

INDEX OF SHEETS

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STANDARD PLANS

920-R6	(3 SHEETS) TRAFFIC CONTROL, CONSTRUCTION AND MAINTENANCE
922-R9	(2 SHEETS) TRAFFIC CONTROL FOR ASPHALT SURFACING

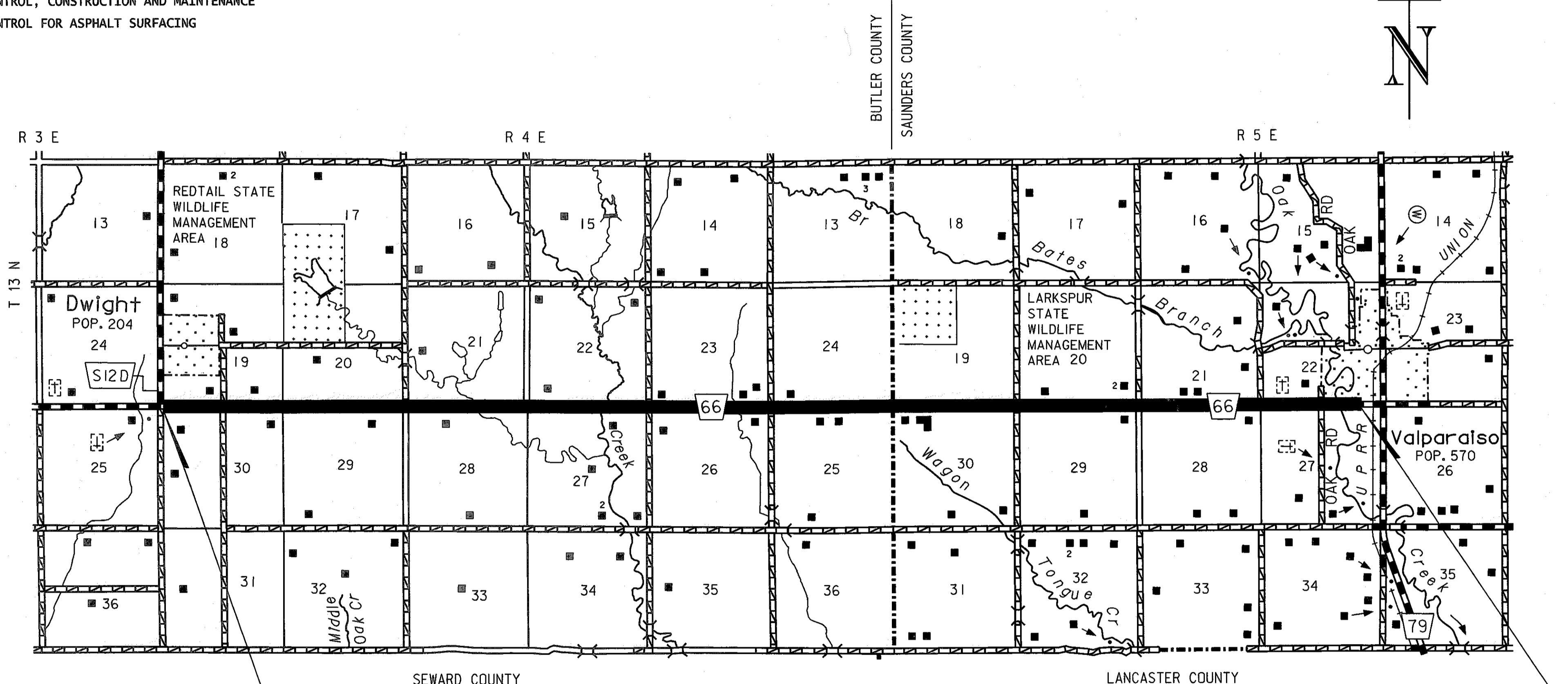
STATE OF NEBRASKA
DEPARTMENT OF ROADS
PLANS FOR CONSTRUCTION
DWIGHT - N-79
BUTLER & SAUNDERS COUNTIES

PROJECT NO.	SHEET NO.
STP-66-6(1105)	1
▲ CONTROL NO. 13018	
▲ CONTROL NO.	
■ CONTROL NO.	

THE 2007 EDITION OF THE NEBRASKA STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS APPLY TO THIS PROJECT.

THE WORK ON THIS PROJECT CONSISTS OF GROUPS	
9-BITUMINOUS	
▲ GROUPS 9	ARE INCLUDED
IN THE LETTING OF DECEMBER 18, 2014	
▲ GROUPS	ARE INCLUDED
IN THE LETTING OF	
■ GROUPS	ARE INCLUDED
IN THE LETTING OF	

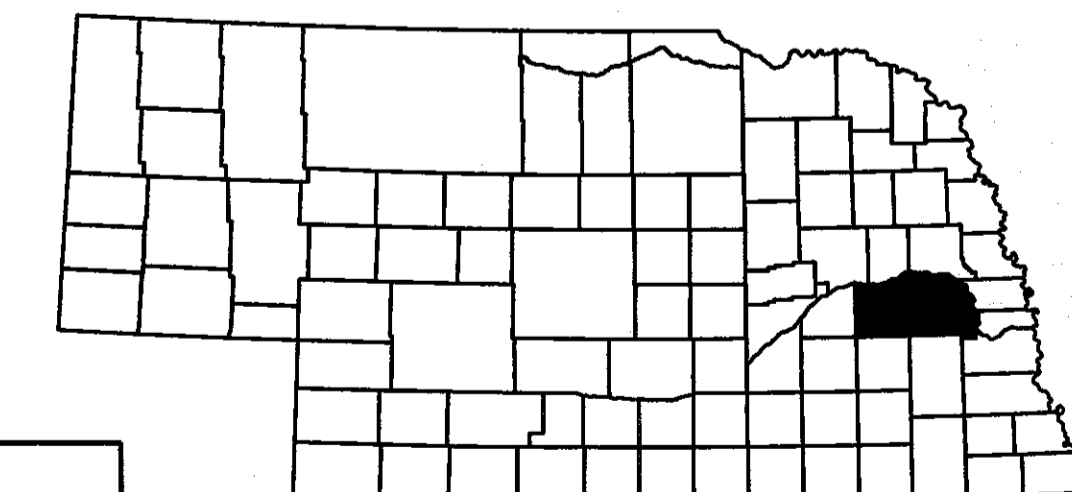
DESIGN DESIGNATION
MAINTENANCE
TRAFFIC
YEAR: 2015
ADT: 990



BEGIN PROJECT
STA. 0+60.00

END PROJECT
STA. 526+91.00

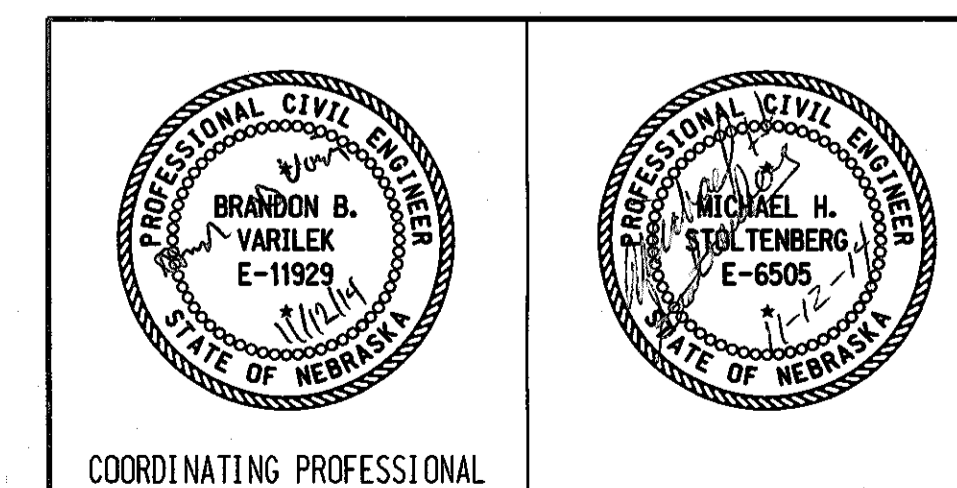
Project Raw Materials (Tons)	18,740
Post Consumer Recycle Content in Project Raw Materials (Tons)	7,714
Post Consumer Recycle Content	41%
Estimated Value of Post Consumer Content Recycled	\$378,853



REFERENCE POST NO. 50+94 TO REFERENCE POST NO. 60+92

BRIDGE EXCEPTIONS: FROM STA. 135+21.65 TO STA. 137+14.35
FROM STA. 189+74.25 TO STA. 192+05.75
FROM STA. 509+63.94 TO STA. 512+56.06

TOTAL NET LENGTH OF PROJECT: 51,914.68 FEET 9.832 MILES



CONVENTIONAL SIGNS

FENCE R.O.W. OR WIRE	
GUARDRAIL	
TRAVELED WAY	
DIKE	
CULVERT	
POWER POLE	
TELEPHONE POLE	
MAILBOX	
RAILROAD TRACKS	
MARSH	
TREE - CONIFEROUS	
TREE - DECIDUOUS	

R.O.W. LEGEND

NEW CONTROLLED ACCESS	
PREVIOUS CONTROLLED ACCESS	
LIMITS OF CONSTRUCTION	
PREVIOUS R.O.W.	
NEW R.O.W.	
EXISTING PERMANENT EASEMENT	
TEMPORARY EASEMENT	
EXCESS TAKING	
PERMANENT EASEMENT	
EXISTING RAILROAD EASEMENT	
NEW RAILROAD PERMANENT EASEMENT	
NEW RAILROAD TEMPORARY EASEMENT	

CONSTRUCTION DIVISION

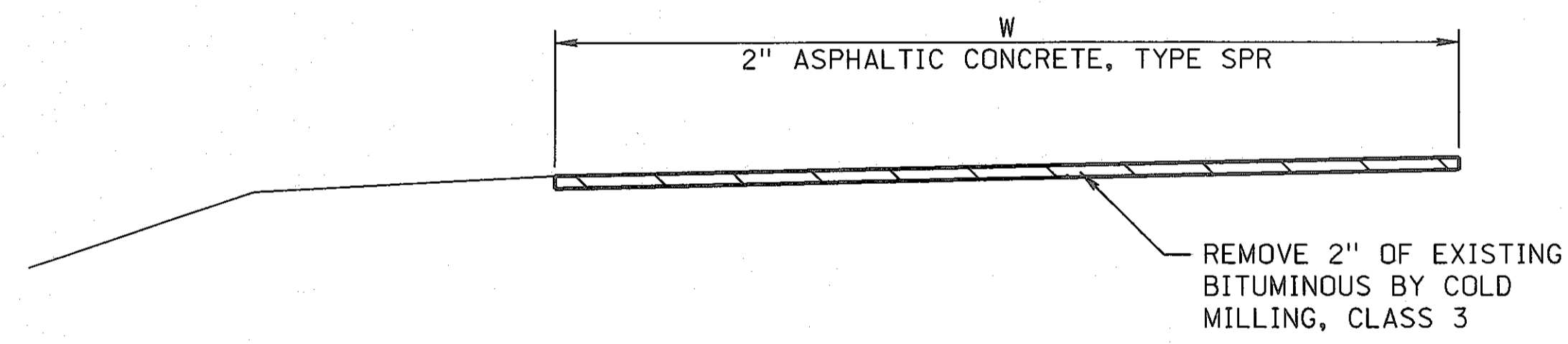
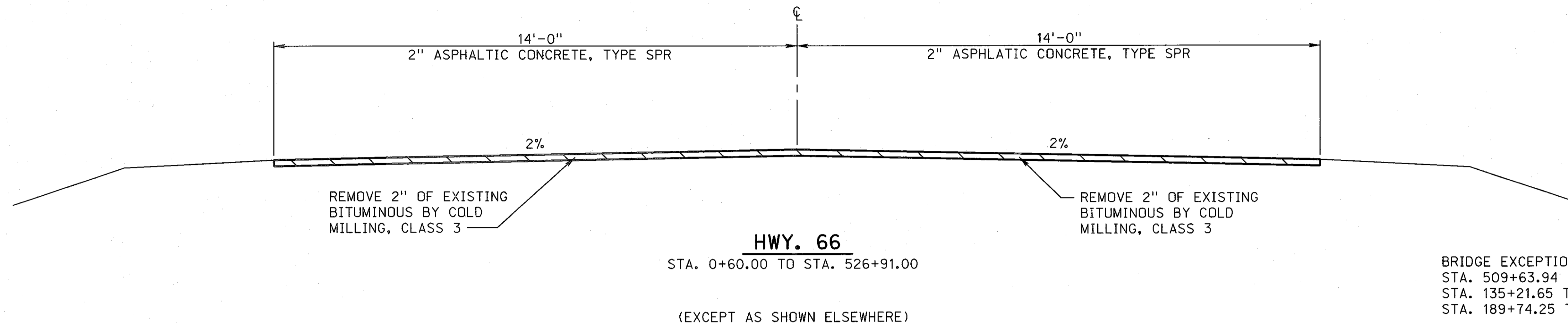
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CONSTRUCTION DIVISION

TYPICAL CROSS SECTIONS

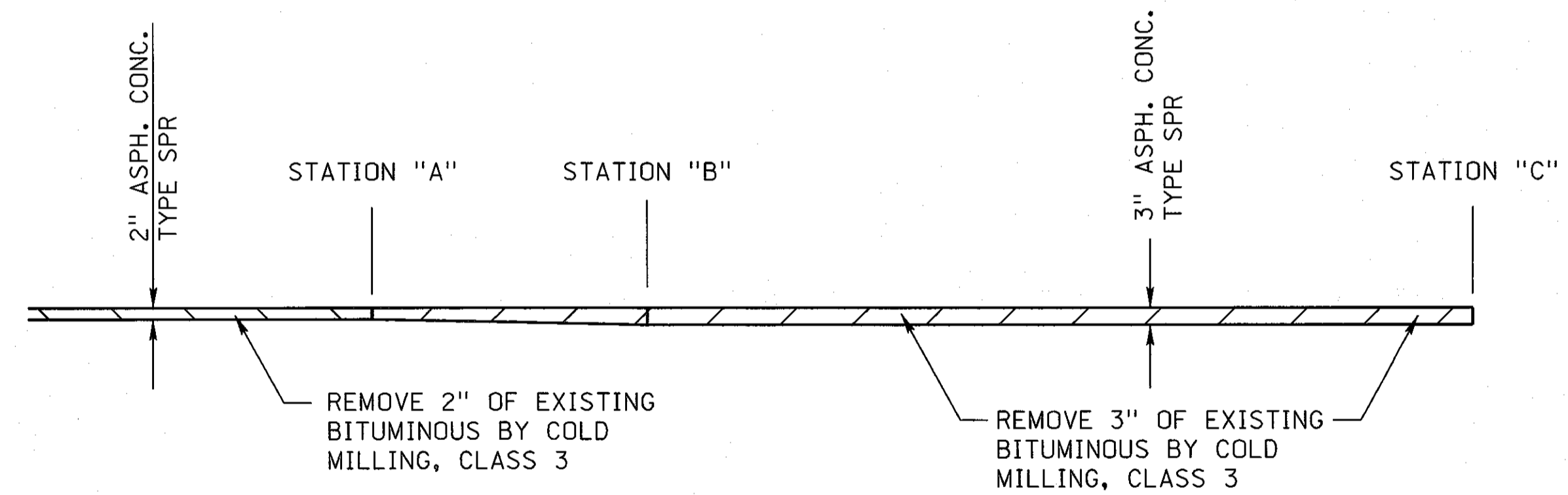
PROJECT NO.	SHEET NO.
66-6(105)	2-T

C.N. 13018



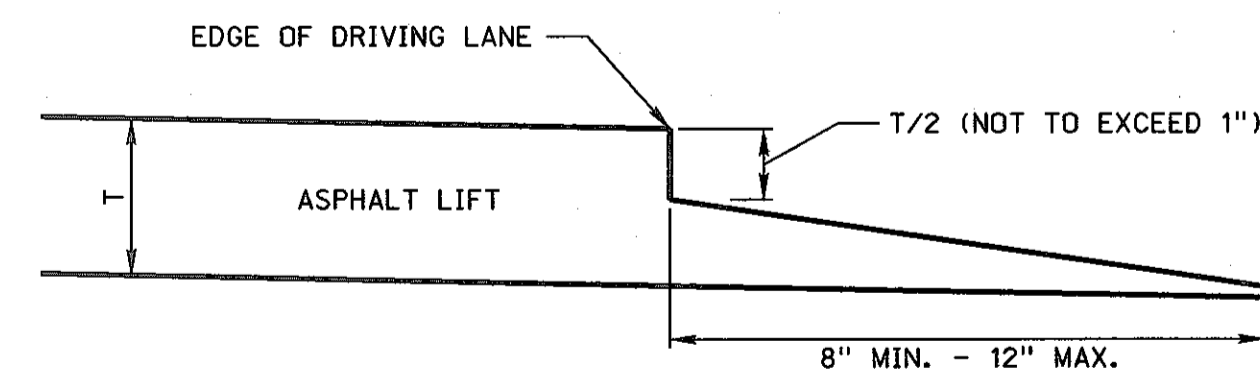
RIGHT TURN LANE

STATION TO	STATION	W
25+48.37	- 26+36.34	0' TO 12'-0"
26+36.34	- 29+47.25	12'
29+47.25	- 30+98.00	12'-0" TO 0'



TRANSITION DETAIL

STATION "A"	STATION "B"	STATION "C"
508+30.94	508+63.94	509+63.94
513+89.06	513+56.06	512+56.06



NOTCHED WEDGE JOINT
(CONSTRUCTION DETAIL)



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SUMMARY OF QUANTITIES

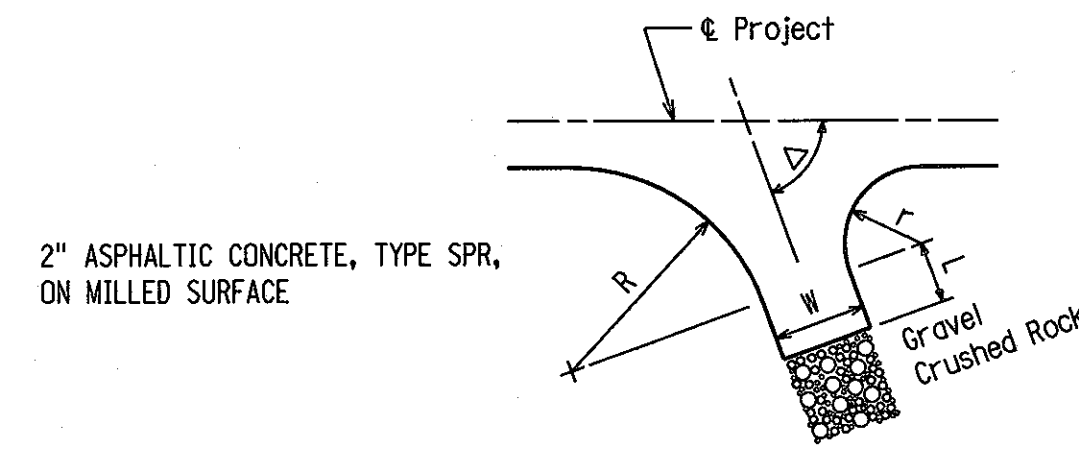
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66-6(105)	2-5

C.N. 13018

BITUMINOUS SURFACING ITEMS GROUP 9

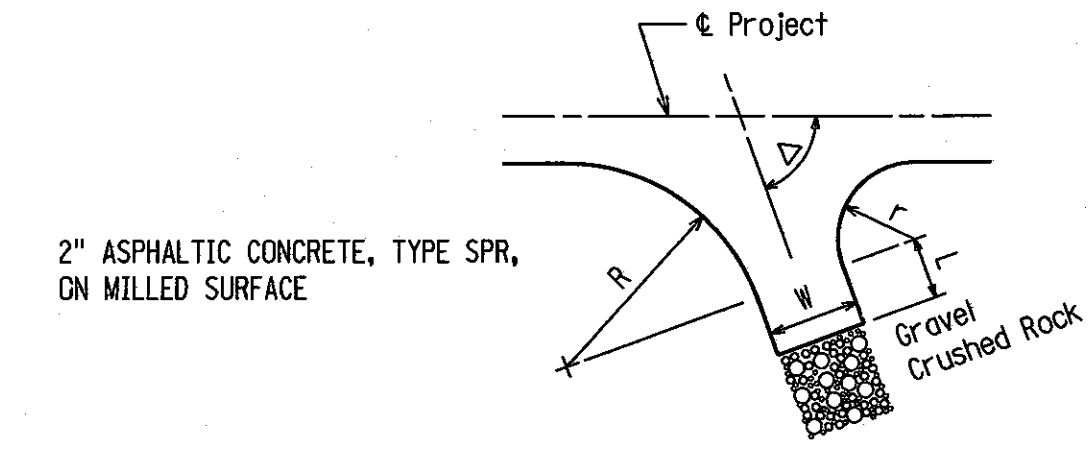
ITEM	QUANTITY	UNITS
BARRICADE, TYPE II	7,875.000	BDAY
BARRICADE, TYPE III	276.000	BDAY
TEMPORARY SIGN DAY	490.000	EACH
SIGN DAY	5,796.000	EACH
OVERLAY BROKEN LINES	1,038.000	STA
OVERLAY SOLID LINES	2,076.000	STA
FLAGGING	70.000	DAY
FURNISHING AND OPERATING PILOT VEHICLE	35.000	DAY
MOBILIZATION	1.000	LS
24" WHITE PREFORMED PAVEMENT MARKING	72.000	LF
RAILROAD CROSSING SYMBOL PREFORMED PAVEMENT MARKING	2.000	EACH
HYDRATED LIME/WARM MIX ASPHALT	18,740.000	EACH
ASPHALTIC CONCRETE, TYPE SPR	18,490.000	TON
PLACEMENT OF ASPHALTIC CONCRETE FOR DRIVEWAYS AND INTERSECTIONS	7,370.000	SY
ASPHALTIC CONCRETE FOR PATCHING, TYPE SPR	250.000	TON
PERFORMANCE GRADED BINDER (64-34)	637.160	TON
TACK COAT	25,480.000	GAL
RENTAL OF LOADER, FULLY OPERATED	50.000	HOURLY
RENTAL OF MOTOR GRADER, FULLY OPERATED	50.000	HOURLY
RENTAL OF DUMP TRUCK, FULLY OPERATED	50.000	HOURLY
RENTAL OF SKID LOADER, FULLY OPERATED	50.000	HOURLY
COLD MILLING, CLASS 3	520.922	STA
COLD MILLING, CLASS 5	7,370.000	SY
RAP INCENTIVE PAYMENT	31,858.000	EACH
ASPHALT PAVEMENT SMOOTHNESS TESTING I/D	1.000	LS
ENVIRONMENTAL COMMITMENTS - CONTRACTOR COMPLIANCE	1.000	LS

SUMMARY OF QUANTITIES AND LOCATION OF SURFACED INTERSECTIONS



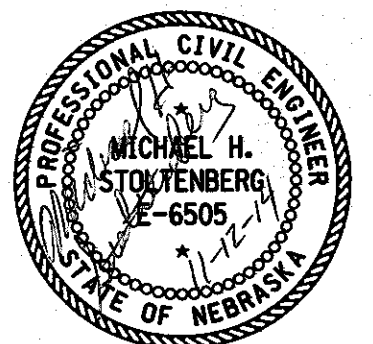
STATION	SIDE	RETURN RADIUS		WIDTH	LENGTH	INTERSECTION ANGLE	PLACEMENT	ASPHALTIC CONCRETE	2" COLD MILLING, CLASS 5
		R (ft)	r (ft)						
26+70	RT	50	50	24		90	253	28	253
26+98	LT	50	50	24		90	253	28	253
105+92	LT	50	50	24		90	253	28	253
105+92	RT	50	50	24		90	253	28	253
158+92	LT	50	50	24		90	253	28	253
211+52	LT	50	50	24		90	253	28	253
211+52	RT	50	50	24		90	253	28	253
264+27	LT	50	50	24		90	253	28	253
264+27	RT	50	50	24		90	253	28	253
370+44	LT	50	50	24		90	253	28	253
370+44	RT	50	50	24		90	253	28	253
423+35	LT	50	50	24		90	253	28	253
423+35	RT	50	50	24		90	253	28	253
476+17	LT	50	50	24		90	253	28	253
502+65	LT	50	50	24		90	253	28	253
502+65	RT	50	50	24		90	253	28	253
520+05	LT	50	50	24		90	253	28	253

SUMMARY OF QUANTITIES AND LOCATION OF SURFACED DRIVEWAYS



STATION	SIDE	RETURN RADIUS		WIDTH	LENGTH	INTERSECTION ANGLE	PLACEMENT	ASPHALTIC CONCRETE	2" COLD MILLING, CLASS 5
		R (ft)	r (ft)						
40+65	LT	25	25	25		90	99	11	99
62+50	RT	25	25	25		90	99	11	99
97+58	RT	25	25	25		90	99	11	99
124+10	RT	25	25	25		90	99	11	99
146+42	LT	25	25	25		90	99	11	99
167+90	LT	25	25	25		90	99	11	99
169+60	RT	25	25	25		90	99	11	99
187+44	LT	25	25	25		90	99	11	99
214+35	LT	25	25	25		90	99	11	99
215+53	RT	25	25	25		90	99	11	99
251+90	LT	25	25	25		90	99	11	99
253+48	LT	25	25	25		90	99	11	99
255+95	RT	25	25	25		90	99	11	99
258+97	RT	25	25	25		90	99	11	99
283+09	RT	25	25	25		90	99	11	99
283+86	RT	25	25	25		90	99	11	99
295+47	RT	25	25	25		90	99	11	99
316+04	LT	25	25	25		90	99	11	99
317+30	LT	25	25	25		90	99	11	99
319+17	RT	25	25	25		90	99	11	99
320+40	RT	25	25	25		90	99	11	99
320+85	LT	25	25	25		90	99	11	99
382+19	LT	25	25	25		90	99	11	99
387+74	RT	25	25	25		90	99	11	99
388+60	LT	25	25	25		90	99	11	99
420+27	RT	25	25	25		90	99	11	99
447+00	LT	25	25	25		90	99	11	99
452+20	LT	25	25	25		90	99	11	99
472+79	RT	25	25	25		90	99	11	99
484+18	LT	25	25	25		90	99	11	99
489+20	LT	25	25	25		90	99	11	99

TYPES OF ASPHALTIC OIL TO BE USED
TACK COAT: SS-1, SS-1H, CSS-1, CSS-1H, CFS-1, FS-1
PERFORMANCE GRADED BINDER
AASHTO DESIGNATION M320

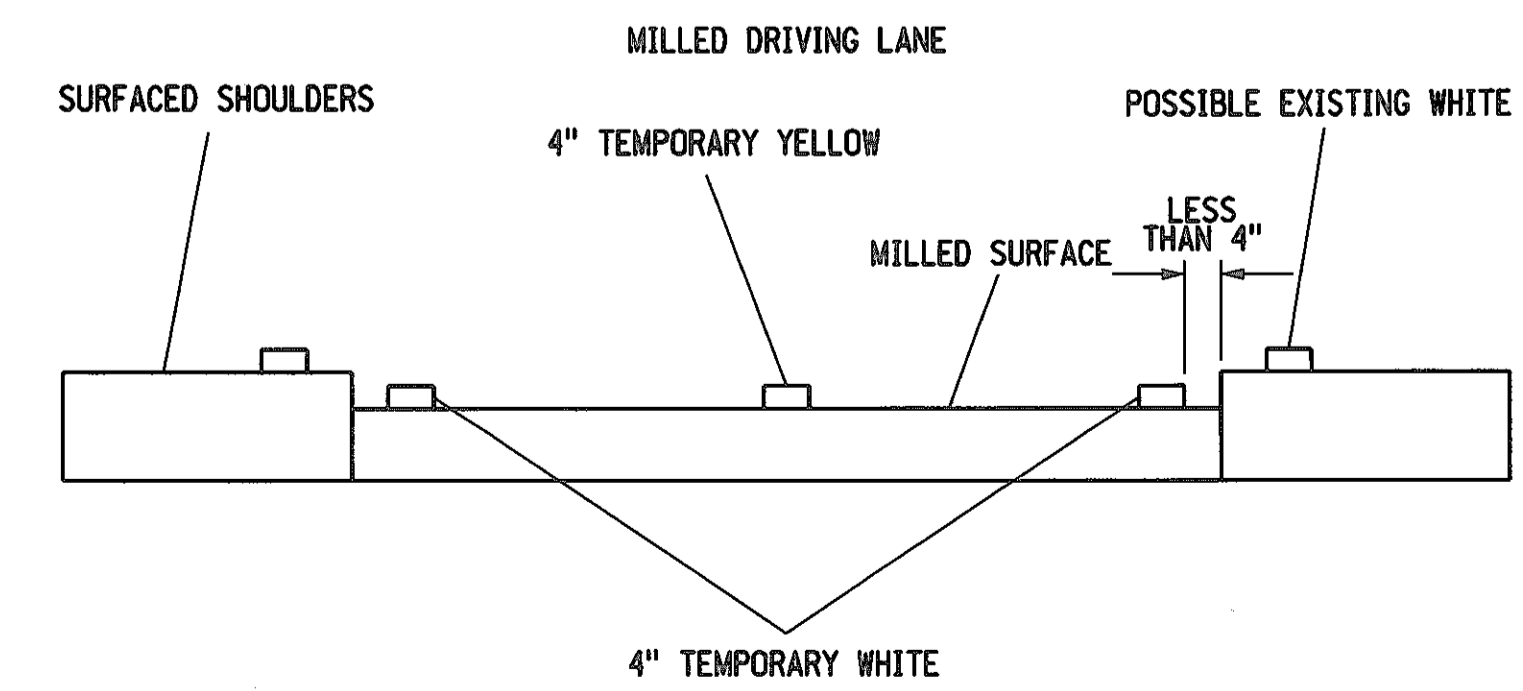
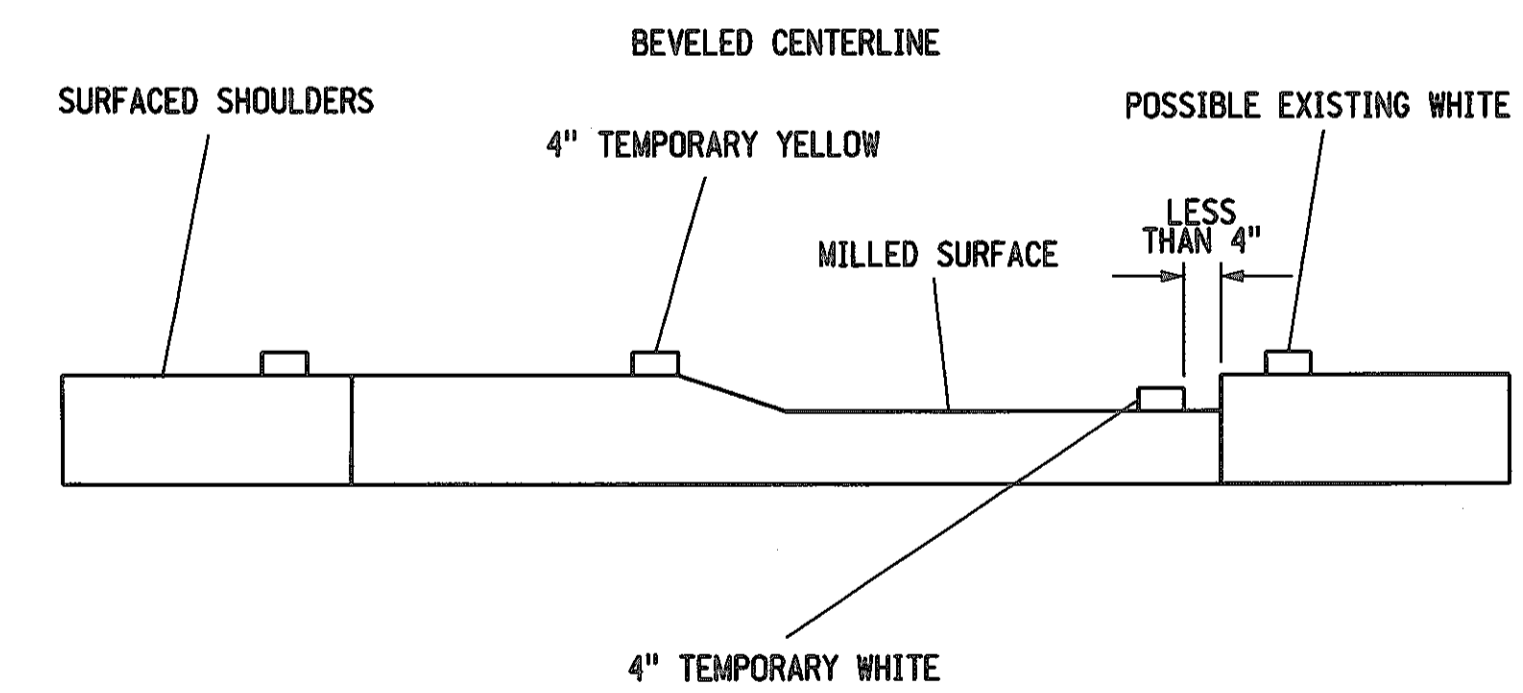
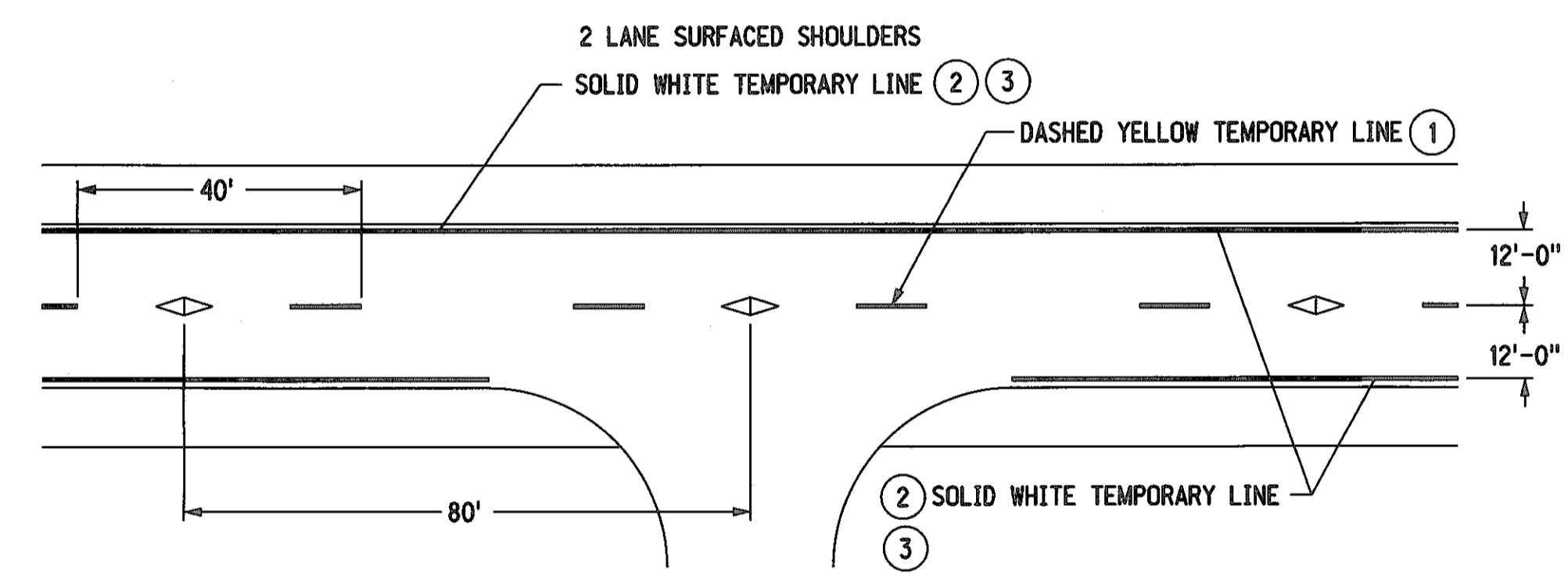
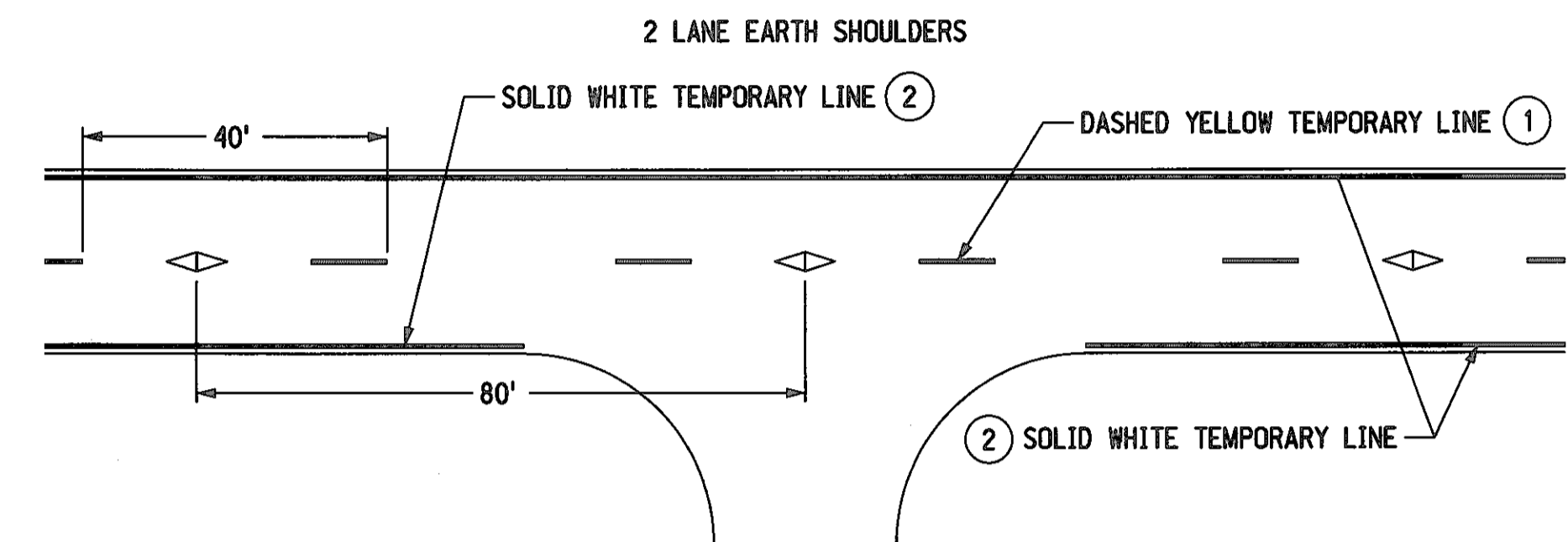
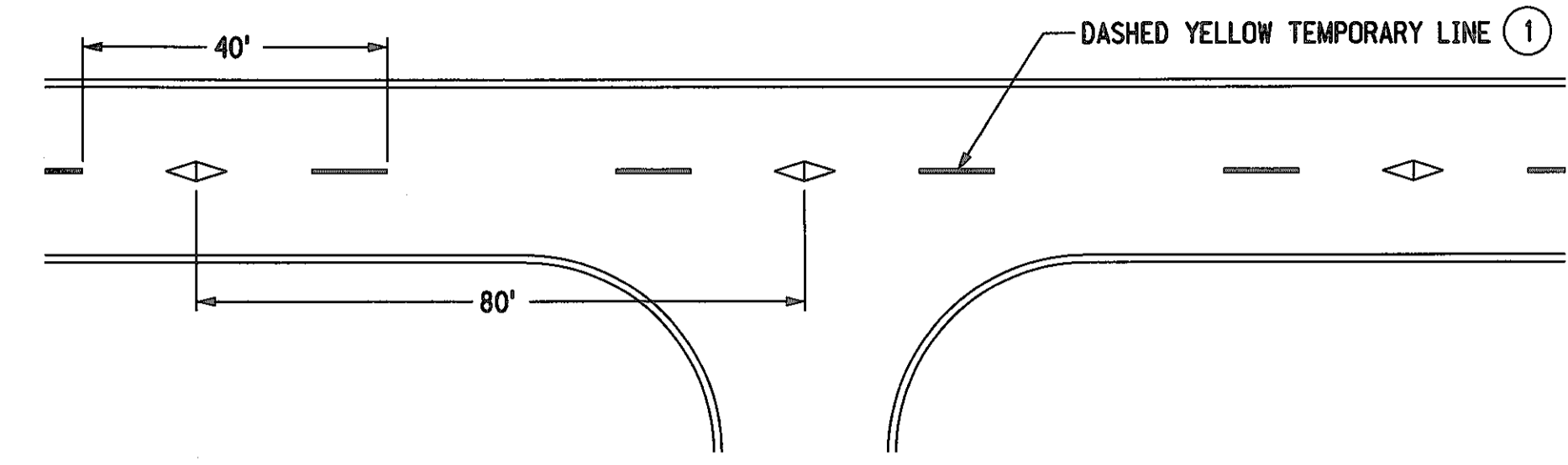


CONSTRUCTION DIVISION

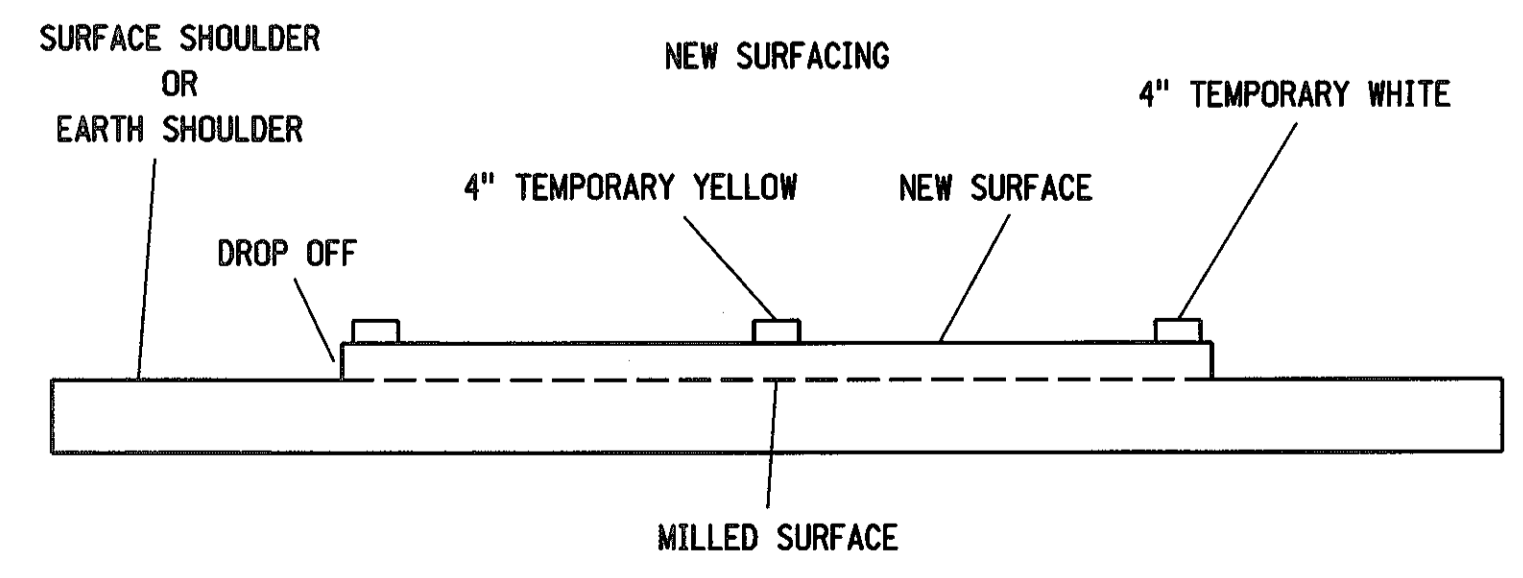
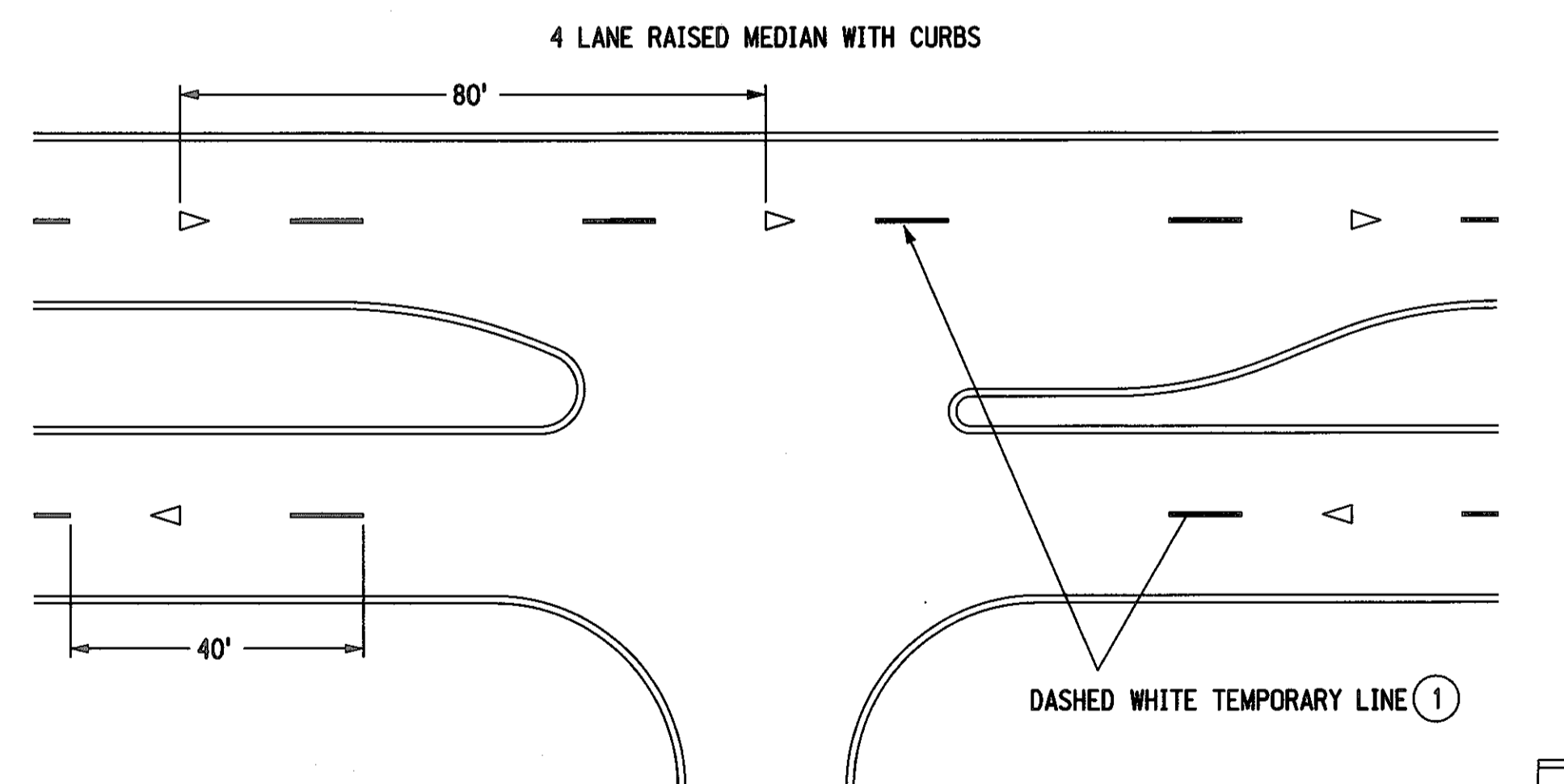
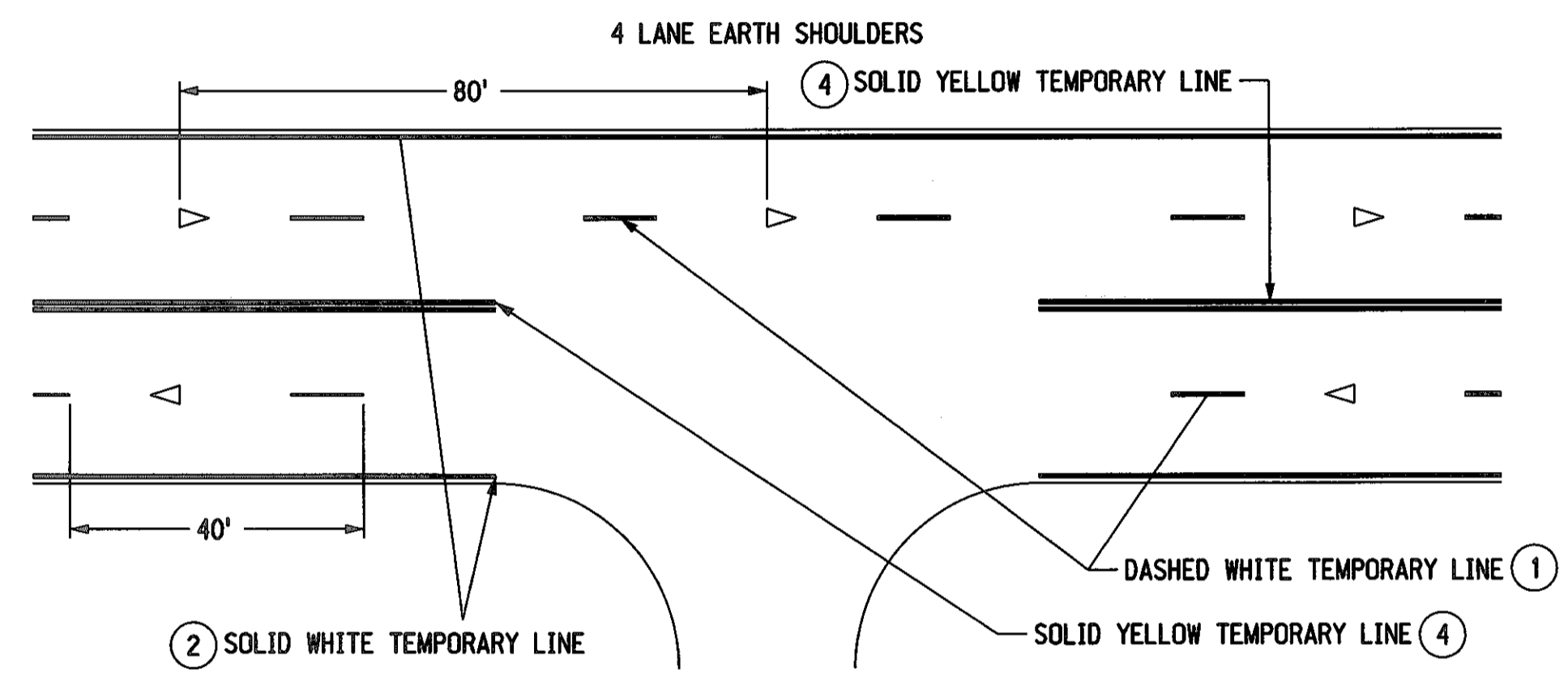
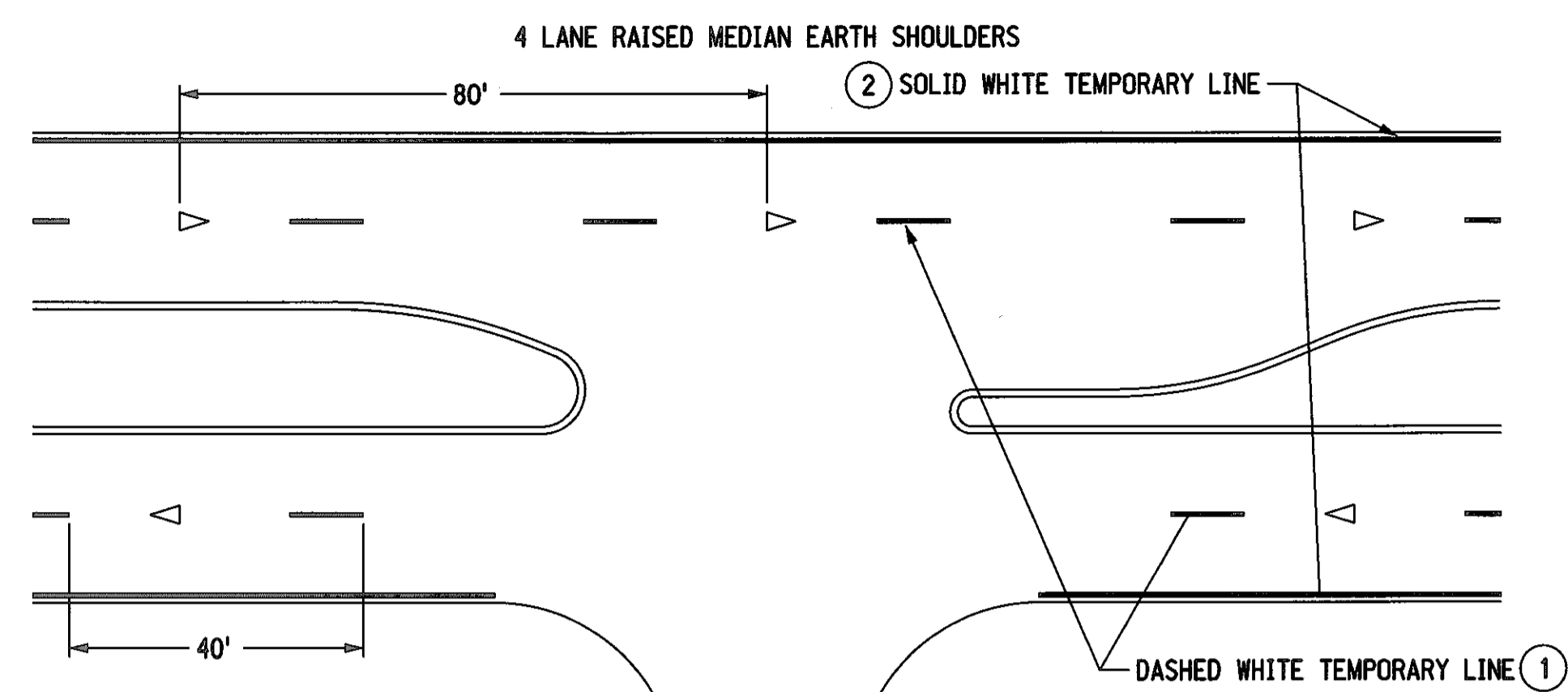
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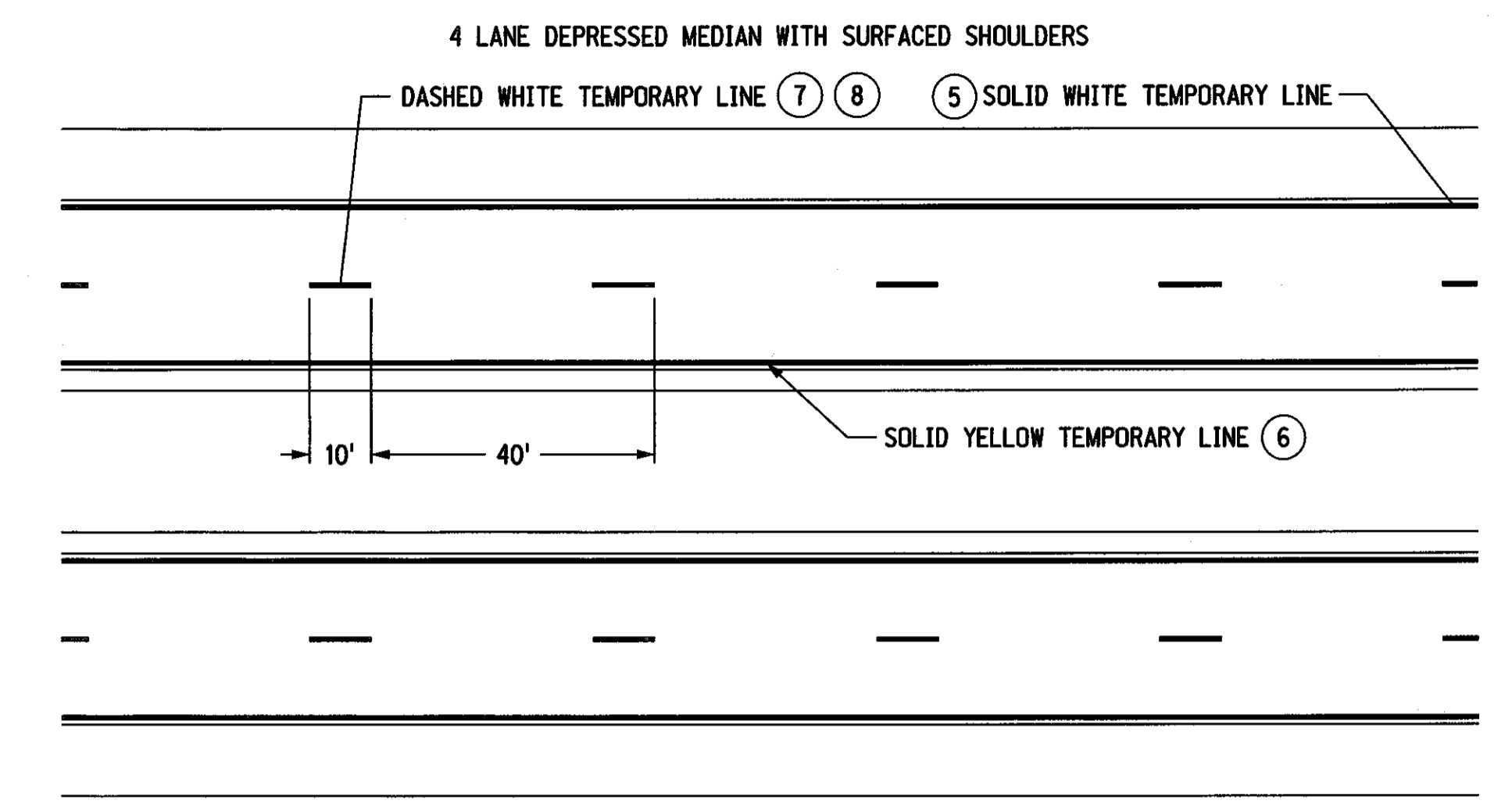
2 LANE ROADWAYS



4 LANE ROADWAYS



FREEWAY/RURAL EXPRESSWAY



NOTES

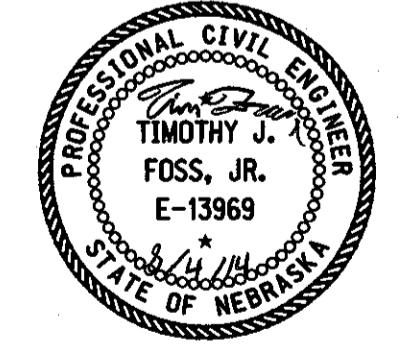
- ① LOWER LAYERS: TEMPORARY DASHED LINE SHALL BE 4" X 10' PAINTED LINE AT 40' INTERVALS OR 4" X 4' TYPE I TAPE LINE AT 40' INTERVALS. TAPE OR PAINT WILL BE SUPPLEMENTED WITH AN OVERLAY MARKER EVERY 80 FEET.
 - OVERLAY MARKERS ARE NOT REQUIRED ON MILLED SURFACES, HYDRATED LIME SURFACES AND STABILIZED SURFACES.
- TOP LAYER: BROKEN LINE MARKINGS
 - INSTALL 4" X 4' TAPE AT 40' INTERVALS SUPPLEMENTED WITH AN OVERLAY MARKER EVERY 80 FEET.
 - OR USE NO TAPE, BUT INSTALL 2 RAISED PAVEMENT MARKERS SPACED 5' APART AT 40' INTERVALS.
- SOLID LINE MARKINGS
 - 4" WIDE PAINTED LINE OR PAVEMENT MARKING TAPE. RAISED PAVEMENT MARKERS MAY BE USED IN LIEU OF PAINT OR TAPE, INSTALLED AT 10' INTERVALS.
- ARMOR COATS
FOG SEALS: 2 OVERLAY MARKERS 5' APART, PER 40 FOOT CYCLE (NO PAINT OR TAPE).
- ② TEMPORARY SOLID LINE SHALL BE 4" WIDE PAINTED LINE.
- ③ EDGE LINE SHALL BE PLACED SO THAT THE OUTSIDE EDGE OF PAINT IS THE REQUIRED DISTANCE FROM CENTERLINE ON THE TOP LIFT
- ④ TEMPORARY CENTERLINE SHALL BE TWO 4" PAINTED LINES SPACED 4" APART, CENTERED ABOUT THE JOINT LINE.
- ⑤ EDGELINE SHALL BE 4" PAINTED LINE. PLACED TO THE LEFT OF JOINT LINE.
- ⑥ ALL LAYERS: EDGELINE SHALL BE PLACED 12'-0" FROM THE CENTER JOINT LINE. (RIGHT OF SHOULDER JOINT LINE WHEN APPLICABLE)
- ⑦ MILLED SURFACE OR LOWER LIFTS: THE TEMPORARY WHITE DASH LINE SHALL BE 4" X 10' MINIMUM PAINTED LINE AT 40' INTERVALS, PLACED TO THE LEFT OF THE JOINT LINE.
- ⑧ TOP LIFT: THE TEMPORARY WHITE DASH LINE SHALL BE 4" IN WIDTH X MINIMUM 8' TO MAXIMUM 10' LENGTH, PLACED 2" TO THE LEFT OF THE JOINT LINE. THE INTERVAL (CYCLE) SHALL BE 40' ± 2" TO ALLOW FOR THE PERMANENT PAVEMENT MARKING.
- ⑨ ALL TEMPORARY PAVEMENT MARKING THAT WILL BE COVERED BY PERMANENT PAVEMENT MARKING SHALL COMPLY WITH THE ALIGNMENT AND LOCATION REQUIREMENTS OF THE FINAL PAVEMENT MARKING MATERIAL. TEMPORARY PAVEMENT MARKINGS THAT ARE NOT COVERED BY THE PERMANENT MARKINGS SHALL BE REMOVED AT THE CONTRACTOR'S EXPENSE.

2 LANE ROADWAY REQUIRED LOCATION FOR PAINTED LINES, IF USED ON THE TOP LAYER		
ROADWAY WIDTH	SHOULDER TYPE	DISTANCE FROM $\frac{1}{2}$ OF ROADWAY TO OUTSIDE EDGE OF PAVEMENT
LESS THAN 24'	SURFACED	EDGE OF LANE
LESS THAN 24'	EARTH	PAVEMENT EDGE
24'	EARTH	PAVEMENT EDGE
24'	SURFACED	12'-0" *
24' TO 28'	EARTH	12'-0" *

* SEE NOTE 3
CENTERLINE MARKING SHALL BE PLACED ON THE "SOUTH" SIDE OF THE CENTER JOINT ON EAST-WEST ROADS AND ON THE "EAST" SIDE OF THE CENTER JOINT ON NORTH-SOUTH ROADS

LEGEND

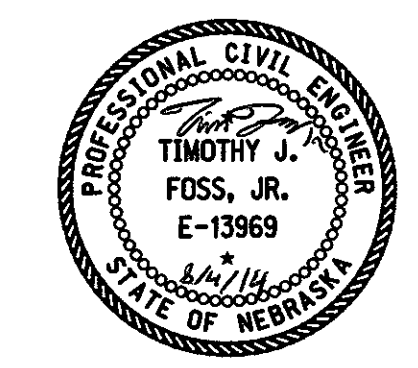
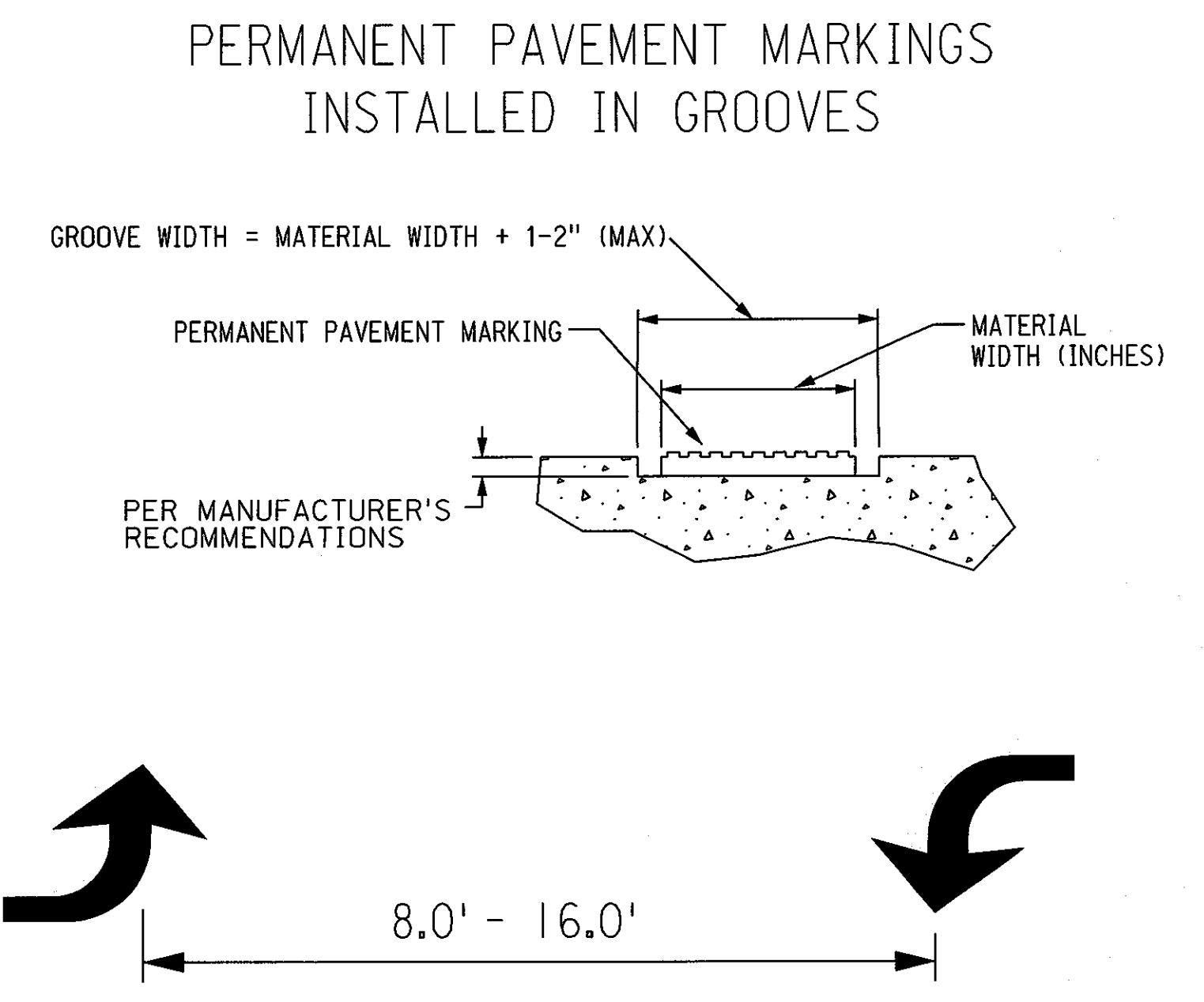
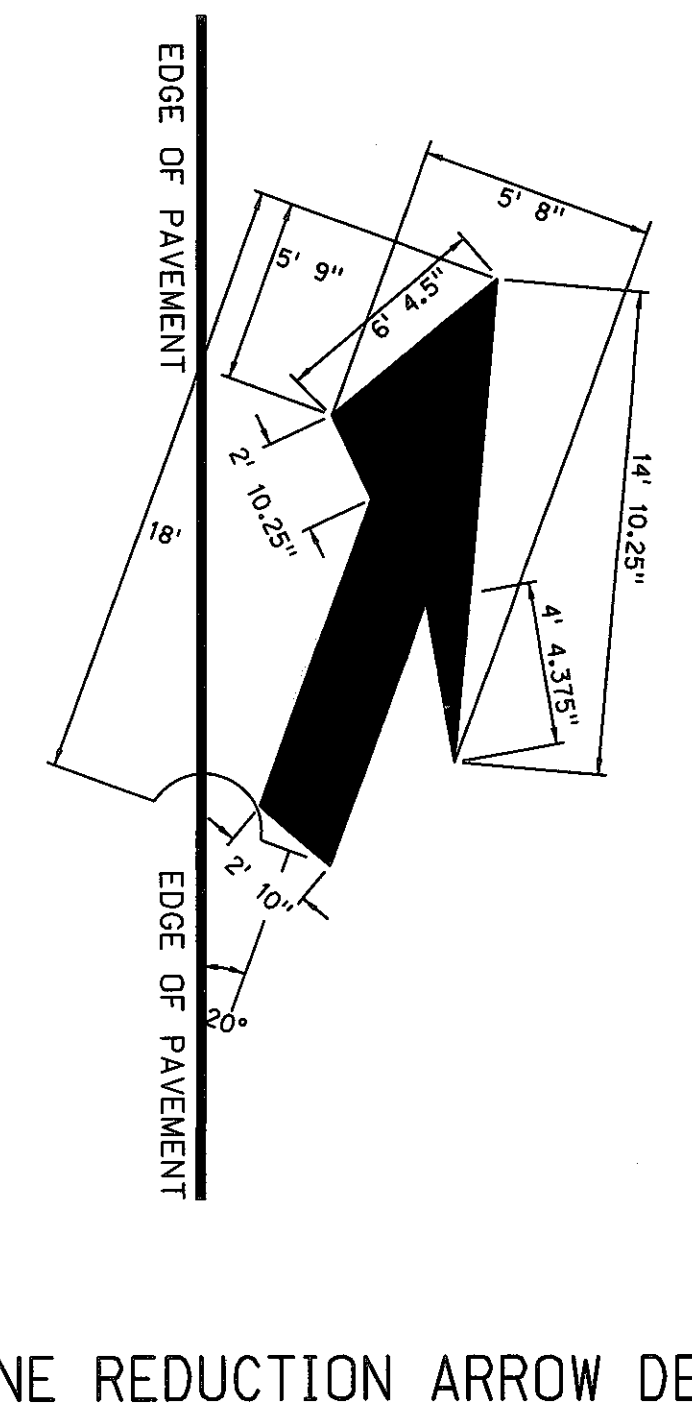
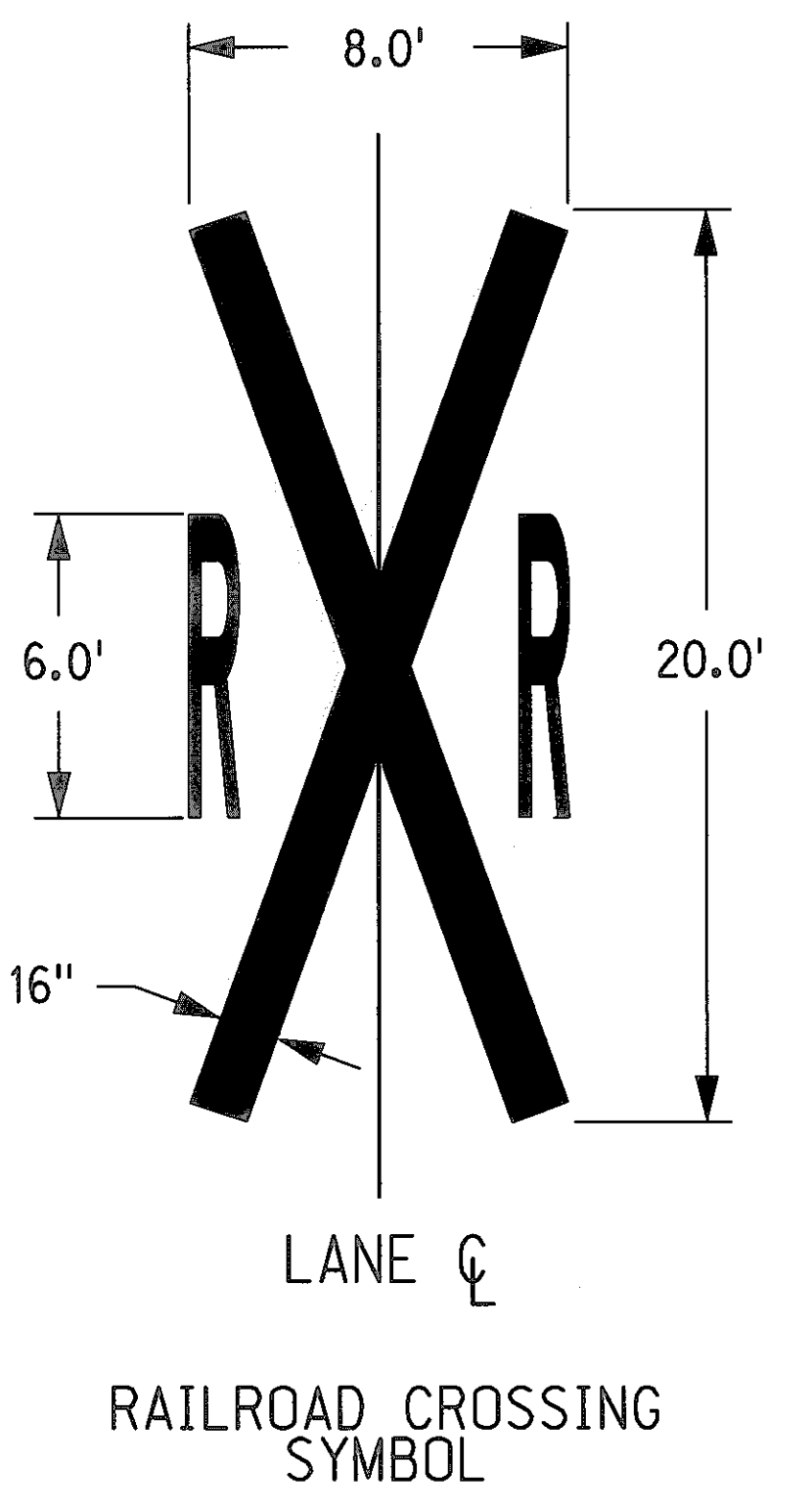
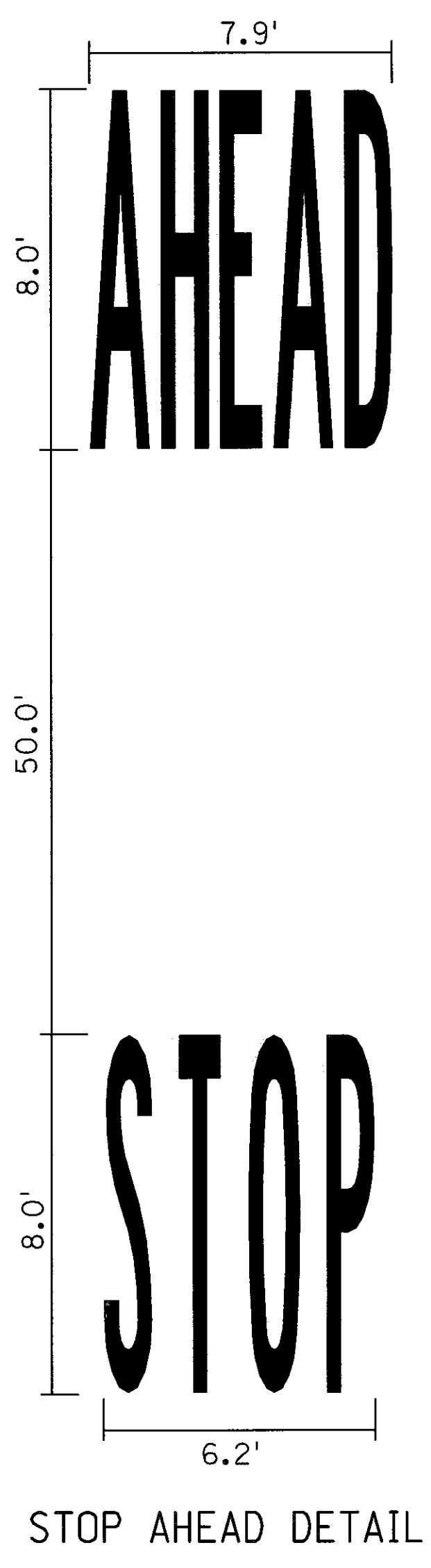
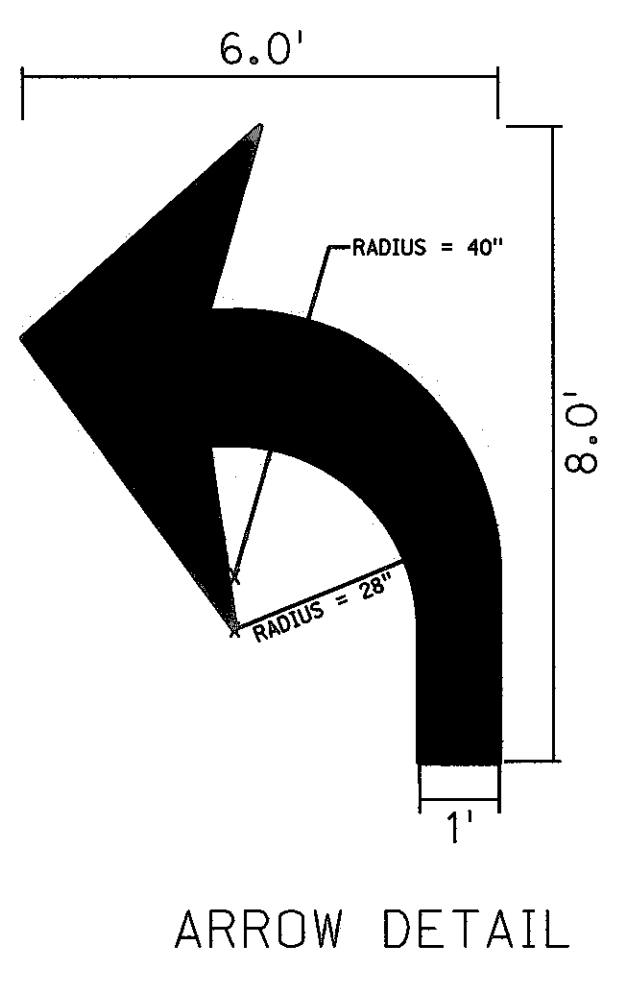
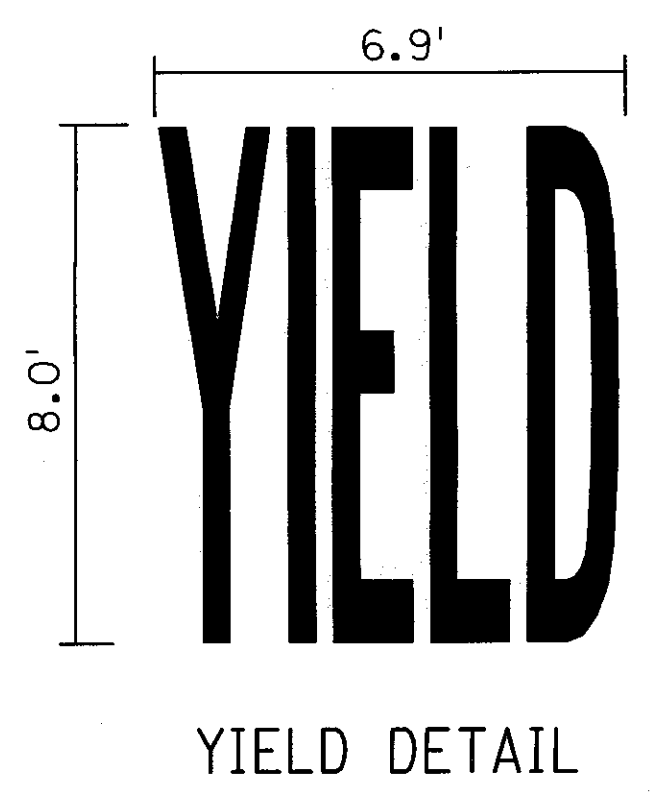
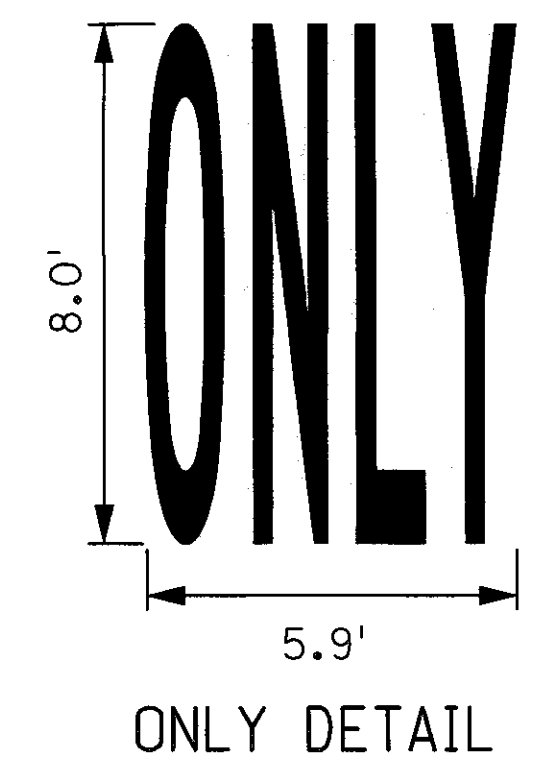
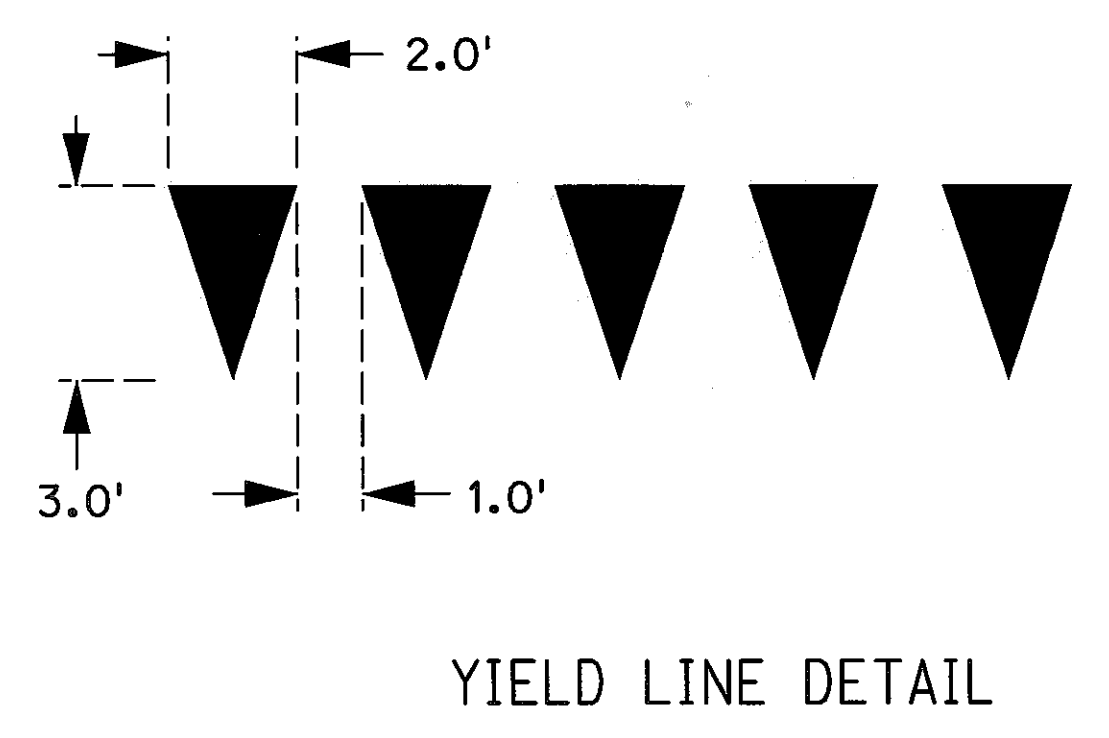
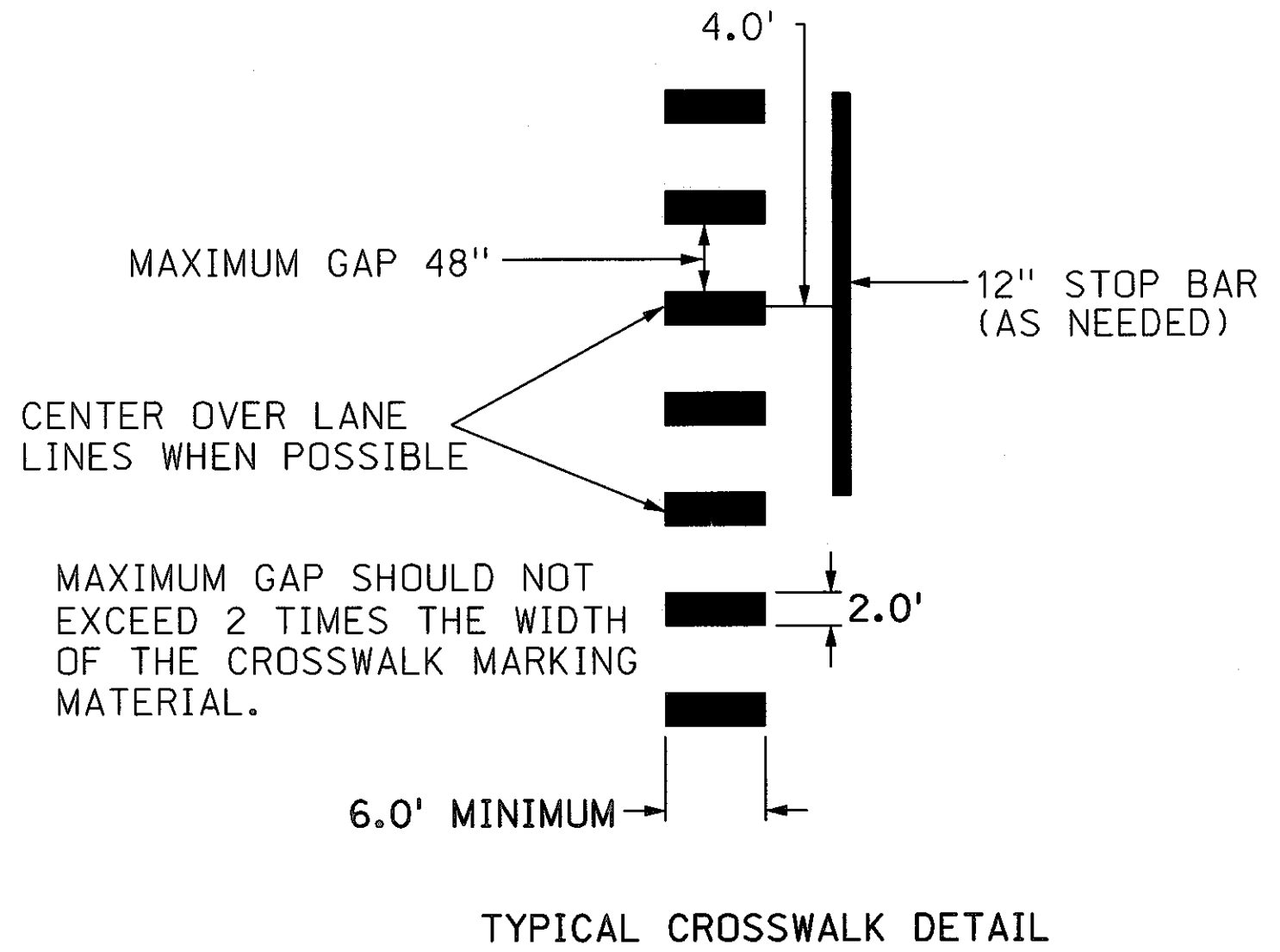
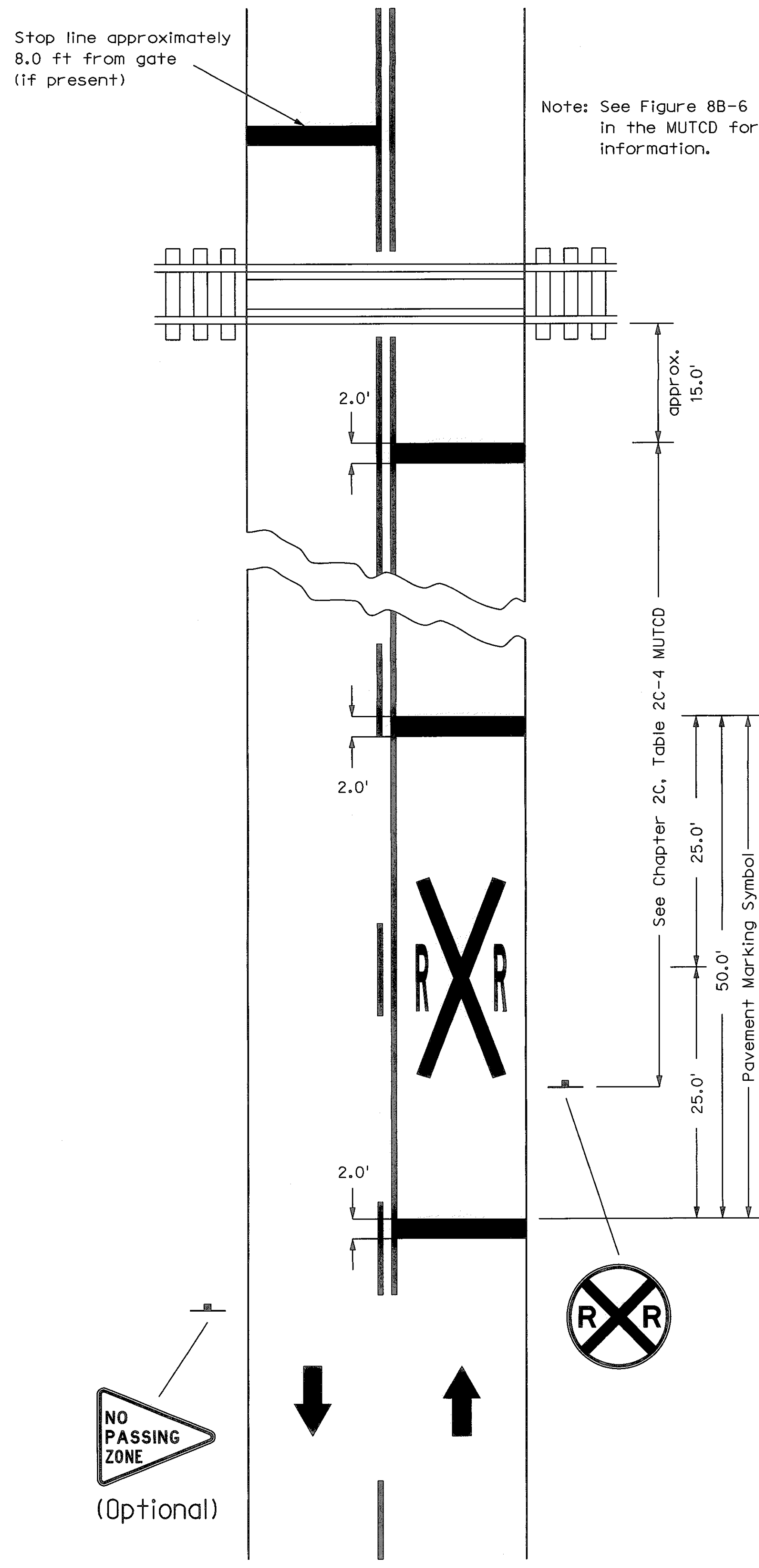
- △ OVERLAY MARKER
- ◁ BIDIRECTIONAL OVERLAY MARKER



NEBRASKA DEPARTMENT OF ROADS TRAFFIC ENGINEERING DIVISION

TYPICAL PAVEMENT MARKING		
DESIGNED	DV	TEMPORARY PAVEMENT MARKING PLAN
REVIEWED	MAN	
DATE DRAWN	TRAFFIC ENGINEER	DATE
8/06		

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NEBRASKA DEPARTMENT OF ROADS TRAFFIC ENGINEERING DIVISION			
PAVEMENT MARKING PLAN			
DESIGNED	TJF	PAVEMENT MARKING DETAILS	1/1
REVIEWED			
APPROVED	DATE DRAWN	TRAFFIC ENGINEER	DATE
	12/12		