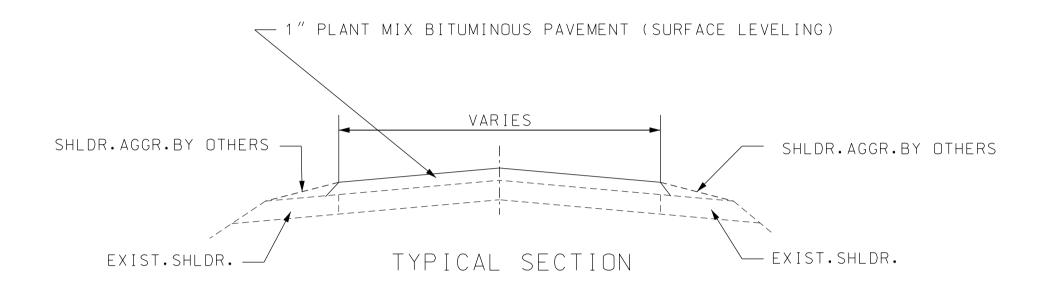
NOTE:

REFER TO STANDARD PLAN 616.10 AND 903.03 FOR SIGN AND SIGN MOUNTING REQUIREMENTS.

SUMMARY SHEET SHEET 1 OF 1

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

2/17/2012



STRIPING TO BE COMPLETED BY OTHERS.

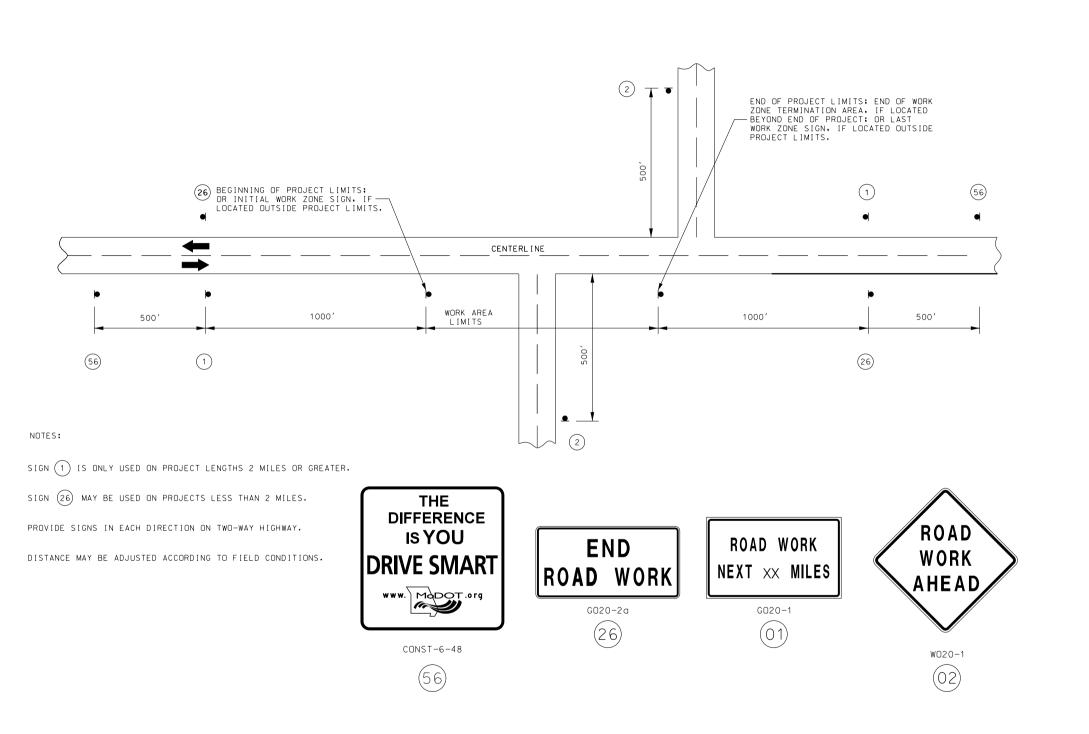
NOTIFY ENGINEER TWO WEEKS PRIOR TO PROJECT COMPLETION

NOTE: SURFACE PLACEMENT SHALL BE ONE PASS PER LANE NO S.E. CORRECTION.

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TYPICAL SECTION

SHEET 1 OF 1



TRAFFIC CONTROL
SHEET 1 OF 3

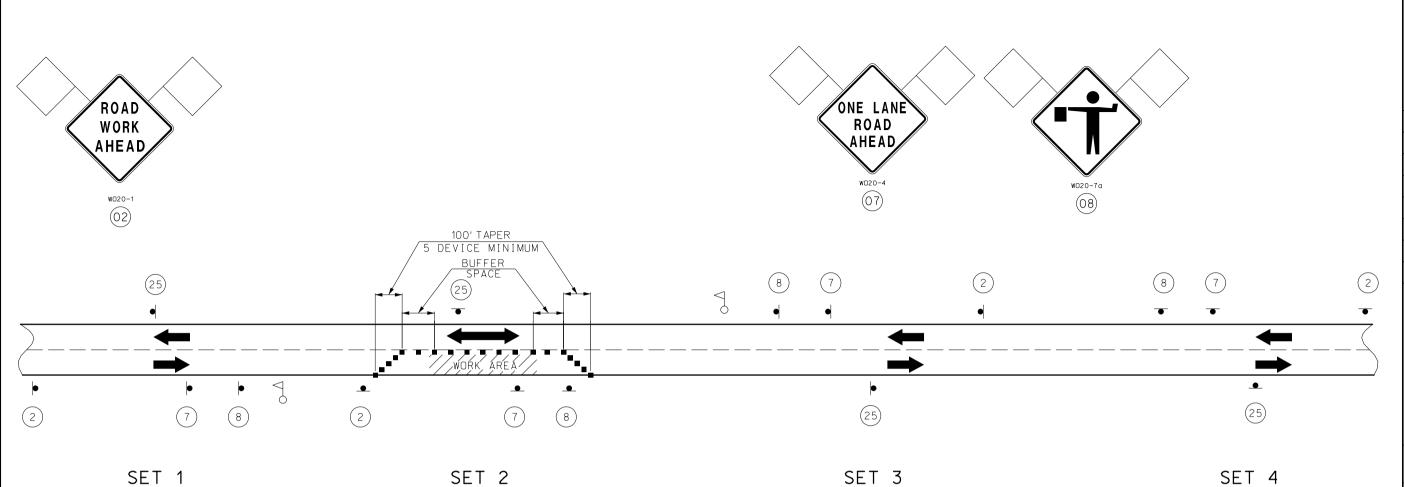
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6/10/2011

JOB NO.

BRIDGE NO.

MO SHEET NO.



SIGN SETS 1 AND 3 ARE ACTIVE AND (I.E., SIGNS FACE ONCOMING TRAFFIC).

INACTIVE

SIGN SETS 2 AND 4 ARE INACTIVE (I.E., SIGNS DO NOT FACE EITHER DIRECTION OF TRAFFIC) WHEN THE RESURFACING OPERATION IS LOCATED BETWEEN SIGN SETS 1 AND 3.

WHEN SIGN SETS 2 AND 4 ARE ACTIVE, SIGN SETS 1 AND 3 BECOME INACTIVE AND ARE ADVANCED TO BECOME SETS 2 AND 4 WITH SIGN LEGENDS TURNED AWAY FROM BOTH DIRECTIONS OF TRAFFIC. WHEN THE RESURFACING OPERATION ADVANCES TO BETWEEN SIGN SETS 2 AND 4, SIGN SETS 2 AND 4 BECOME ACTIVE (I.E., NEW SIGN SETS 1 AND 3) AND SIGN SETS 1 AND 3 ADVANCED IN THE DIRECTION OF THE OPERATION (I.E., NEW SIGN SETS 2 AND 4).

### - CHANNELIZERS

7 - FLAGGER

ACTIVE

NOTES:

DAYLIGHT FLAGGING OPERATIONS ONLY.

CHANNELIZING DEVICES LOCATED DOWNSTREAM OF THE ONE-LANE, TWO-WAY TAPER ARE OPTIONAL. THESE DEVICES SHOULD BE ELIMINATED WHEN THEIR USE WILL REDUCE THE USABLE LANE WIDTH, INCLUDING ANY ACCEPTABLE SHOULDERS, TO LESS THAN 10' OR WILL SIGNIFICANTLY AFFECT THE RESURFACING OPERATION.

FLAG ASSEMBLIES FOR SIGNS WILL BE PAID FOR AS EACH PER SIGN, EXCEPT FOR SIGN W020-7A WHICH IS SUBSIDIARY TO THE SIGN.

SIGN SPACING FOR ADVANCE SIGN SERIES (2) (3)					
SPEED (1) MPH	NON-DIVIDED HIGHWAYS	DIVIDED HIGHWAYS			
0 - 35	200	200			
40 - 45	350	500			
50 - 55	500	1000			
60 - 70	SA - 1000 FT. AND SC -	SB - 1500 FT. 2640 FT.			

### NOTES:

ACTIVE

DIMENSIONS IN FEET UNLESS OTHERWISE NOTED.

- (1) POSTED SPEED LIMIT PRIOR TO ROAD WORK.
- (2) SPACING BETWEEN SIGNS, BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER OR SIGNED CONDITION.
- (3) SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

TRAFFIC CONTROL SHEET 2 OF 3

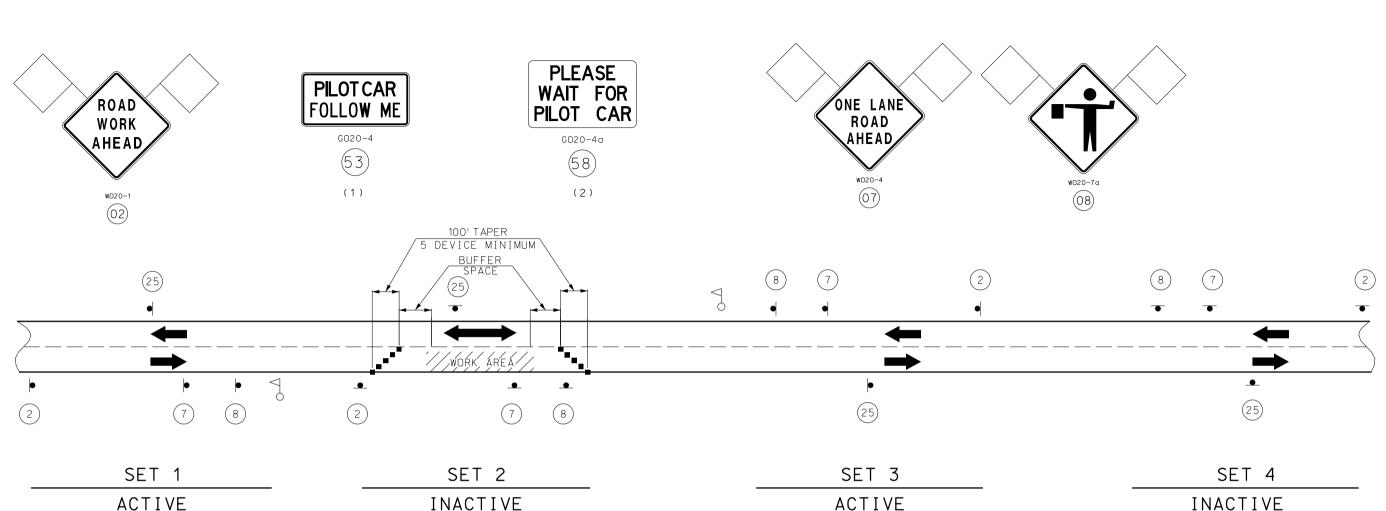
INACTIVE

NOT BE CONSIDERED A CERTIFIED DOCUMENT. 6/9/2011 ROUTE MO SHEET NO 6 COUNTY JOB NO. CONTRACT ID. PROJECT NO. BRIDGE NO.

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SIGN SETS 1 AND 3 ARE ACTIVE AND (I.E., SIGNS FACE ONCOMING TRAFFIC).

SIGN SETS 2 AND 4 ARE INACTIVE (I.E., SIGNS DO NOT FACE EITHER DIRECTION OF TRAFFIC) WHEN THE RESURFACING OPERATION IS LOCATED BETWEEN SIGN SETS 1 AND 3.

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- CHANNELIZERS

- FLAGGER

NOTES:

DAYLIGHT FLAGGING OPERATIONS ONLY.

CHANNELIZING DEVICES LOCATED DOWNSTREAM OF THE ONE-LANE, TWO-WAY TAPER ARE OPTIONAL. THESE DEVICES SHOULD BE ELIMINATED WHEN THEIR USE WILL REDUCE THE USABLE LANE WIDTH, INCLUDING ANY ACCEPTABLE SHOULDERS, TO LESS THAN 10' OR WILL SIGNIFICANTLY AFFECT THE RESURFACING OPERATION.

FLAG ASSEMBLIES FOR SIGNS WILL BE PAID FOR AS EACH PER SIGN, EXCEPT FOR SIGN W020-7A WHICH IS SUBSIDIARY TO THE SIGN.

- (1) SIGN 58 . "PILOT CAR FOLLOW ME" SHALL BE IN CONTRACTOR'S RESPONSIBILITY WHEN IN USE DURING OPERATION.
- (2) FOR PLACEMENT OF SIGN 53 , SEE SHEET 7.

SIGN SPACING FOR ADVANCE SIGN SERIES (2) (3)						
SPEED (1) MPH	NON-DIVIDED HIGHWAYS	DIVIDED HIGHWAYS				
0 - 35	200	200				
40 - 45	350	500				
50 - 55	500	1000				
60 - 70		SB - 1500 FT.				

### NOTES:

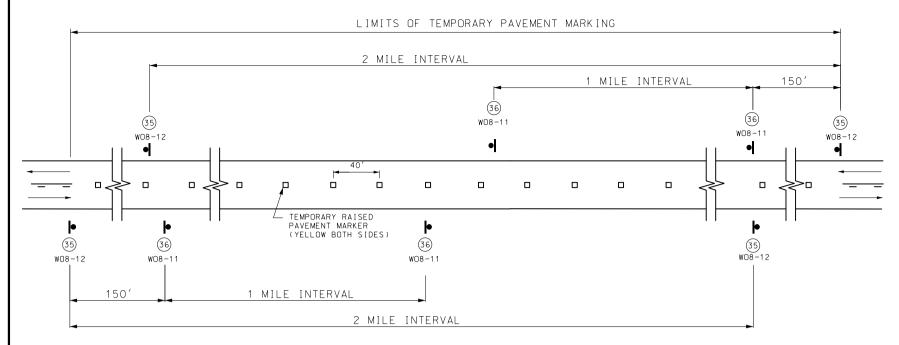
DIMENSIONS IN FEET UNLESS OTHERWISE NOTED.

- (1) POSTED SPEED LIMIT PRIOR TO ROAD WORK.
- (2) SPACING BETWEEN SIGNS, BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER OR SIGNED CONDITION.
- (3) SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

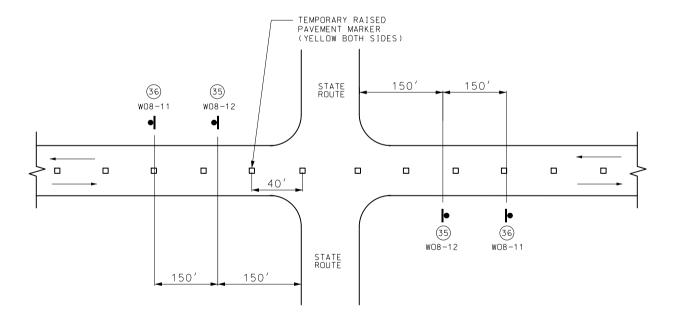
TRAFFIC CONTROL SHEET 2 OF 3

DOCUMENT. 6/10/2011 ROUTE MO SHEET NO 6 COUNTY JOB NO. CONTRACT ID. PROJECT NO. BRIDGE NO.

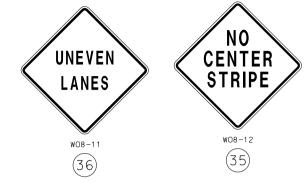
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# SIGN SPACING FOR MAINLINE



SIGN SPACING AT STATE ROUTE INTERSECTIONS



NOTES:

SIGN 35 AND TEMPORARY PAVEMENT MARKING INSTALLED WHERE CENTERLINE STRIPING HAS BEEN COVERED OR REMOVED. SIGNS ARE TO REMAIN IN PLACE UNTIL THE PERMANENT CENTERLINE PAVEMENT MARKINGS ARE IN PLACE. SIGNS SHALL BE COVERED OR REMOVED WHEN PAVEMENT CENTERLINE MARKING HAS BEEN INSTALLED.

SIGN (35) IS PLACED AT APPROXIMATELY TWO-MILE INTERVALS AND AT STATE ROUTE JUNCTIONS. WHEN THE INSTALLATION AT A JUNCTION IS WITHIN ONE-EIGHTH MILE OF THE NORMAL MAINLINE SIGN (35). THE LATTER MAY BE ELIMINATED.

ALL SIGNS SHALL BE POST MOUNTED AND IN ACCORDANCE WITH STANDARD PLAN 616.10 AND 903.03.

TEMPORARY RAISED PAVEMENT MARKERS SHALL BE INSTALLED BY THE END OF EACH DAY.

TRAFFIC CONTROL SHEET 3 OF 3

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