

PROJECT NO.	SHEET NO.
AFE-C003	1
▲ CONTRACT ID.	M3TLOA
▲ CONTRACT ID.	
■ CONTRACT ID.	

INDEX OF SHEETS

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 - 3 TEMPORARY PAVEMENT MARKING PLAN
 - 4 TYPICAL PAVEMENT MARKING PLAN--COMMON LEFT TURN LANE ARROWS IN NELIGH
 - 5 PAVEMENT MARKING PLAN--PAVEMENT MARKING DETAILS

- STANDARD PLANS
- 920-R5 (2 SHEETS) TRAFFIC CONTROL, CONSTRUCTION AND MAINTENANCE
 - 922-R8 (2 SHEETS) TRAFFIC CONTROL FOR ASPHALT SURFACING
 - 924 (3 SHEETS) TYPICAL URBAN TRAFFIC CONTROL PLAN

**STATE OF NEBRASKA
DEPARTMENT OF ROADS**

PLANS FOR CONSTRUCTION

HWY. 275 - OAKDALE WEST

HWY. 20 - ORCHARD - ROYAL

ANTELOPE COUNTY

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

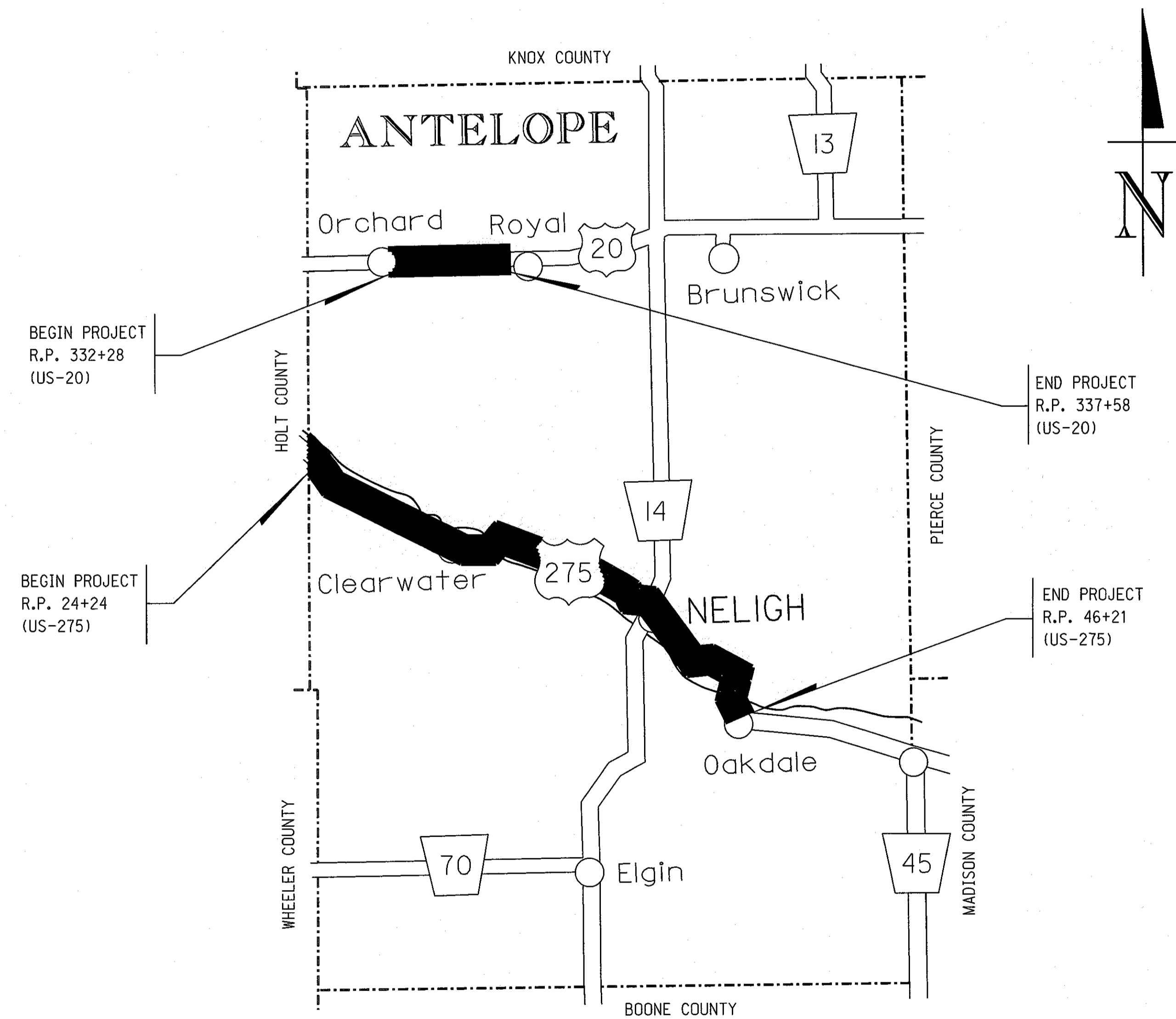
THE WORK ON THIS PROJECT CONSISTS OF GROUPS

9-BITUMINOUS
▲ GROUPS <u>9</u> ARE INCLUDED IN THE LETTING OF <u>FEBRUARY 6, 2014</u>
▲ GROUPS _____ ARE INCLUDED IN THE LETTING OF _____
■ GROUPS _____ ARE INCLUDED IN THE LETTING OF _____

DESIGN DESIGNATION

MAINTENANCE TRAFFIC

	2014 ADT
US-20	1,645
US-275	2,625

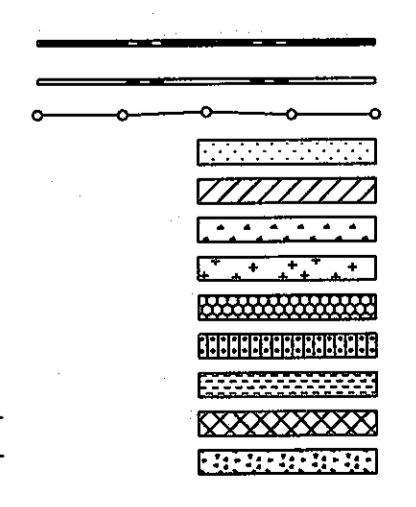


CONVENTIONAL SIGNS

- 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

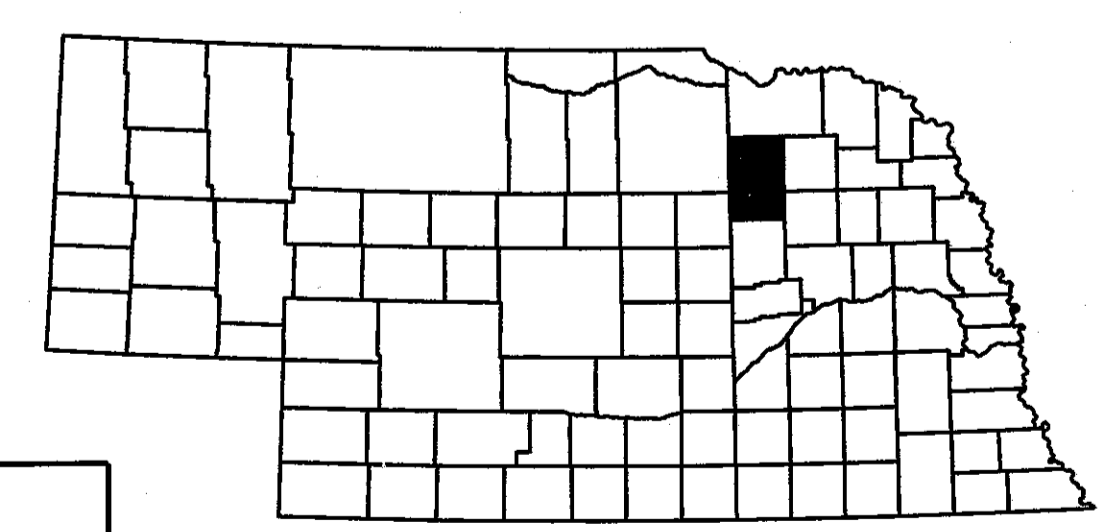
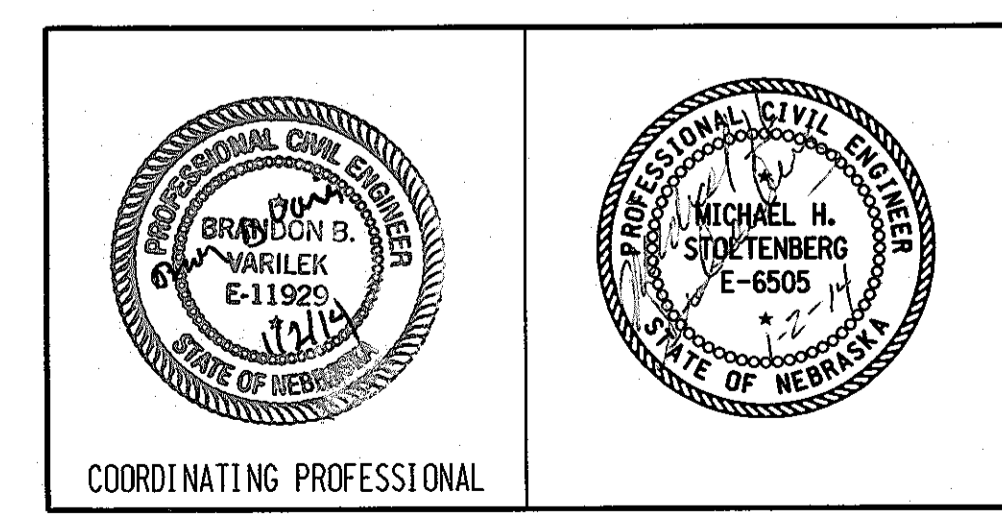


REFERENCE POST NO. 332+28 TO REFERENCE POST NO. 337+58 (US-20)

REFERENCE POST NO. 24+24 TO REFERENCE POST NO. 46+21 (US-275)

EXCEPTION: FROM REF. POST NO. 39+31 TO REF. POST NO. 40+96 (US-275)

TOTAL NET LENGTH OF PROJECT: 135,273.60 FEET 25.620 MILES



CONSTRUCTION DIVISION

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PROJECT NO.	SHEET NO.
AFE-C003	2-5

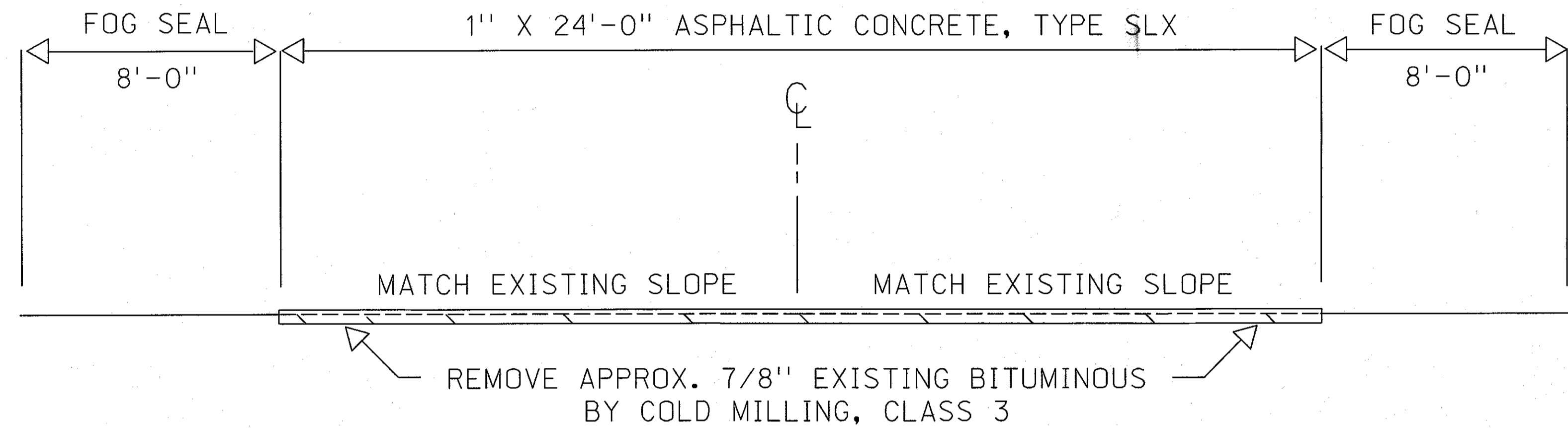
CONTRACT ID. M3TL0A

SUMMARY OF QUANTITIES

TYPICAL CROSS SECTION

BITUMINOUS SURFACING ITEMS GROUP 9

ITEM	QUANTITY	UNITS
BARRICADE, TYPE II	6,600.000	BDAY
BARRICADE, TYPE III	248.000	BDAY
TEMPORARY SIGN DAY	420.000	EACH
SIGN DAY	10,435.000	EACH
OVERLAY BROKEN LINES	2,705.000	STA
OVERLAY SOLID LINES	5,410.000	STA
FLAGGING	60.000	DAY
FURNISHING AND OPERATING PILOT VEHICLE	30.000	DAY
FIELD OFFICE	1.000	EACH
MOBILIZATION	1.000	LS
LEFT ARROW	22.000	EACH
PREFORMED PAVEMENT MARKING		
24" WHITE PREFORMED PAVEMENT MARKING	72.000	LF
HYDRATED LIME/WARM MIX ASPHALT	22,910.000	EACH
ASPHALTIC CONCRETE, TYPE SLX	21,910.000	TON
ASPHALTIC CONCRETE FOR PATCHING, TYPE SLX	1,000.000	TON
PERFORMANCE GRADED BINDER (64-34)	962.220	TON
TACK COAT	58,430.000	GAL
FOG SEAL	24,000.000	GAL
RENTAL OF LOADER, FULLY OPERATED	50.000	HOUR
RENTAL OF MOTOR GRADER, FULLY OPERATED	50.000	HOUR
RENTAL OF DUMP TRUCK, FULLY OPERATED	50.000	HOUR
RENTAL OF SKID LOADER, FULLY OPERATED	50.000	HOUR
COLD MILLING, CLASS 3	1,460.787	STA
RAP INCENTIVE PAYMENT	38,947.000	EACH
ASPHALT PAVEMENT SMOOTHNESS TESTING	1.000	LS



REFERENCE POST TO REFERENCE POST

HWY 20	332+28	-	337+50
HWY 275	24+24	-	39+31
HWY 275	40+96	-	46+21

TYPES OF ASPHALTIC OIL TO BE USED
TACK COAT: SS-1, SS-1H, CSS-1, OR CSS-1H
FOG SEAL: SS-1H, CSS-1H
PERFORMANCE GRADED BINDER
ASHTO DESIGNATION M320



CONSTRUCTION DIVISION

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TRAFFIC ENGINEERING DIVISION

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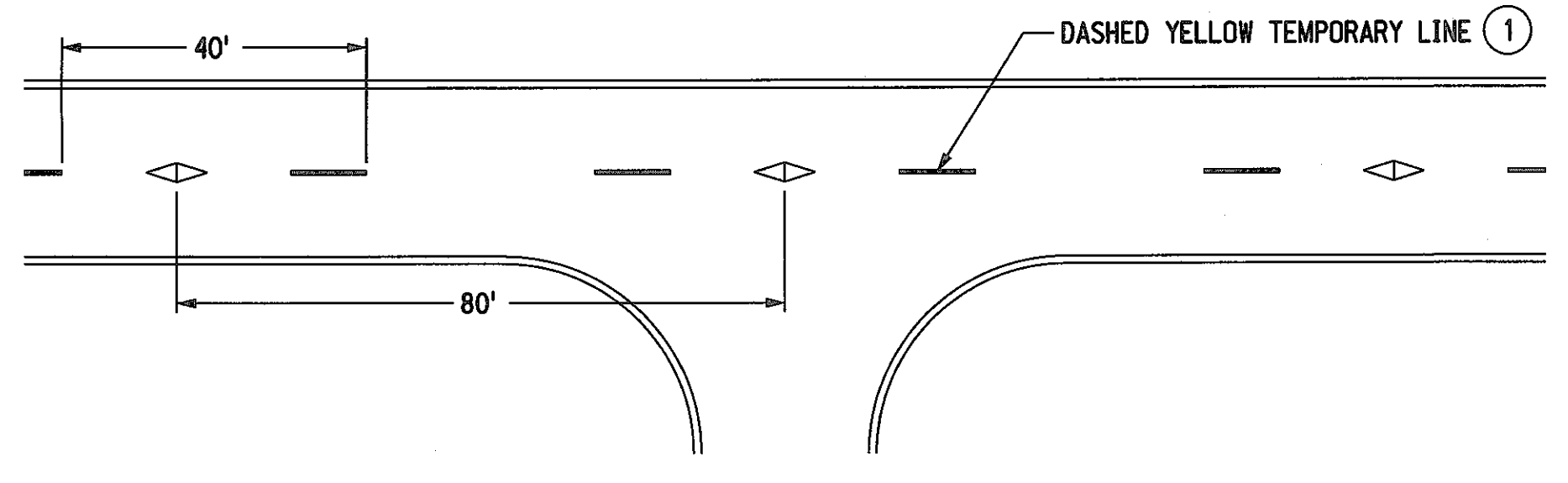
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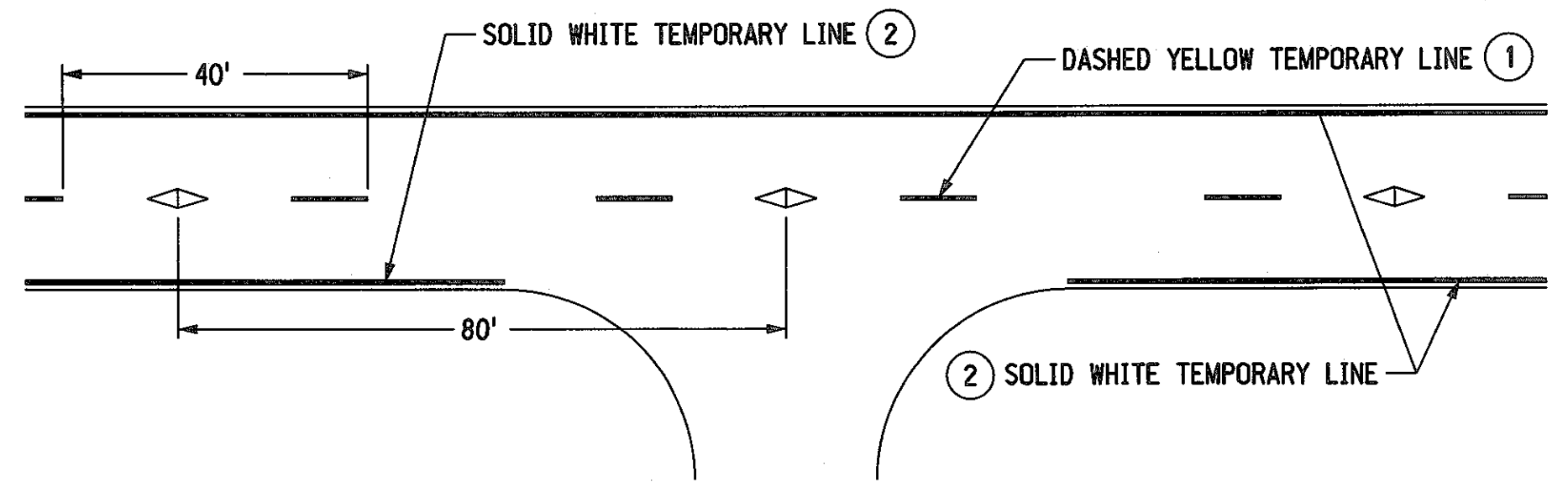
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2 LANE ROADWAYS

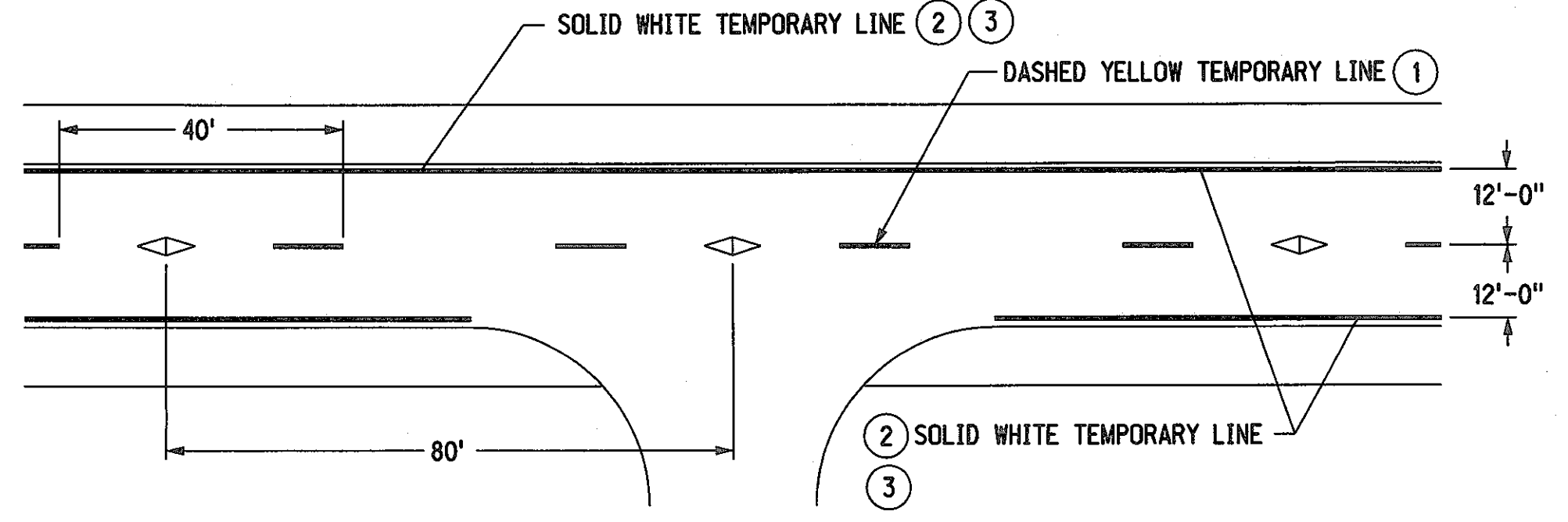
2 LANE WITH CURBS



2 LANE EARTH SHOULDERS

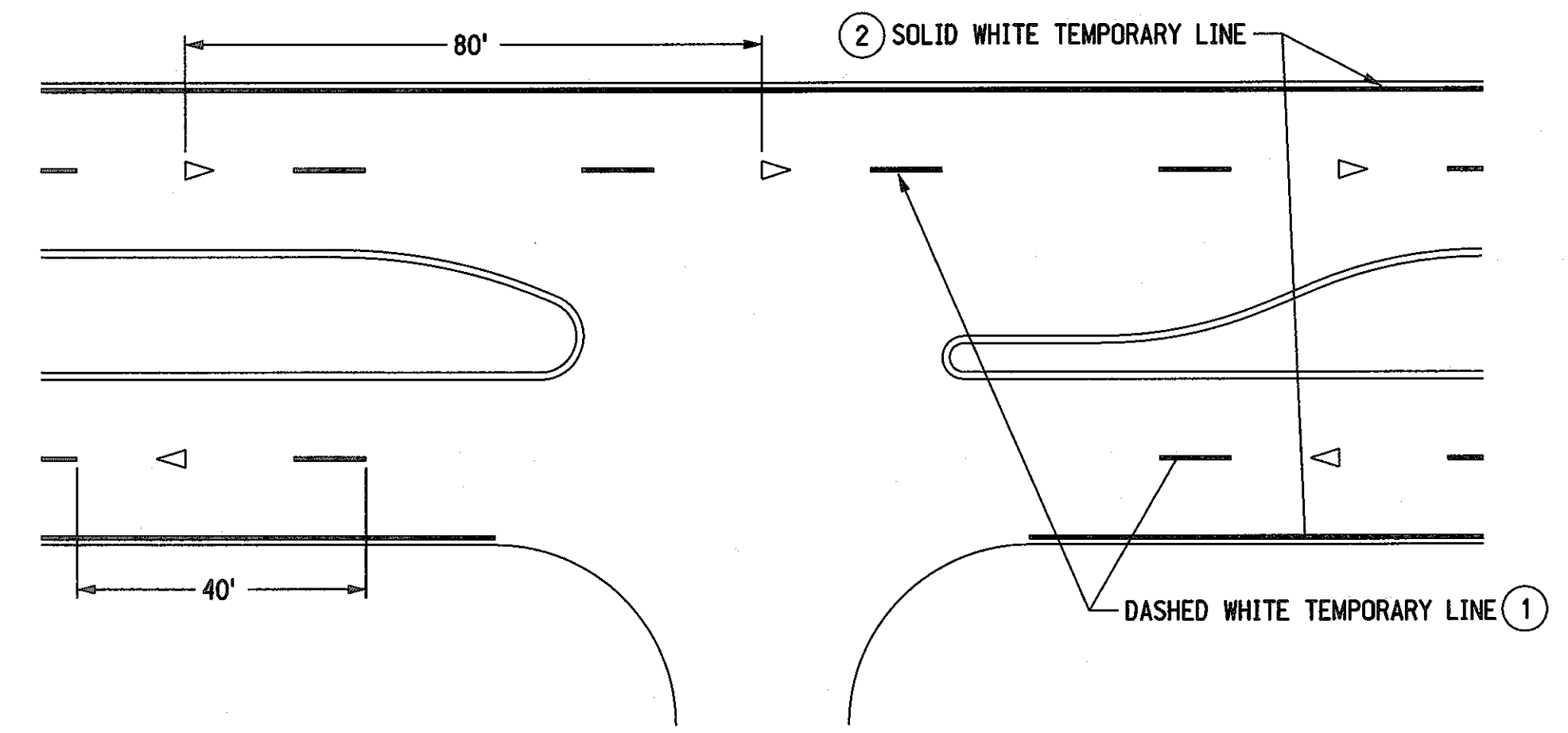


2 LANE SURFACED SHOULDERS

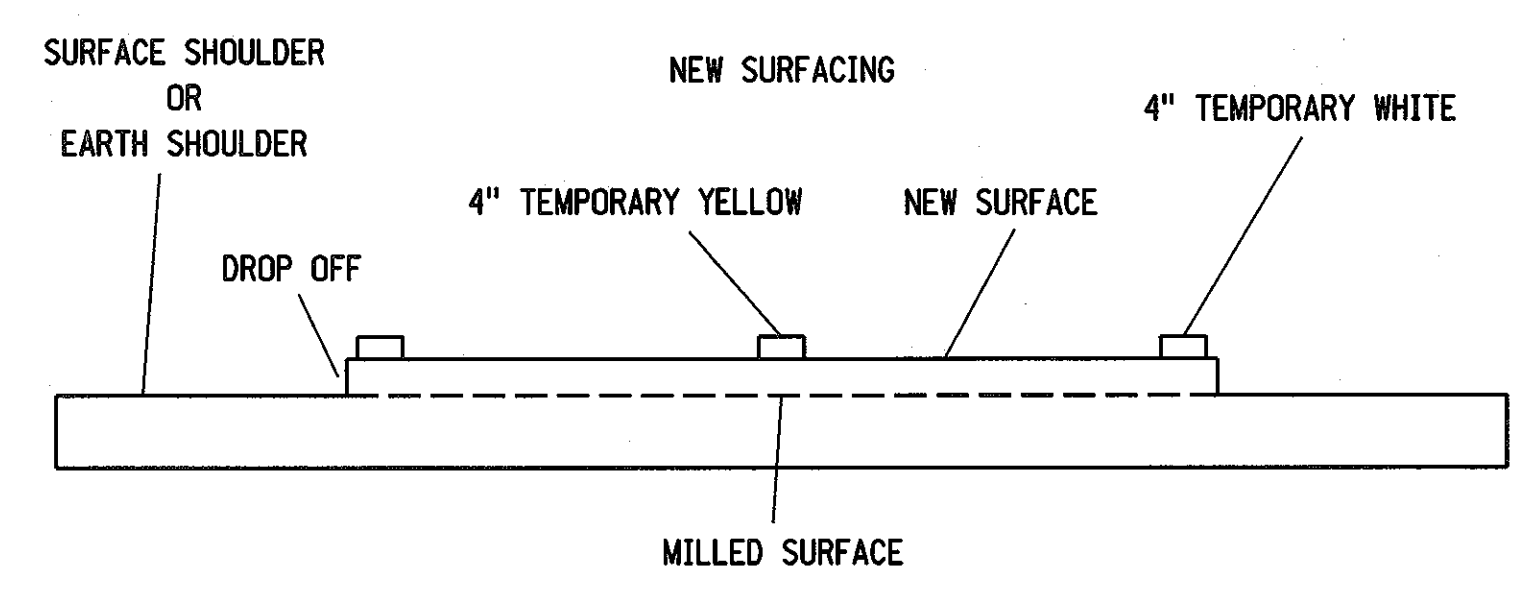
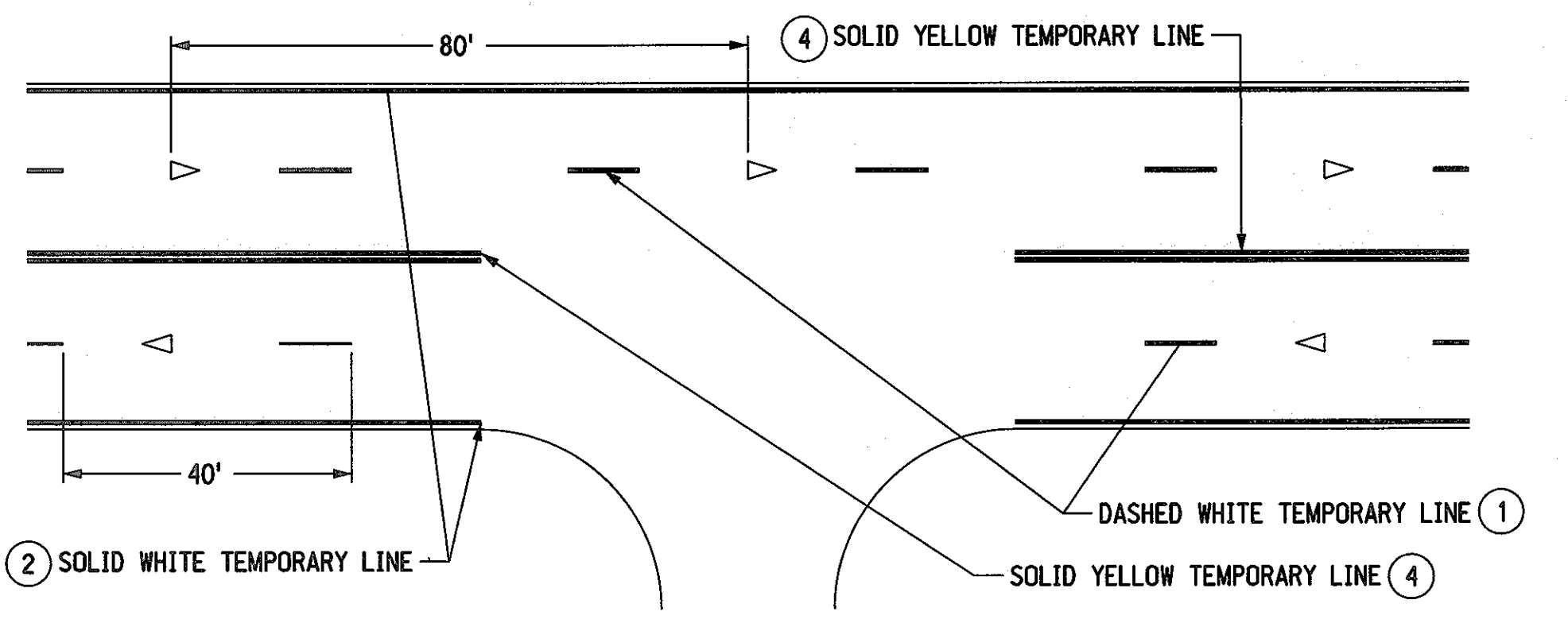


4 LANE ROADWAYS

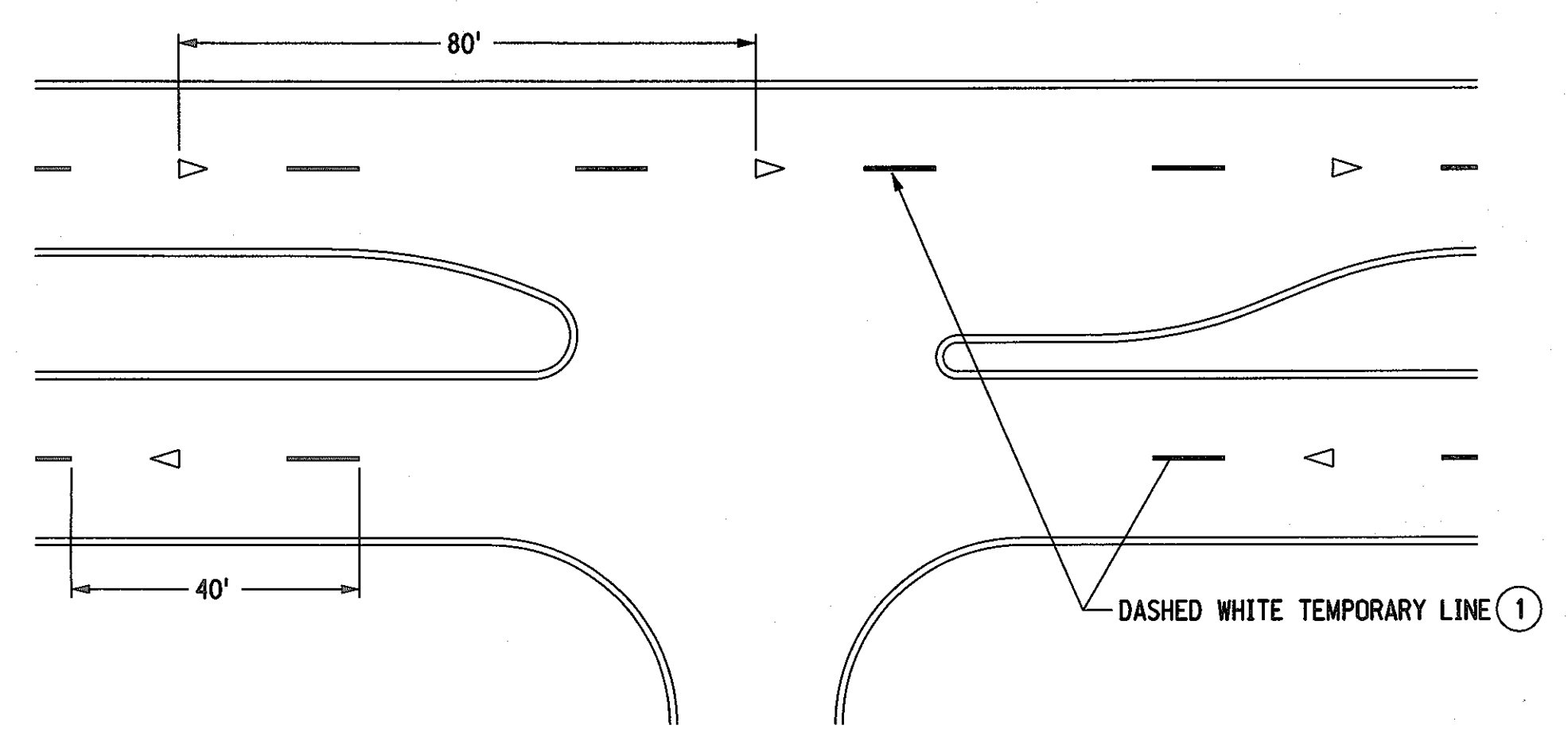
4 LANE RAISED MEDIAN EARTH SHOULDERS



4 LANE EARTH SHOULDERS

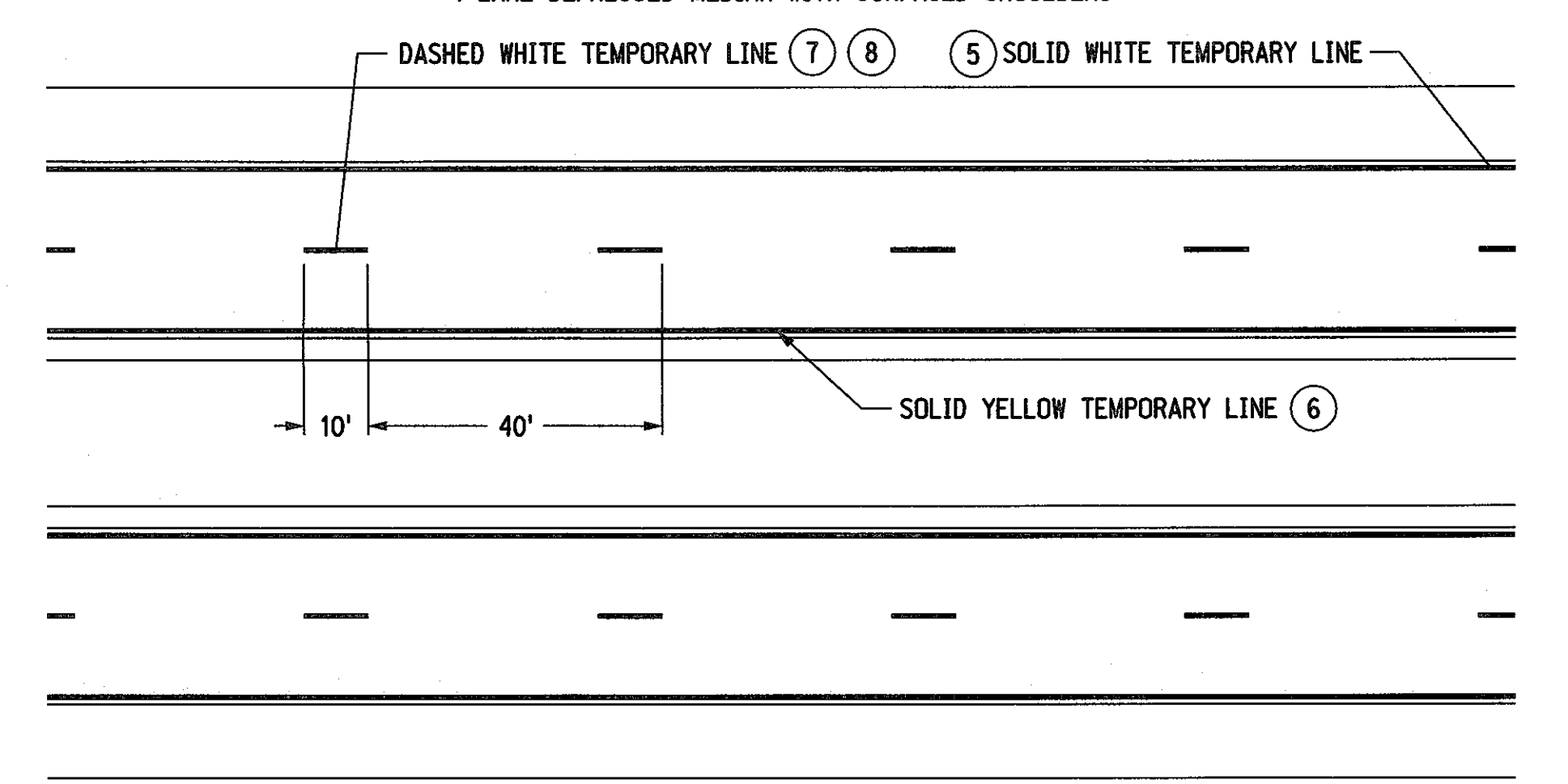


4 LANE RAISED MEDIAN WITH CURBS



FREEWAY/RURAL EXPRESSWAY

4 LANE DEPRESSED MEDIAN WITH SURFACED SHOULDERS



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
FDG 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.

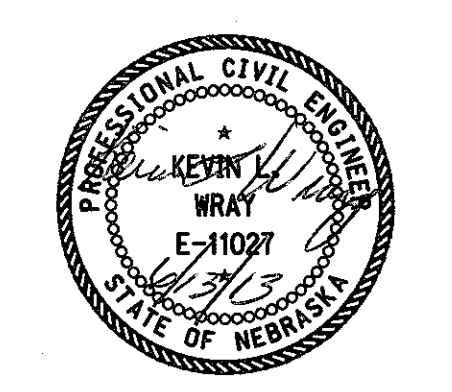
2 LANE ROADWAY REQUIRED LOCATION FOR PAINTED LINES, IF USED ON THE TOP LAYER		
ROADWAY WIDTH	SHOULDER TYPE	DISTANCE FROM $\frac{1}{2}$ OF ROADWAY TO OUTSIDE EDGE OF PAVEMENT
LESS THAN 24'	SURFACED	EDGE OF LANE
LESS THAN 24'	EARTH	PAVEMENT EDGE
24'	EARTH	PAVEMENT EDGE
24'	SURFACED	12'-0" *
24' TO 28'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

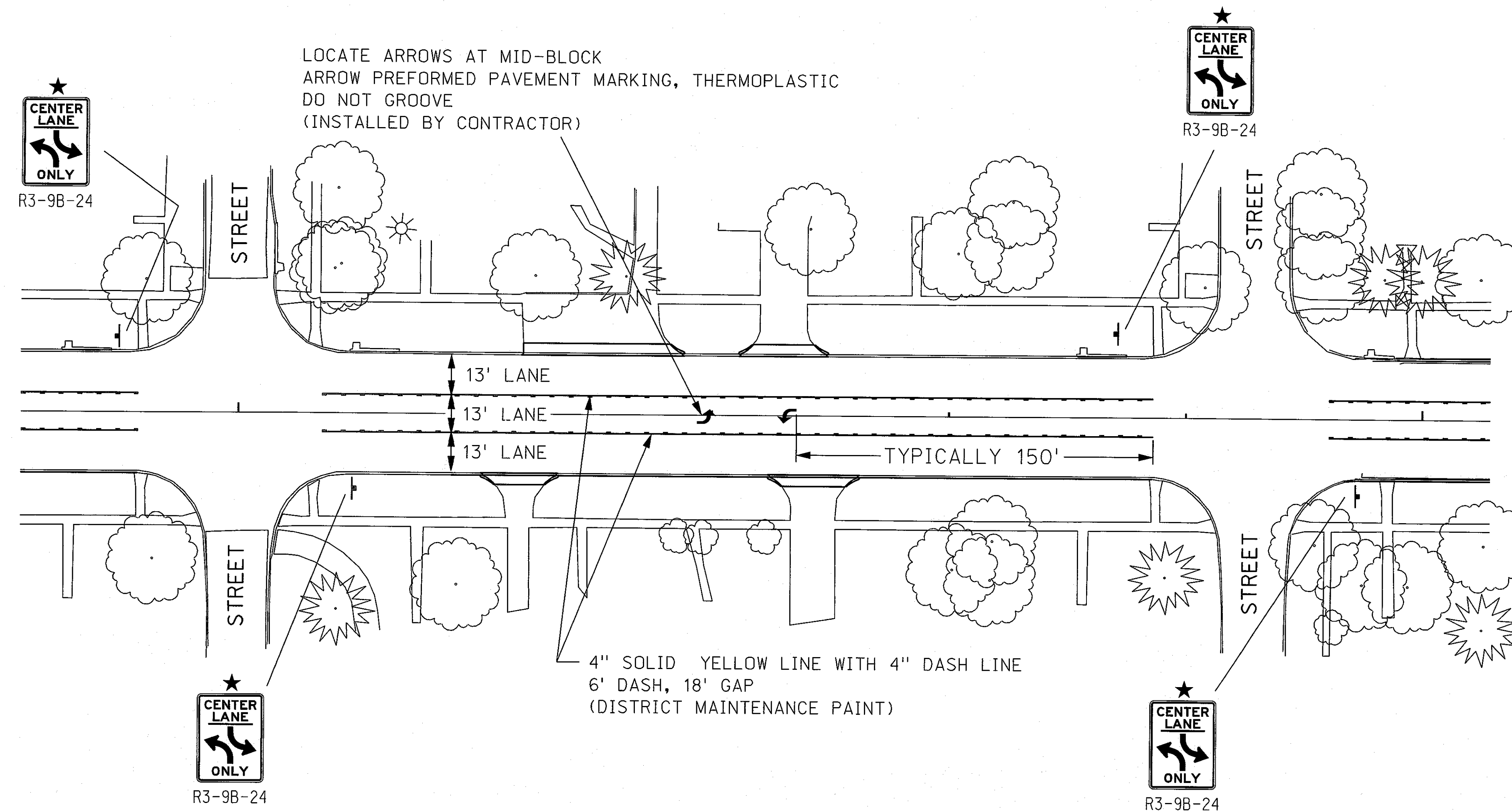


NEBRASKA DEPARTMENT OF ROADS TRAFFIC ENGINEERING DIVISION

TYPICAL PAVEMENT MARKING

DESIGNED DV	TEMPORARY PAVEMENT MARKING PLAN	1/1
REVIEWED MAN	TRAFFIC ENGINEER	DATE
DATE DRAWN 8/06		

TYPICAL COMMON LEFT TURN LANE



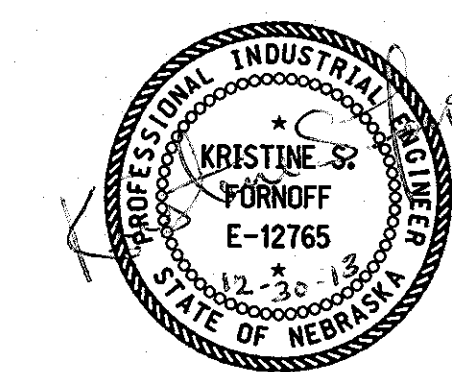
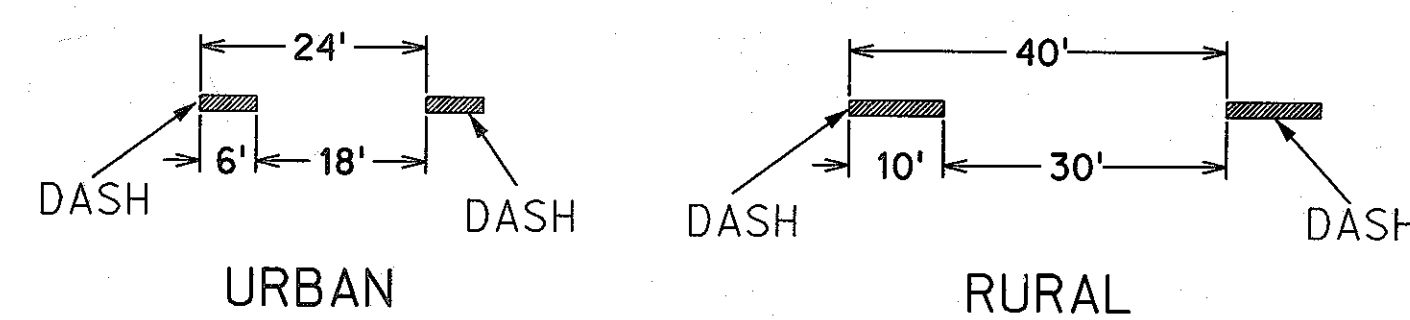
GENERAL NOTES

1. ALL PAVEMENT MARKING SHOWN SHALL BE INSTALLED BY MAINTENANCE FORCES AS DISTRICT PAINT PAVEMENT MARKING, UNLESS SHOWN OTHERWISE.
2. ALL PERMANENT PAVEMENT MARKING SHALL BE INSTALLED WITH SMOOTH AND GRADUAL TRANSITIONS AND ALIGNMENTS. WHEN NECESSARY, THE CONTRACTOR SHALL PREMARK THE SURFACE PRIOR TO PLACING THE MARKINGS.
- ★ 3. SIGN LOCATIONS SHOWN ON THIS PLAN ARE APPROXIMATE AND MAY BE ADJUSTED TO FIT FIELD CONDITIONS. THE SIGNING SHOWN SHALL BE INSTALLED BY STATE FORCES AND BE PLACED AS NOT TO OBSCURE THE VIEW OF OTHER TRAFFIC CONTROL DEVICES. ALL SIGNS SHALL BE INSTALLED AT A MINIMUM 7' MOUNTING HEIGHT.
4. NEW PAVEMENT MARKING SHALL BE ALIGNED WITH EXISTING PAVEMENT MARKING WHERE NECESSARY.
5. WHEN USED, ALL LEGENDS, ARROWS, AND SYMBOLS SHALL BE CENTERED IN RESPECTED LANES. LEGENDS, ARROWS, SYMBOLS, AND CROSSWALK PAVEMENT MARKINGS SHALL NOT BE GROOVED AND SHALL BE PREFORMED PAVEMENT MARKING, THERMOPLASTIC.
6. MINIMUM WIDTH OF TRAVELLED LANE SHALL BE AS SHOWN, UNLESS APPROVED OTHERWISE BY THE ENGINEER.
7. REMOVE ALL CONFLICTING PAVEMENT MARKING FROM ROADWAY.

LEGEND

- SINGLE POST SIGN
- DOUBLE POST SIGN

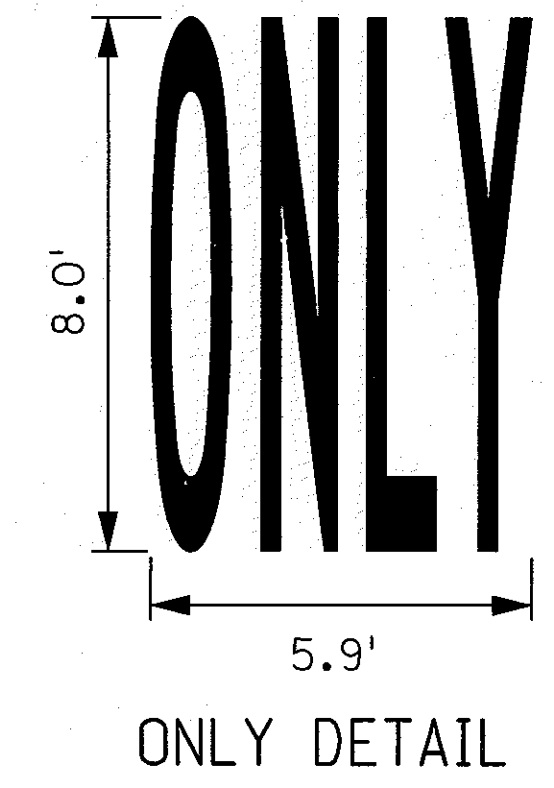
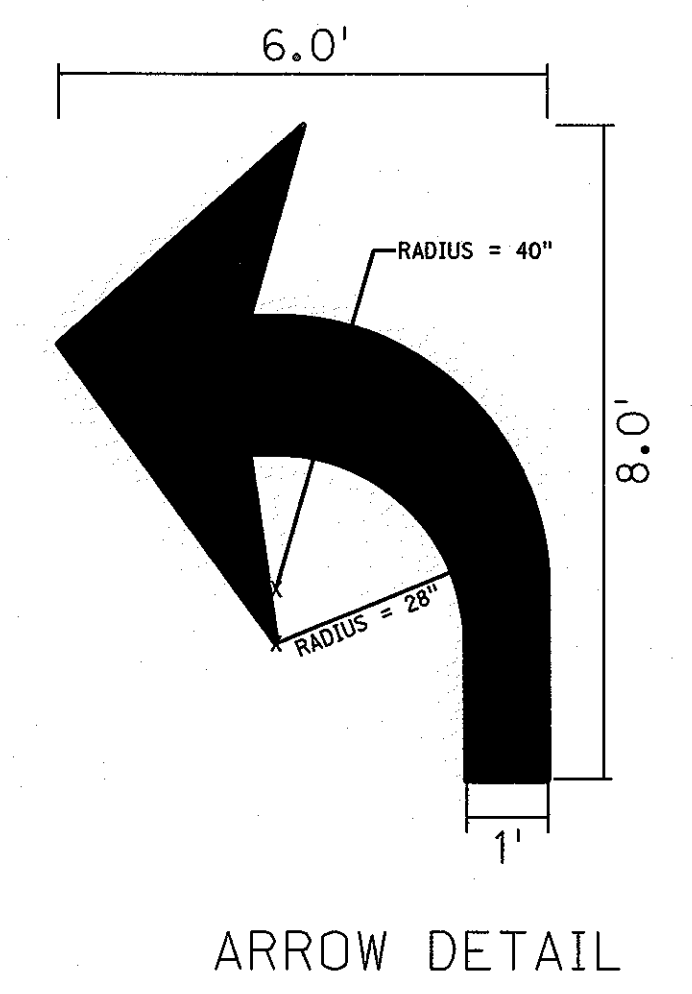
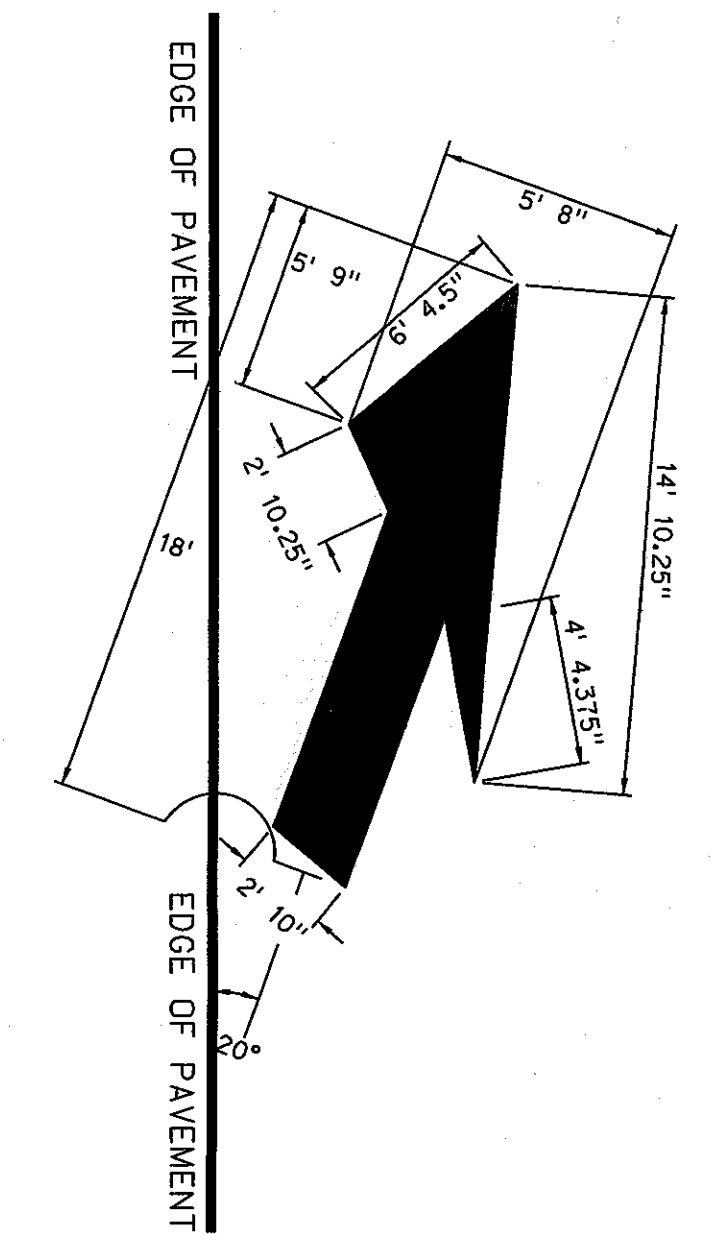
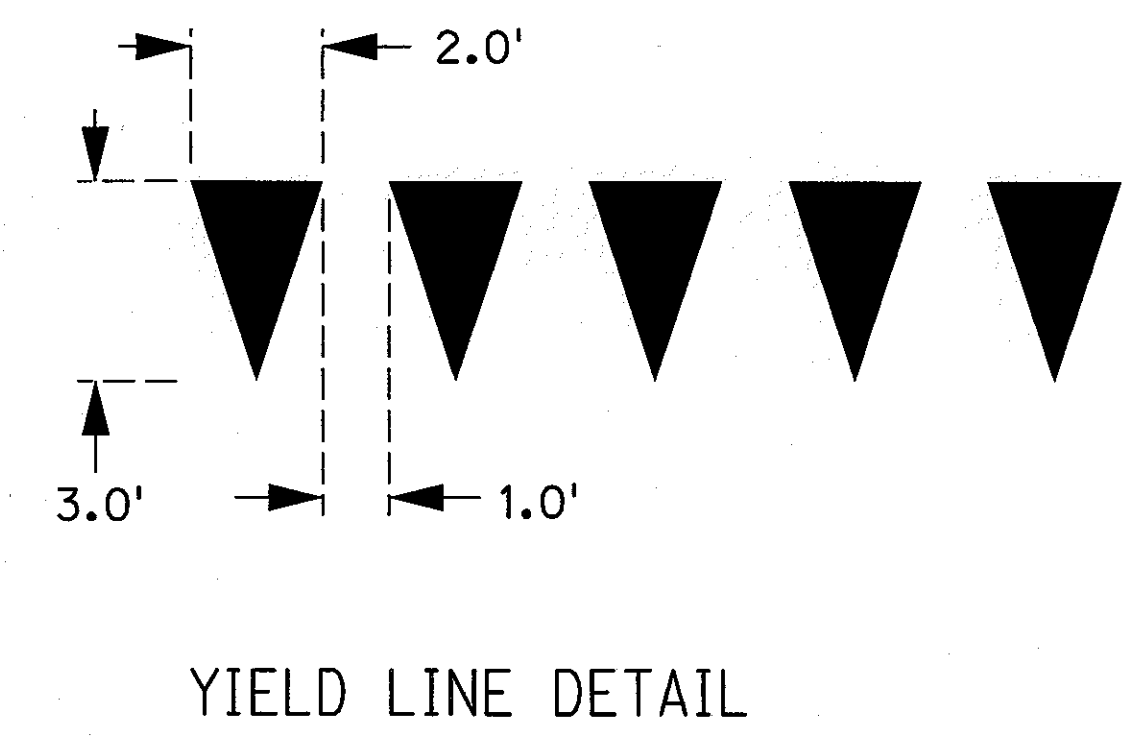
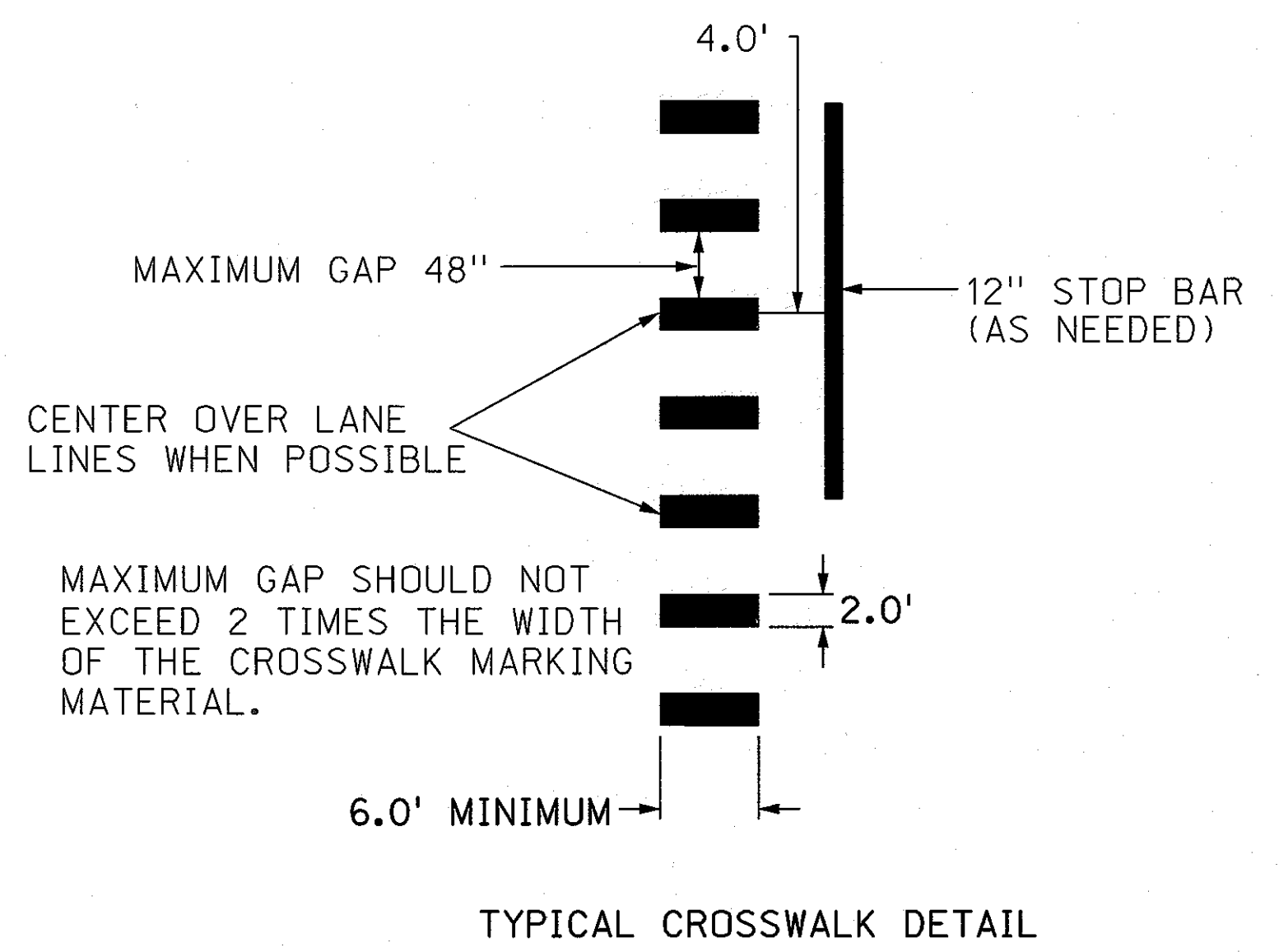
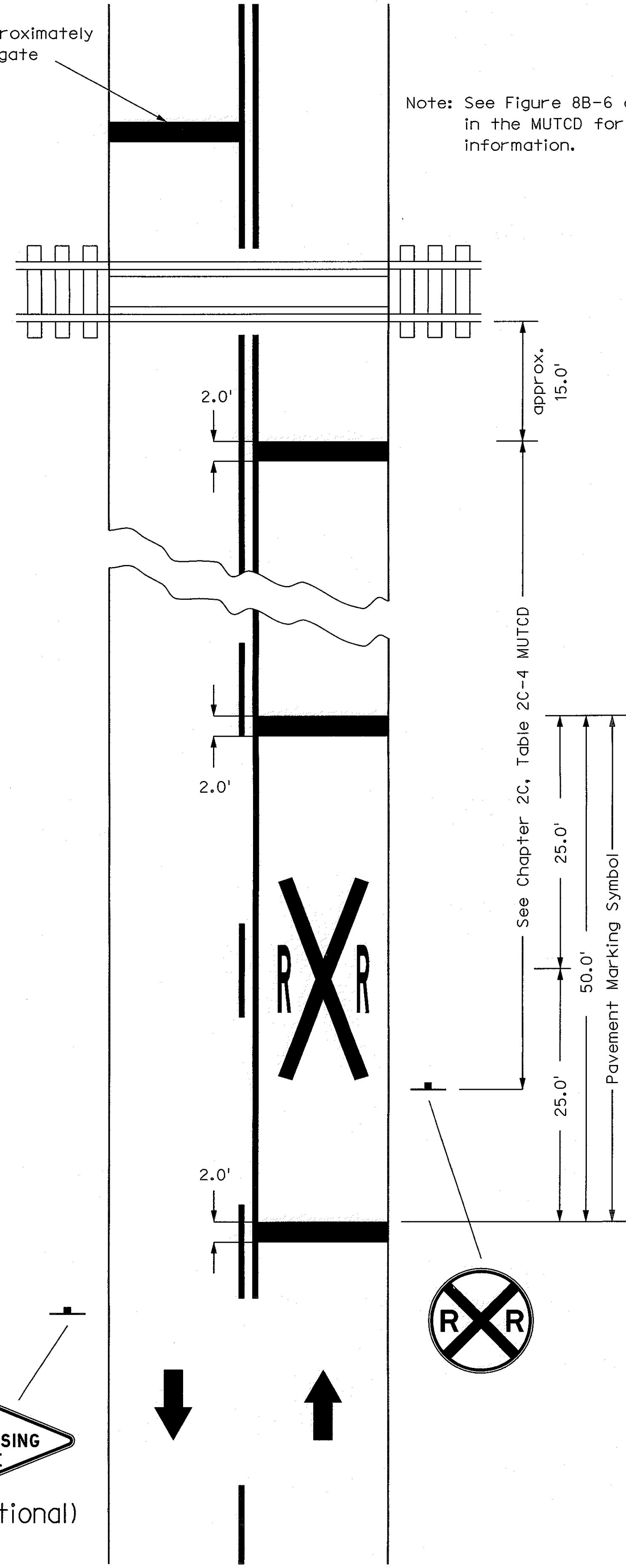
PAVEMENT MARKING TYPICAL — DASH LINE —



NEBRASKA DEPARTMENT OF ROADS TRAFFIC ENGINEERING DIVISION			
TYPICAL PAVEMENT MARKING PLAN			
DESIGNED	KSF	COMMON LEFT TURN LANE ARROWS	(1/1)
REVIEWED		IN NELIGH	
APPROVED	DATE DRAWN	TRAFFIC ENGINEER	DATE
	12/13		

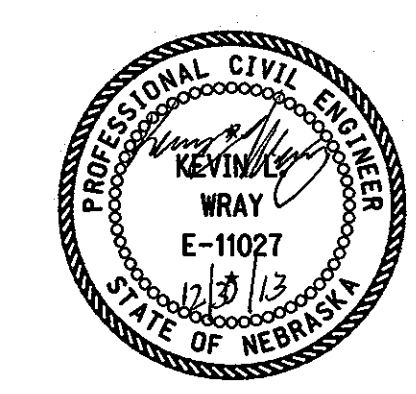
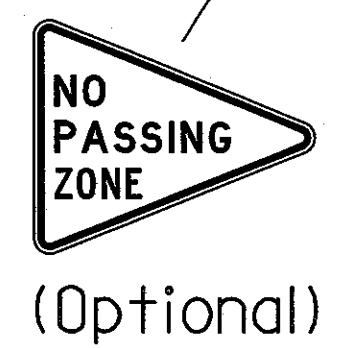
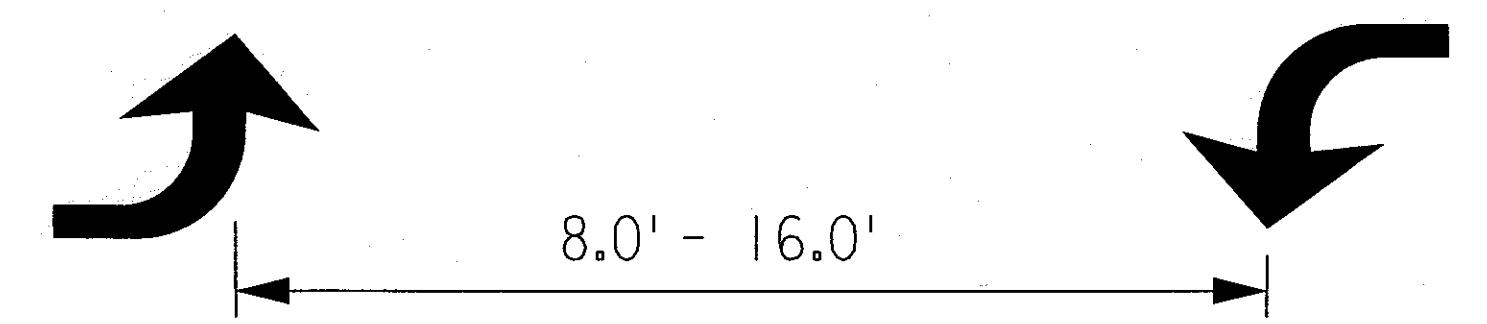
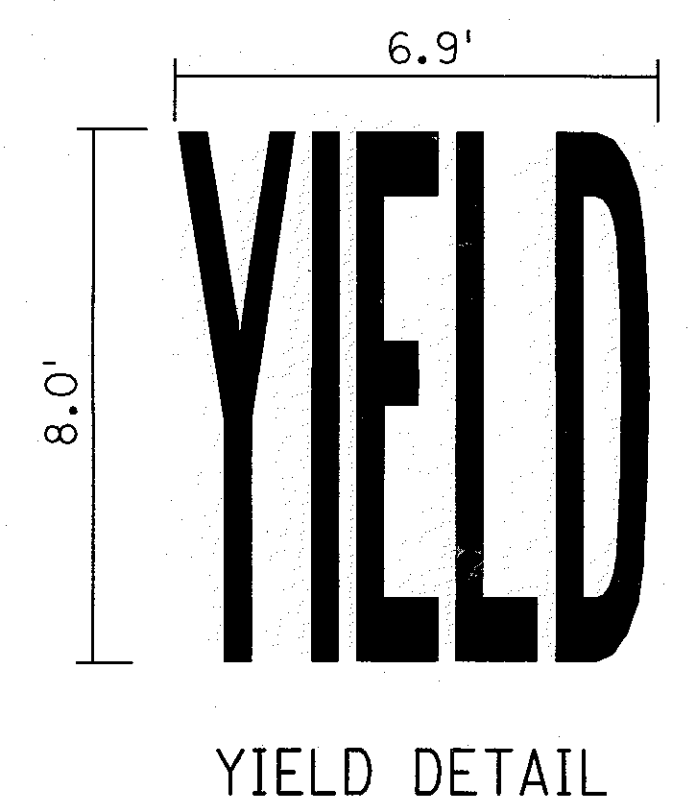
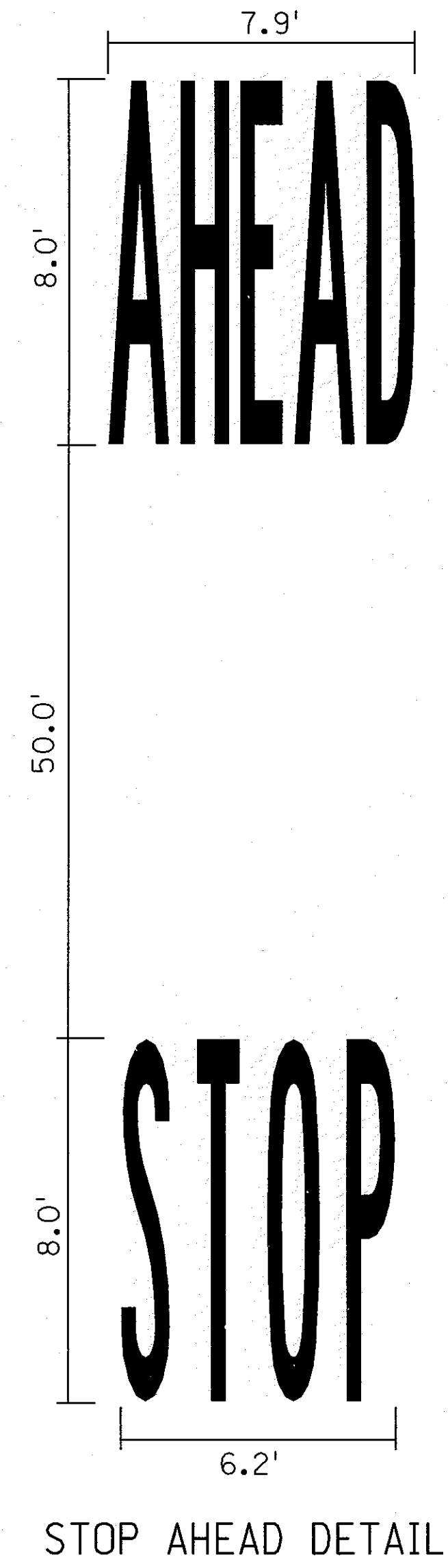
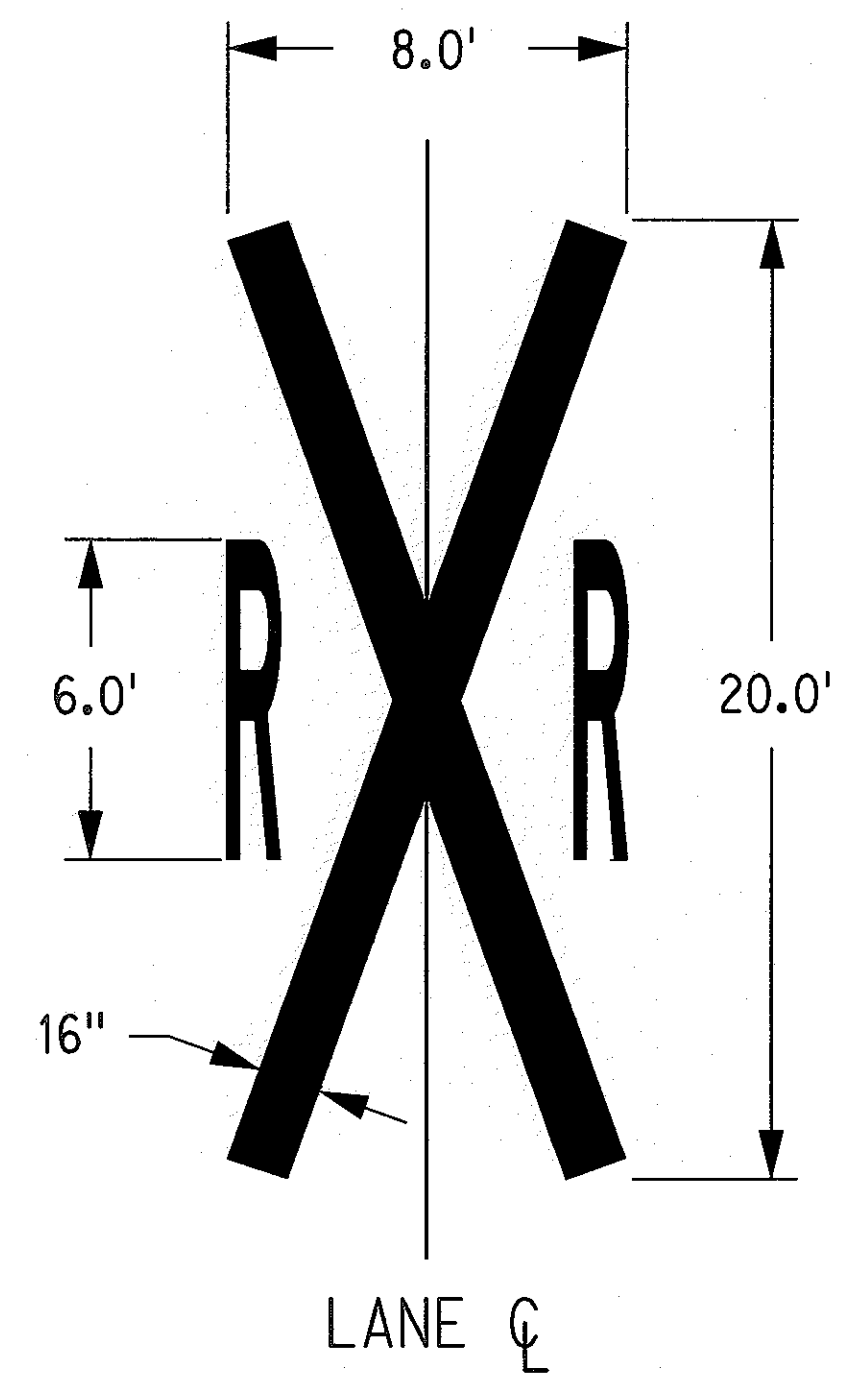
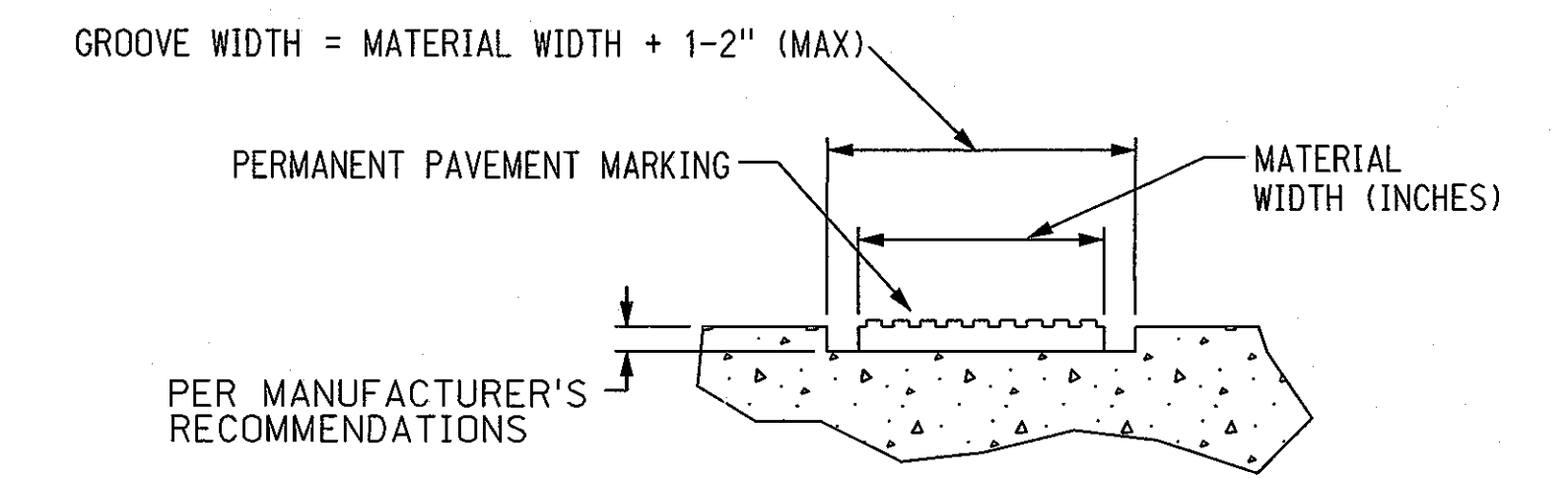
Stop line approximately 8.0 ft from gate (if present)

Note: See Figure 8B-6 and 8B-7 in the MUTCD for more information.



LANE REDUCTION ARROW DETAIL

PERMANENT PAVEMENT MARKINGS INSTALLED IN GROOVES



NEBRASKA DEPARTMENT OF ROADS TRAFFIC ENGINEERING DIVISION			
PAVEMENT MARKING PLAN			
DESIGNED	KSF	PAVEMENT MARKING DETAILS	
REVIEWED			
APPROVED	DATE DRAWN	TRAFFIC ENGINEER	DATE
	12/13		