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**STATE OF NEBRASKA  
DEPARTMENT OF ROADS**

**PLANS FOR CONSTRUCTION**

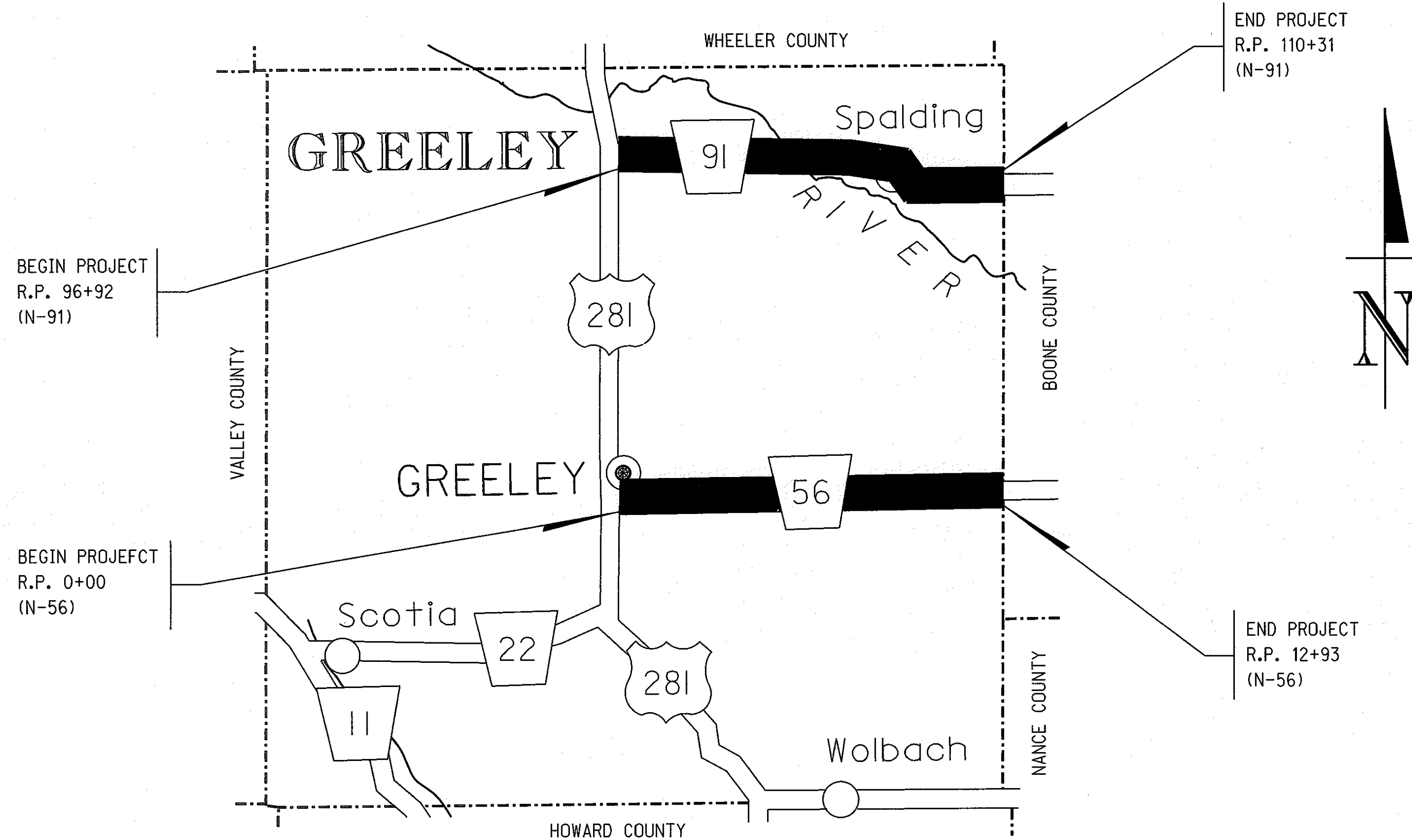
**HWY. 91 — SPAULDING E & W  
HWY. 56 — GREELEY EAST  
GREELEY COUNTY**

PROJECT NO.	SHEET NO.
AFE-0002	1
▲ CONTRACT ID. M4TLOA	
▲ CONTRACT ID.	
■ CONTRACT ID.	

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 FEBRUARY 6, 2014	
▲ GROUPS	ARE INCLUDED
IN THE LETTING OF	
■ GROUPS	ARE INCLUDED
IN THE LETTING OF	

DESIGN DESIGNATION	
MAINTENANCE	
TRAFFIC	
	2014 ADT
N-91	1,215
N-56	355



CONSTRUCTION DIVISION

Computer: DROCONSTRUCT10

User: dor17005

Date: 31-DEC-2013 16:07

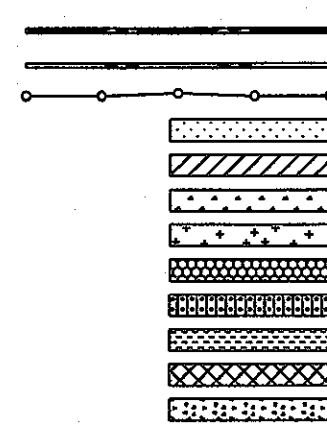
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**CONVENTIONAL SIGNS**

- 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

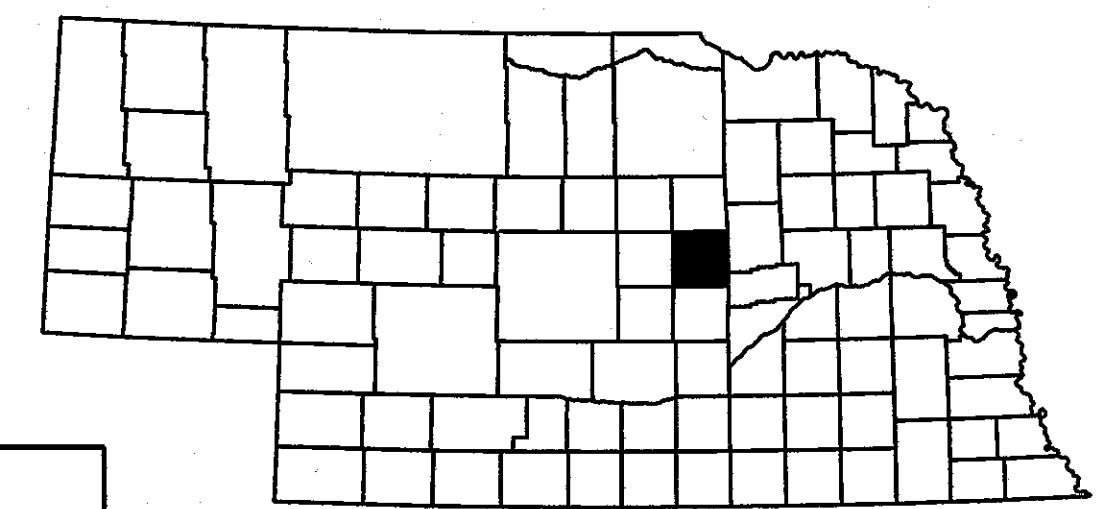
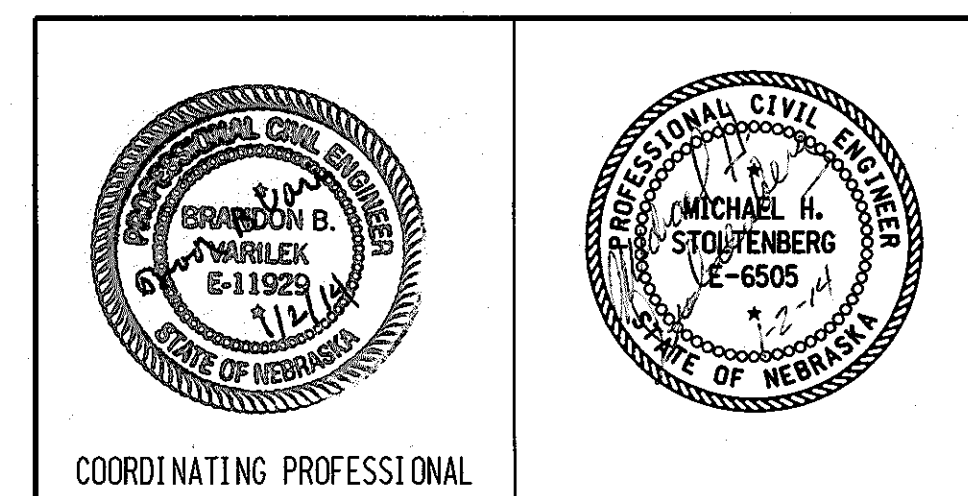


REFERENCE POST NO. 96+92 TO REFERENCE POST NO. 110+31 (N-91)

REFERENCE POST NO. 0+00 TO REFERENCE POST NO. 12+93 (N-56)

EXCEPTIONS: FROM STA. TO STA.

TOTAL NET LENGTH OF PROJECT: 138,969.60 FEET 26.320 MILES



PROJECT NO.	SHEET NO.
AFE-D002	2-5

CONTRACT ID. MATLOA

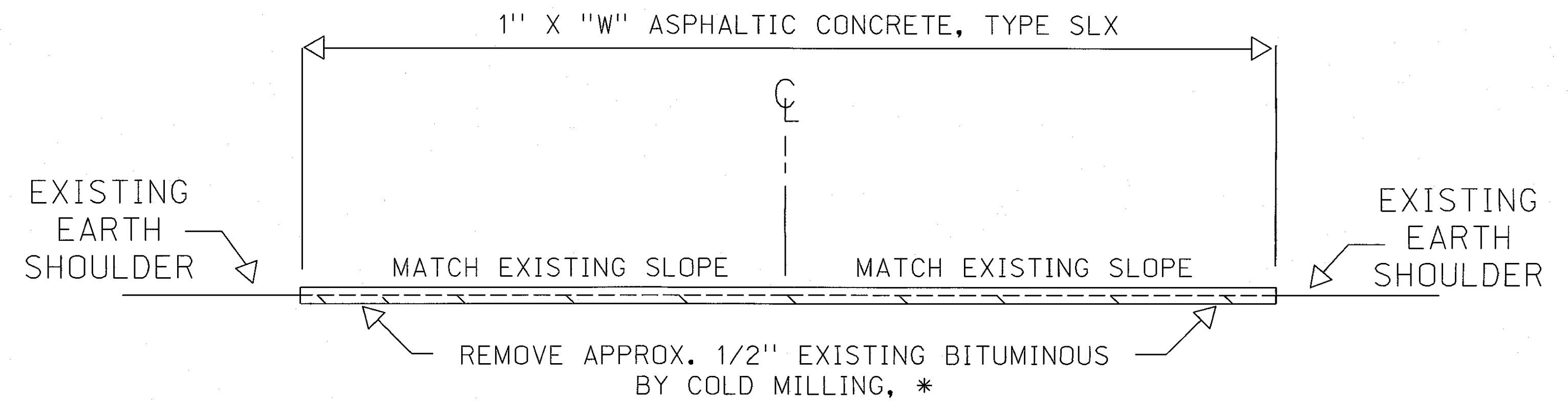
# SUMMARY OF QUANTITIES

# TYPICAL CROSS SECTIONS

## BITUMINOUS SURFACING ITEMS GROUP 9

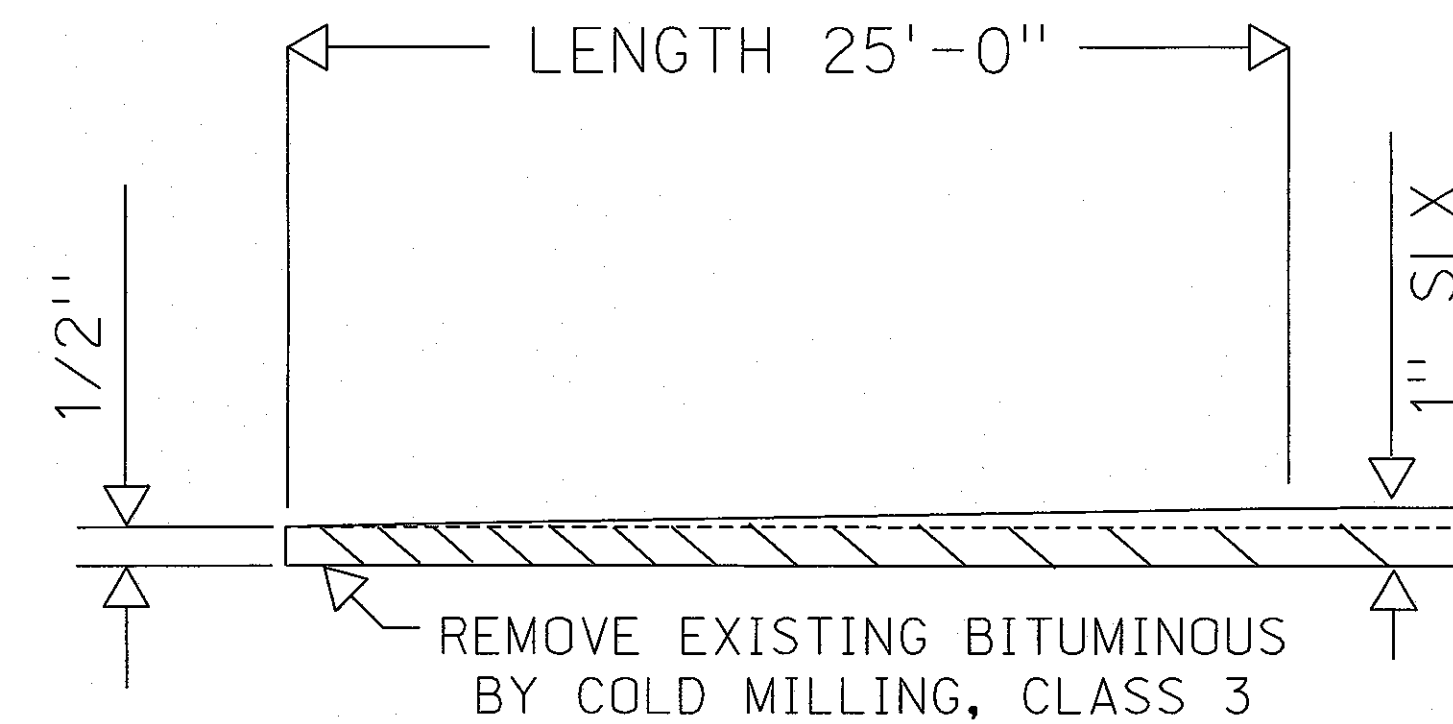
ITEM	QUANTITY	UNITS
BARRICADE, TYPE II	6,600.000	BDAY
BARRICADE, TYPE III	310.000	BDAY
TEMPORARY SIGN DAY	420.000	EACH
SIGN DAY	11,730.000	EACH
OVERLAY BROKEN LINES	1,390.000	STA
OVERLAY SOLID LINES	2,780.000	STA
FLAGGING	60.000	DAY
FURNISHING AND OPERATING PILOT VEHICLE	30.000	DAY
MOBILIZATION	1.000	LS
HYDRATED LIME/WARM MIX ASPHALT	23,915.000	EACH
ASPHALTIC CONCRETE, TYPE SLX	22,915.000	TON
ASPHALTIC CONCRETE FOR PATCHING, TYPE SLX	1,000.000	TON
PERFORMANCE GRADED BINDER (64-34)	1,004.430	TON
TACK COAT	63,650.000	GAL
FOG SEAL	1,500.000	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	777.766	STA
COLD MILLING, CLASS 3	750.961	STA
TYPE A		
RAP INCENTIVE PAYMENT	40,655.000	EACH
ASPHALT PAVEMENT SMOOTHNESS TESTING	1.000	LS

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



REFERENCE POST TO REFERENCE POST	"W"	"*"
HWY 91 96+92 - 110+31	24'-0"	CLASS 3
HWY 56 0+00 - 12+93	26'-0"	CLASS 3, TYPE A

### TRANSITION DETAIL FROM EXISTING PAVEMENT TO NEW ASPHALTIC CONCRETE, TYPE SLX



CONSTRUCTION DIVISION

Computer: DRCONSTRUCT10

User: dor17005

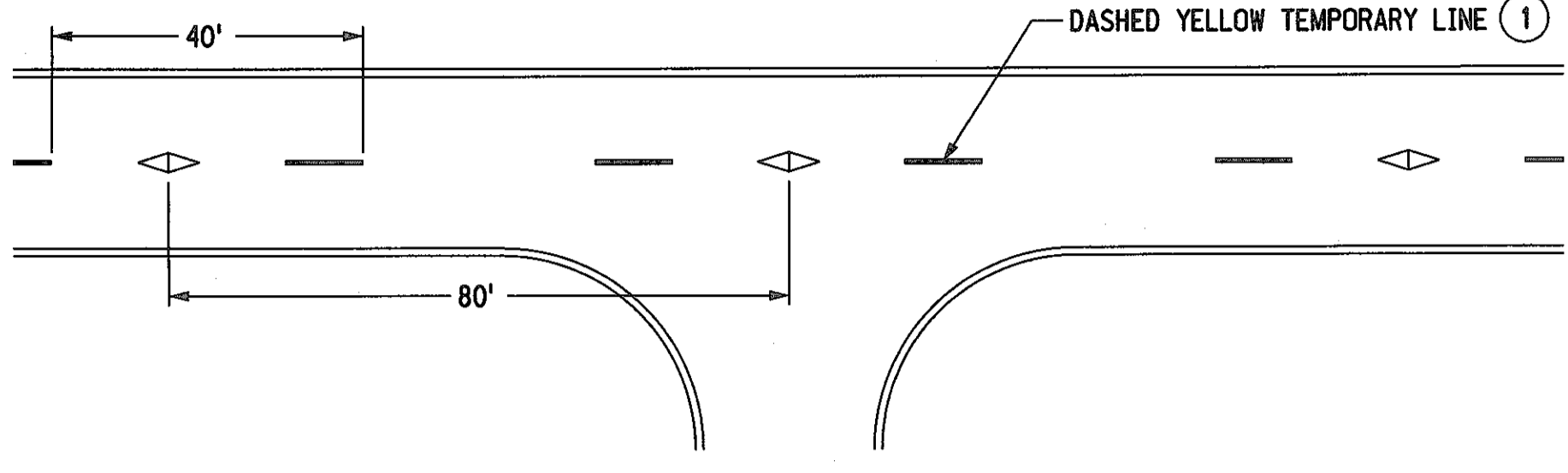
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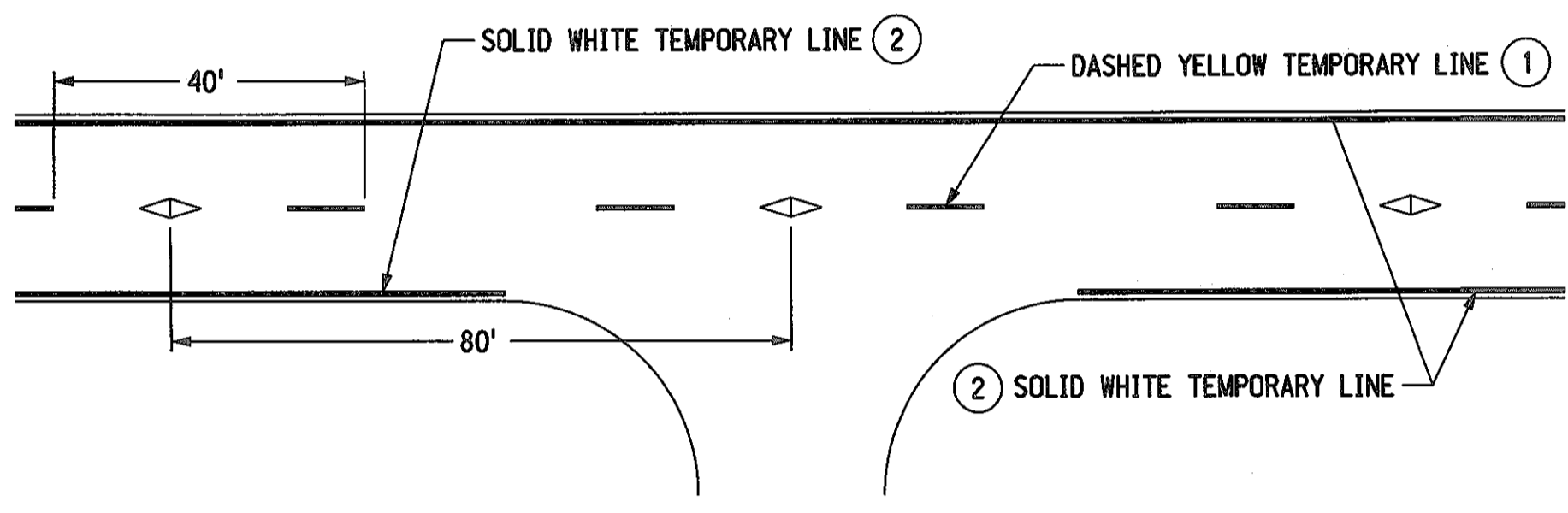
TRAFFIC ENGINEERING DIVISION  
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### 2 LANE ROADWAYS

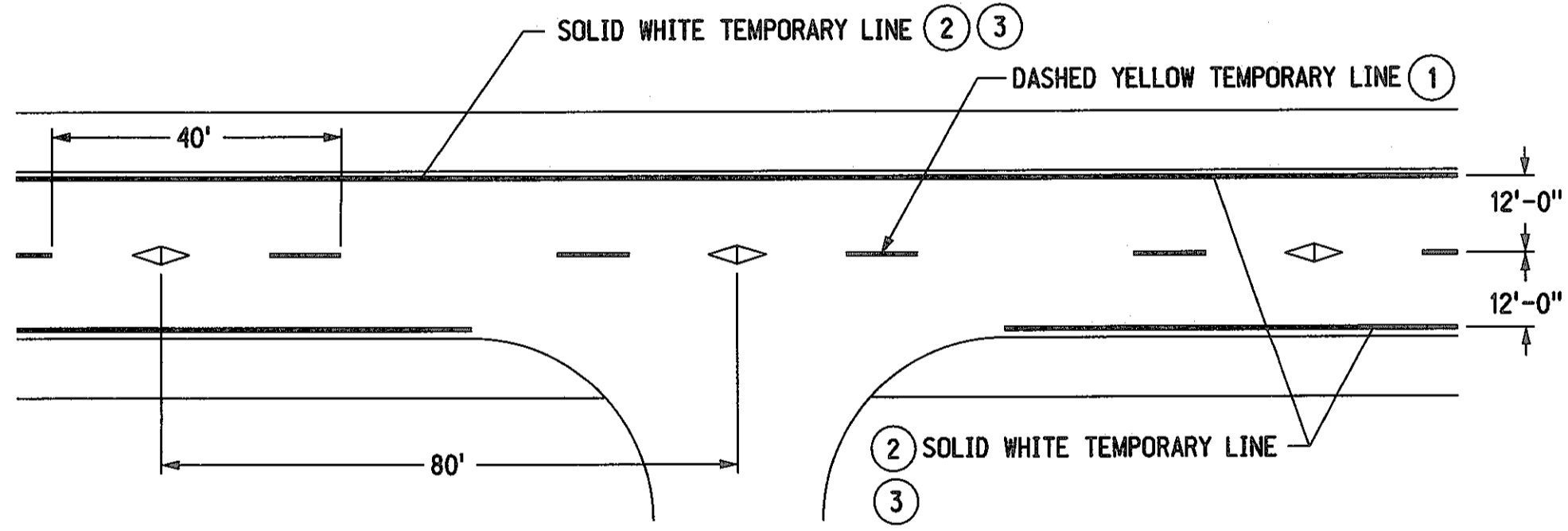
2 LANE WITH CURBS



### 2 LANE EARTH SHOULDERS

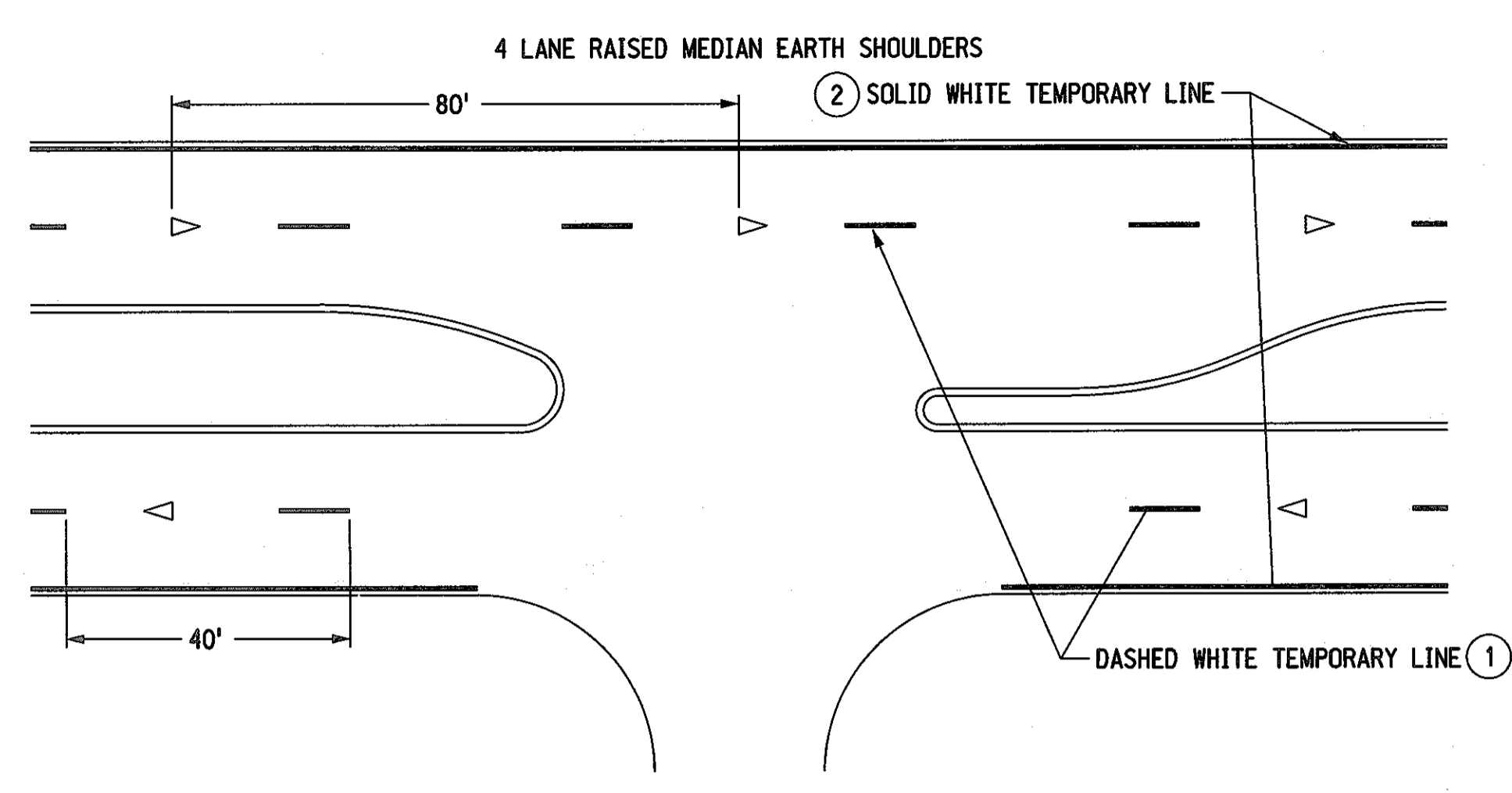


### 2 LANE SURFACED SHOULDERS

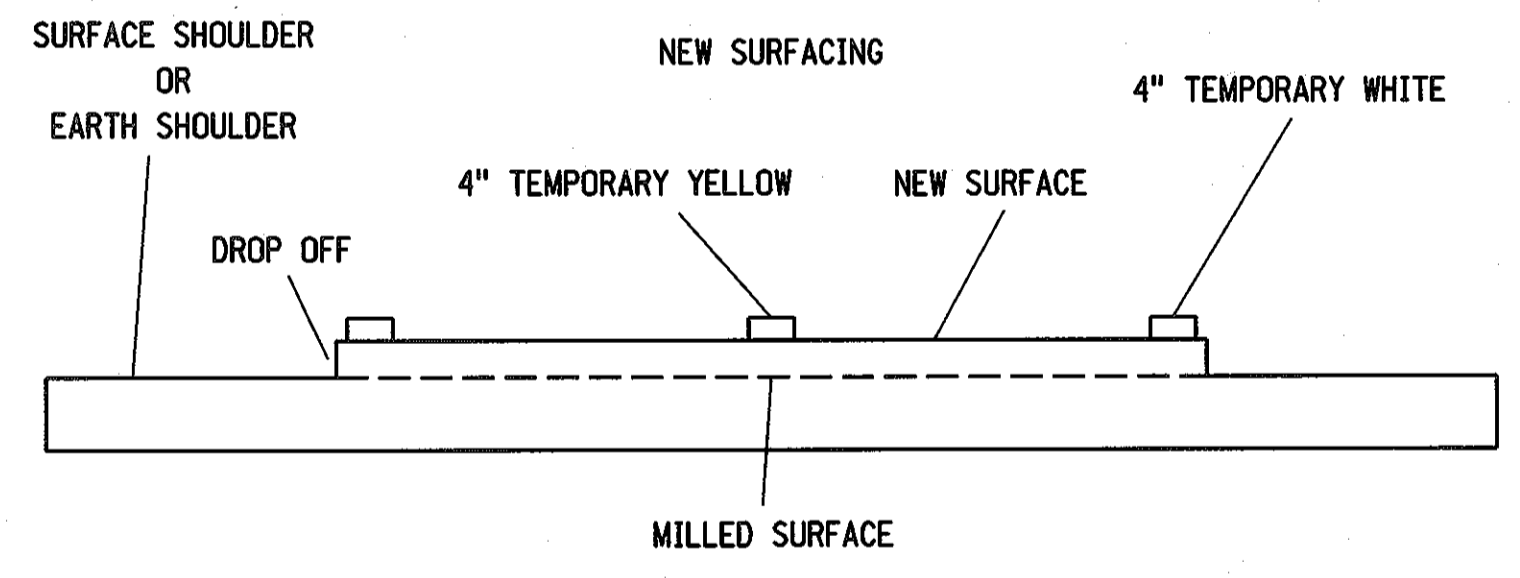
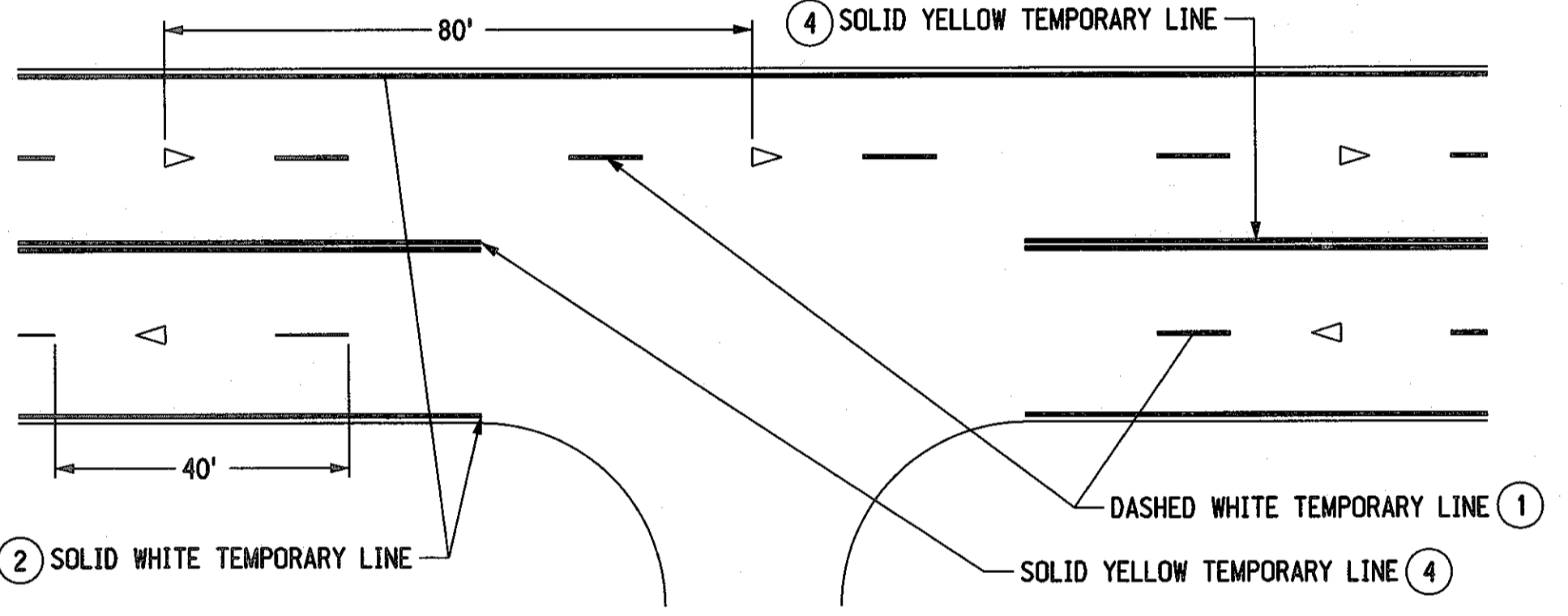


### 4 LANE ROADWAYS

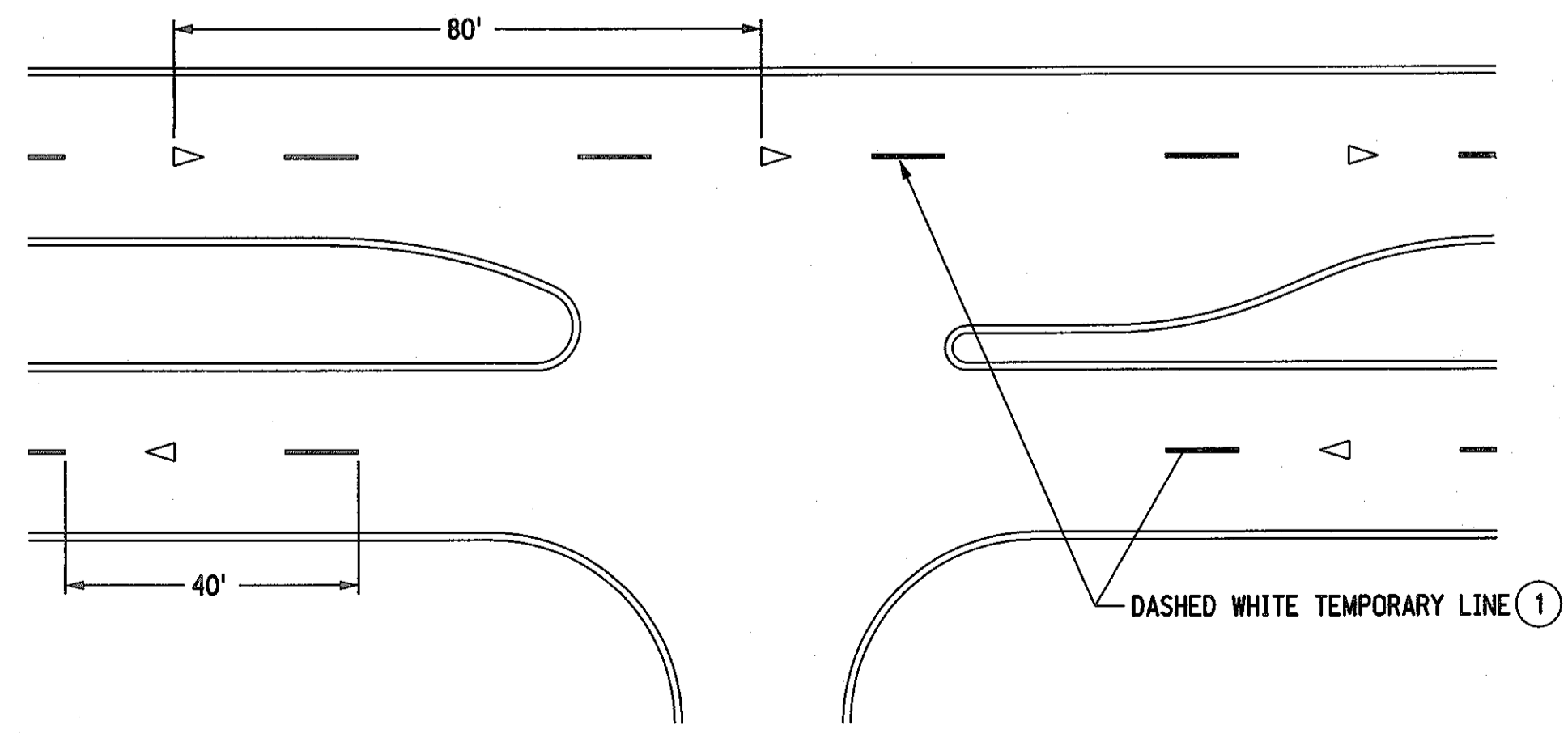
4 LANE RAISED MEDIAN EARTH SHOULDERS



### 4 LANE EARTH SHOULDERS

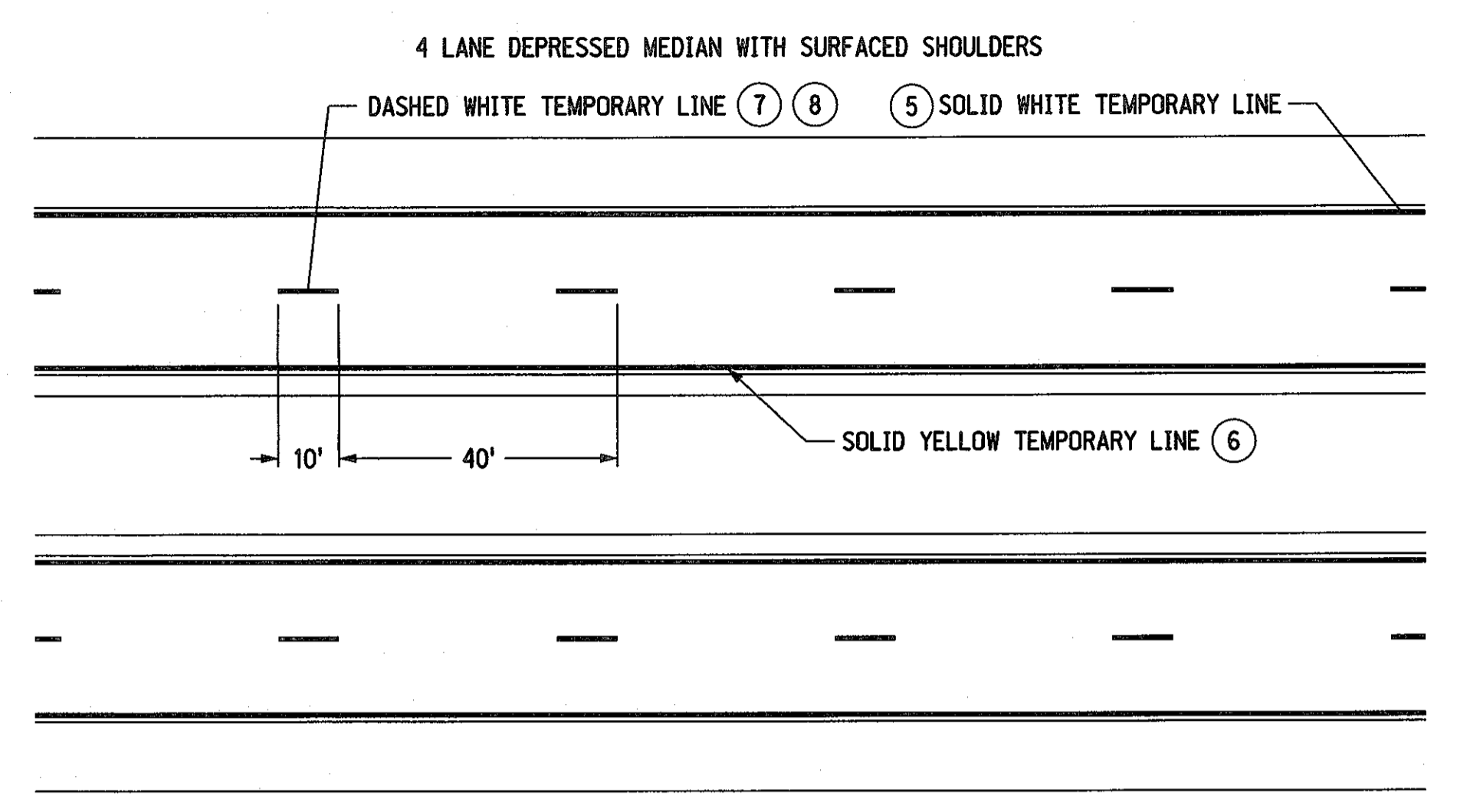


### 4 LANE RAISED MEDIAN WITH CURBS



### 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  
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.

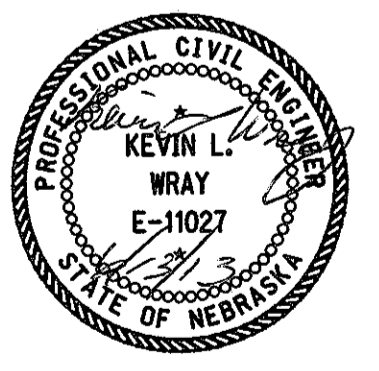
ROADWAY WIDTH	SHOULDER TYPE	DISTANCE FROM C OF ROADWAY TO OUTSIDE EDGE OF PAVEMENT
LESS THAN 24'	SURFACED	EDGE OF LANE
LESS THAN 24'	EARTH	PAVEMENT EDGE
24'	EARTH	PAVEMENT EDGE
24'	SURFACED	12'-0" *
24' TO 28'	EARTH	12'-0" *

\* 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		
DATE DRAWN	TRAFFIC ENGINEER		DATE
	8/06		