

PROJECT NO.	SHEET NO.
RD-71-4(1019)	1
▲ CONTROL NO.	51531
▲ CONTROL NO.	
■ CONTROL NO.	

INDEX OF SHEETS

- SHEET NO.
- 1 TITLE PAGE
 - 2-5 SUMMARY OF QUANTITIES & TYPICAL CROSS SECTION
 - 3 TEMPORARY PAVEMENT MARKING PLAN

STANDARD PLANS

- 920-R5 (2 SHEETS) TRAFFIC CONTROL, CONSTRUCTION AND MAINTENANCE
- 922-R8 (2 SHEETS) TRAFFIC CONTROL FOR ASPHALT SURFACING

**STATE OF NEBRASKA
DEPARTMENT OF ROADS**

PLANS FOR CONSTRUCTION

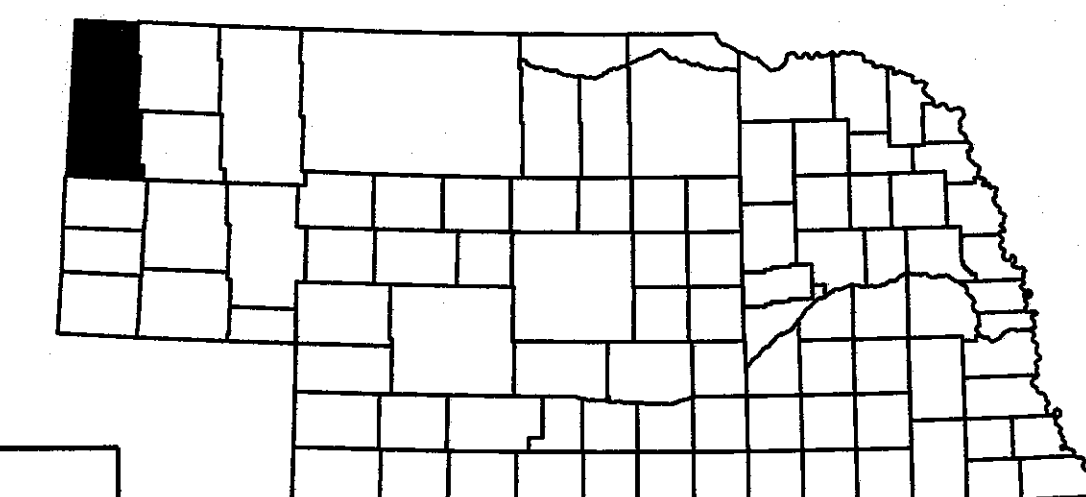
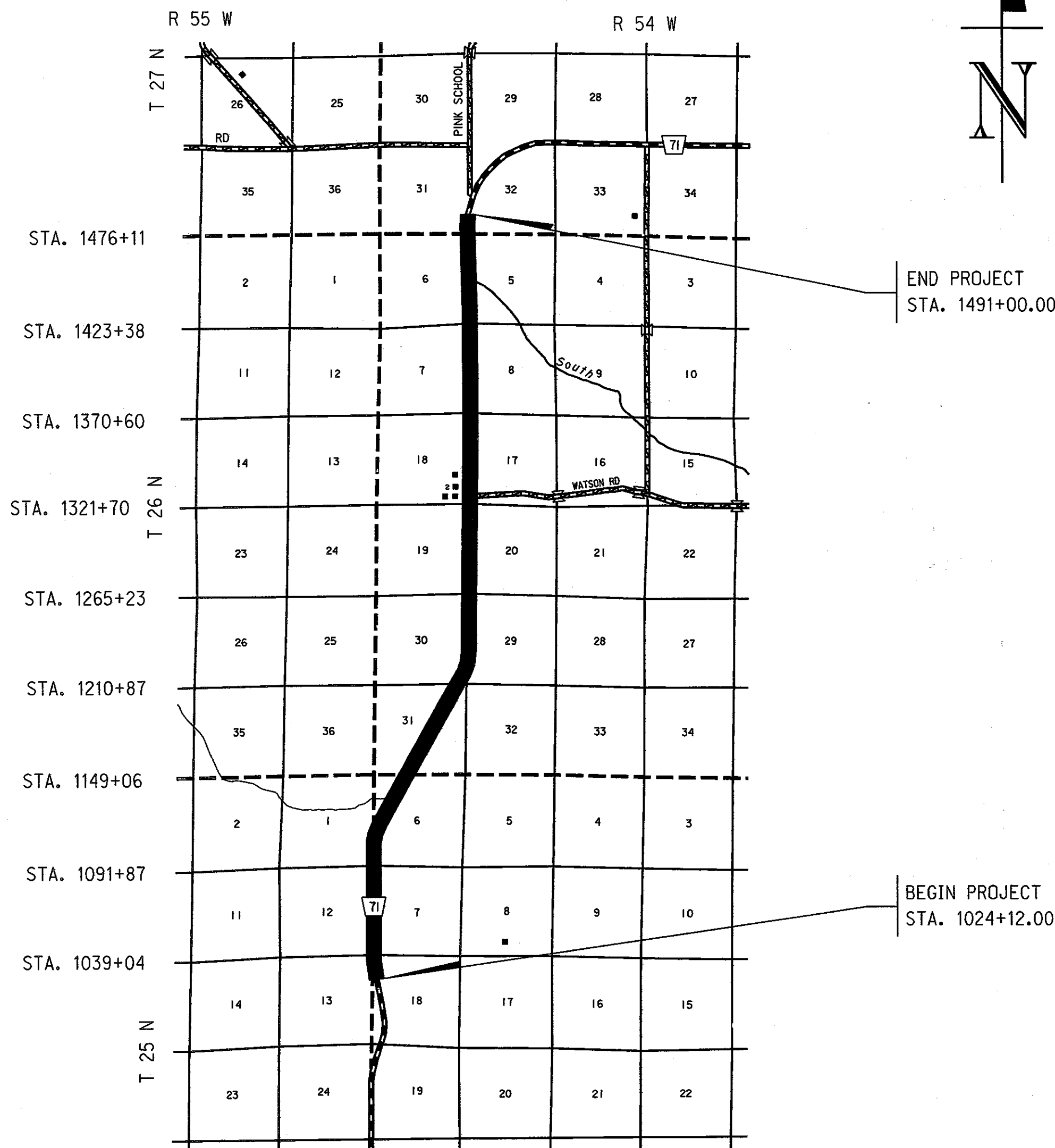
**WATSON RANCH SOUTH
SIOUX COUNTY**

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>MAY 22, 2014</u>
▲ GROUPS _____ ARE INCLUDED IN THE LETTING OF _____
■ GROUPS _____ ARE INCLUDED IN THE LETTING OF _____

DESIGN DESIGNATION
MAINTENANCE
TRAFFIC
YEAR: 2014
ADT: 715



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

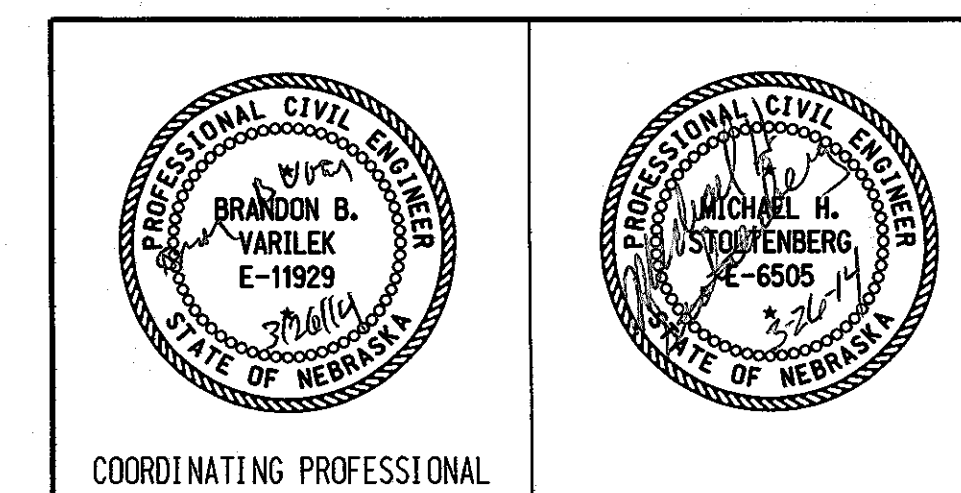
R.O.W. LEGEND

- 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. 80+96 TO REFERENCE POST NO. 89+83

EXCEPTIONS: FROM STA. _____ TO STA. _____

TOTAL NET LENGTH OF PROJECT: 46,688.00 FEET 8.842 MILES



CONSTRUCTION DIVISION

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PROJECT NO.	SHEET NO.
71-4(1019)	2-5

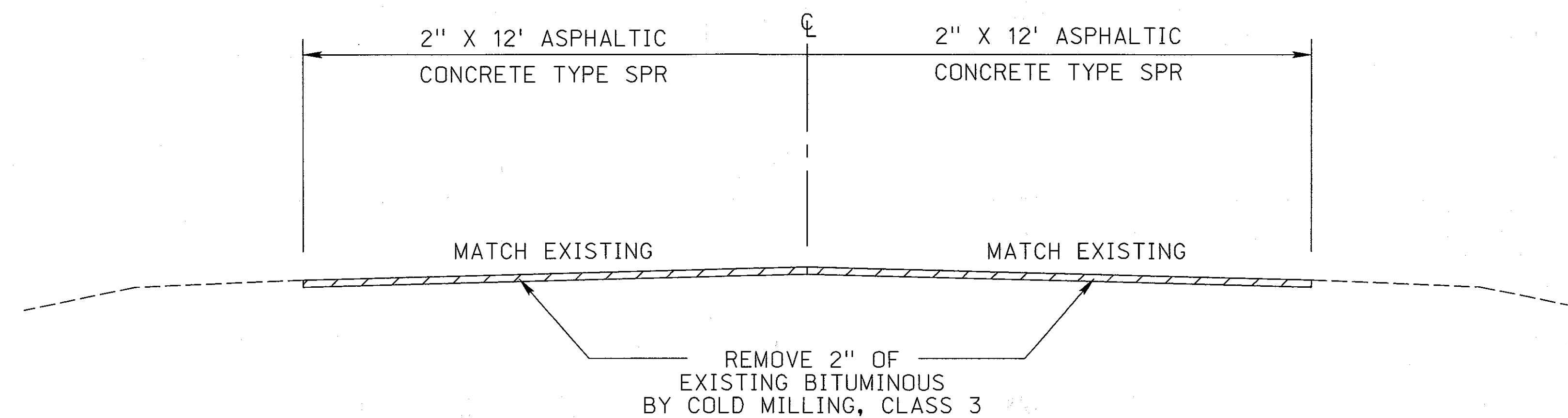
C.N. 51531

SUMMARY OF QUANTITIES

TYPICAL CROSS SECTION

BITUMINOUS SURFACING ITEMS GROUP 9

ITEM	QUANTITY	UNITS
BARRICADE, TYPE II	4,000.000	BDAY
BARRICADE, TYPE III	164.000	BDAY
TEMPORARY SIGN DAY	280.000	EACH
SIGN DAY	2,583.000	EACH
OVERLAY BROKEN LINES	934.000	STA
OVERLAY SOLID LINES	1,868.000	STA
FLAGGING	40.000	DAY
FURNISHING AND OPERATING PILOT VEHICLE	20.000	DAY
MOBILIZATION	1.000	LS
HYDRATED LIME/WARM MIX ASPHALT FOR STATE MAINTENANCE PATCHING	2,000.000	EACH
HYDRATED LIME/WARM MIX ASPHALT	13,940.000	EACH
ASPHALTIC CONCRETE FOR STATE MAINTENANCE PATCHING, TYPE SPR	2,000.000	TON
ASPHALTIC CONCRETE, TYPE SPR	13,540.000	TON
ASPHALTIC CONCRETE FOR PATCHING, TYPE SPR	400.000	TON
PERFORMANCE GRADED BINDER (64-34) FOR STATE MAINTENANCE PATCHING	68.000	TON
PERFORMANCE GRADED BINDER (64-34)	473.960	TON
TACK COAT	18,680.000	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	466.880	STA
RAP INCENTIVE PAYMENT FOR STATE MAINTENANCE PATCHING	3,400.000	EACH
RAP INCENTIVE PAYMENT	23,698.000	EACH
ASPHALT PAVEMENT SMOOTHNESS TESTING I/D	1.000	LS



HIGHWAY N-71
 STA. TO STA.
 1024+12 1491+00

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



CONSTRUCTION DIVISION

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TRAFFIC ENGINEERING DIVISION

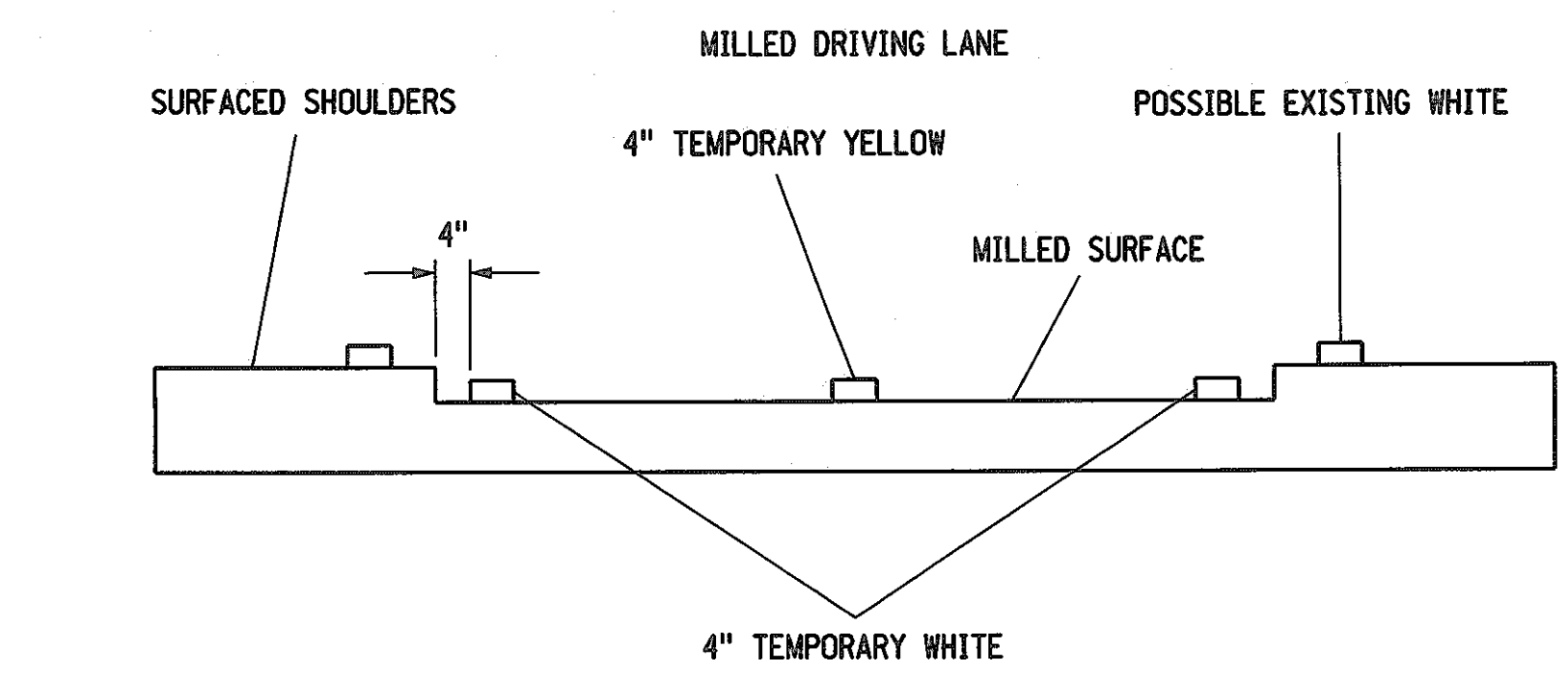
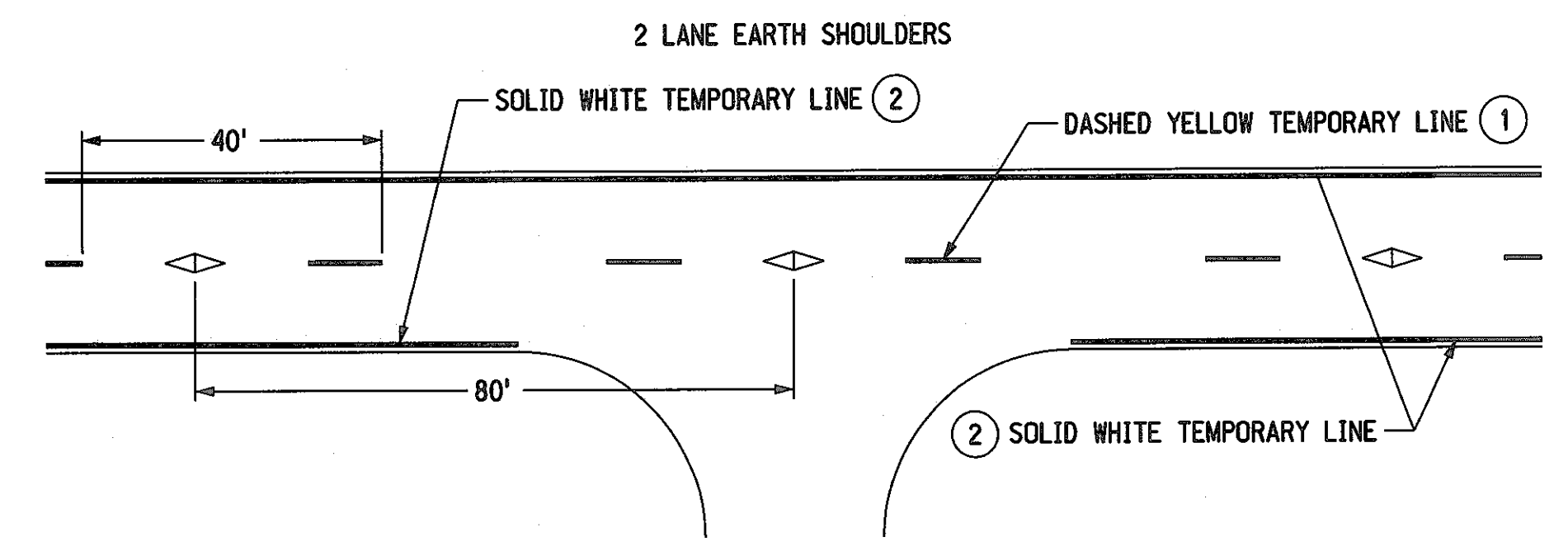
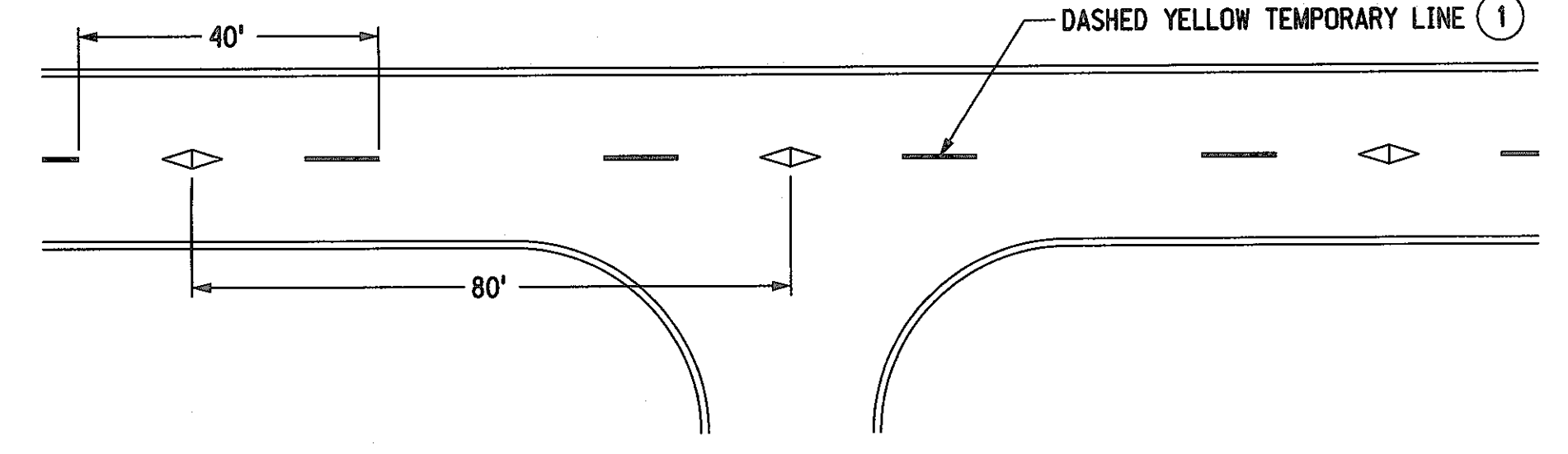
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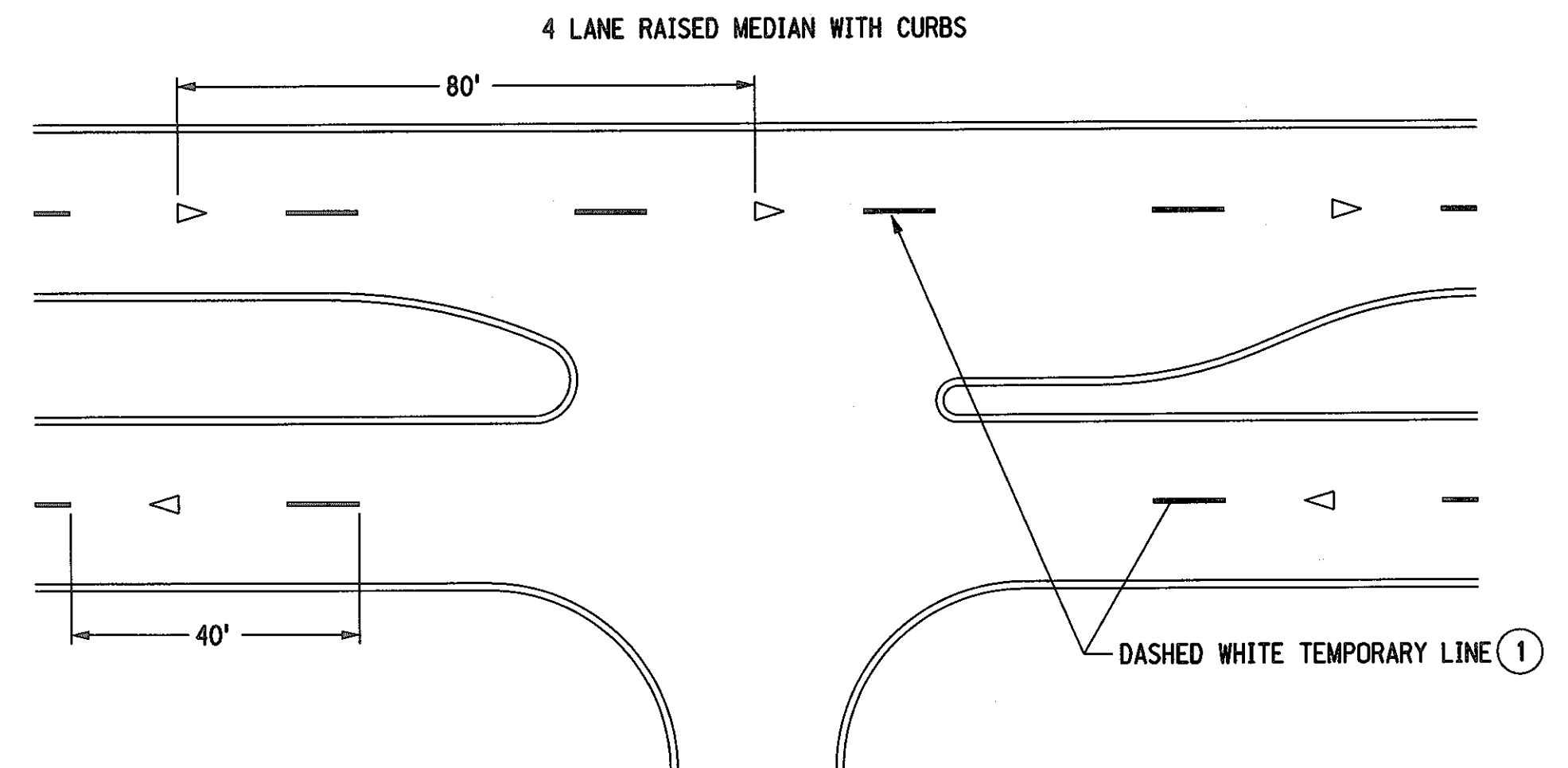
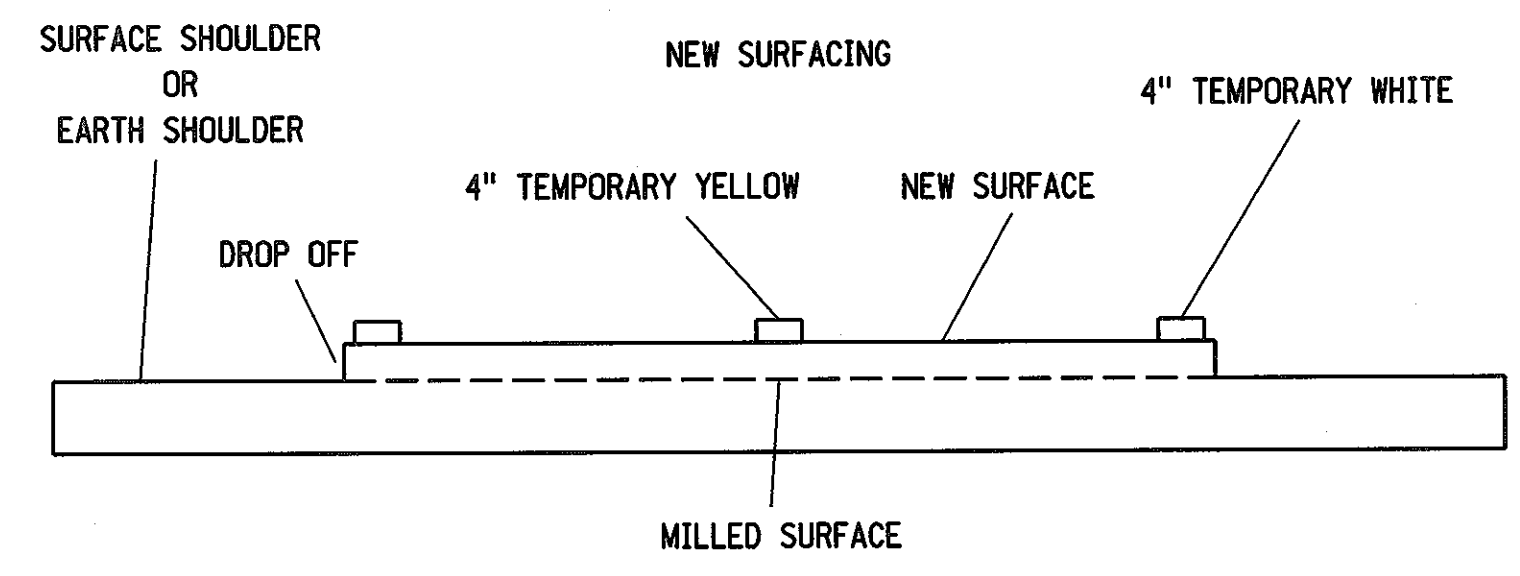
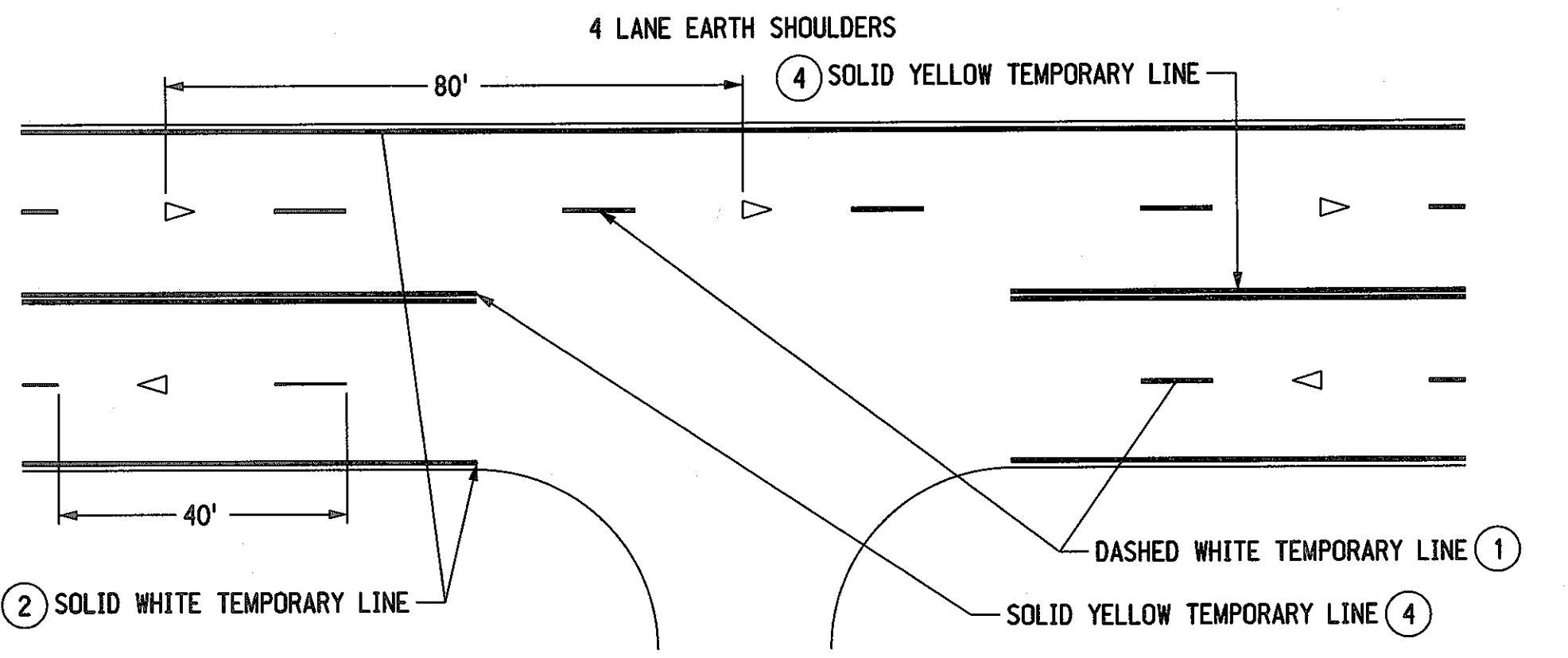
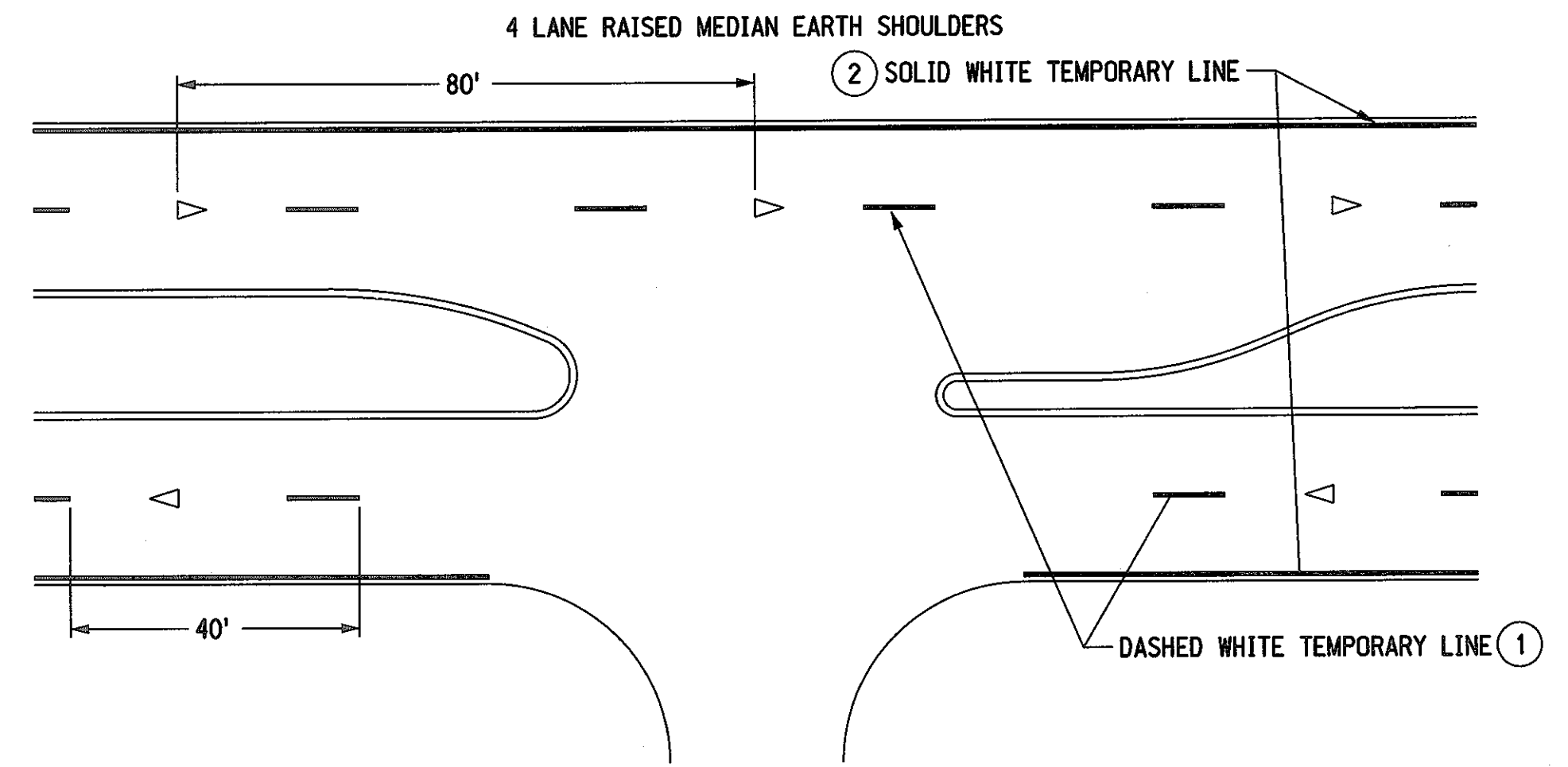
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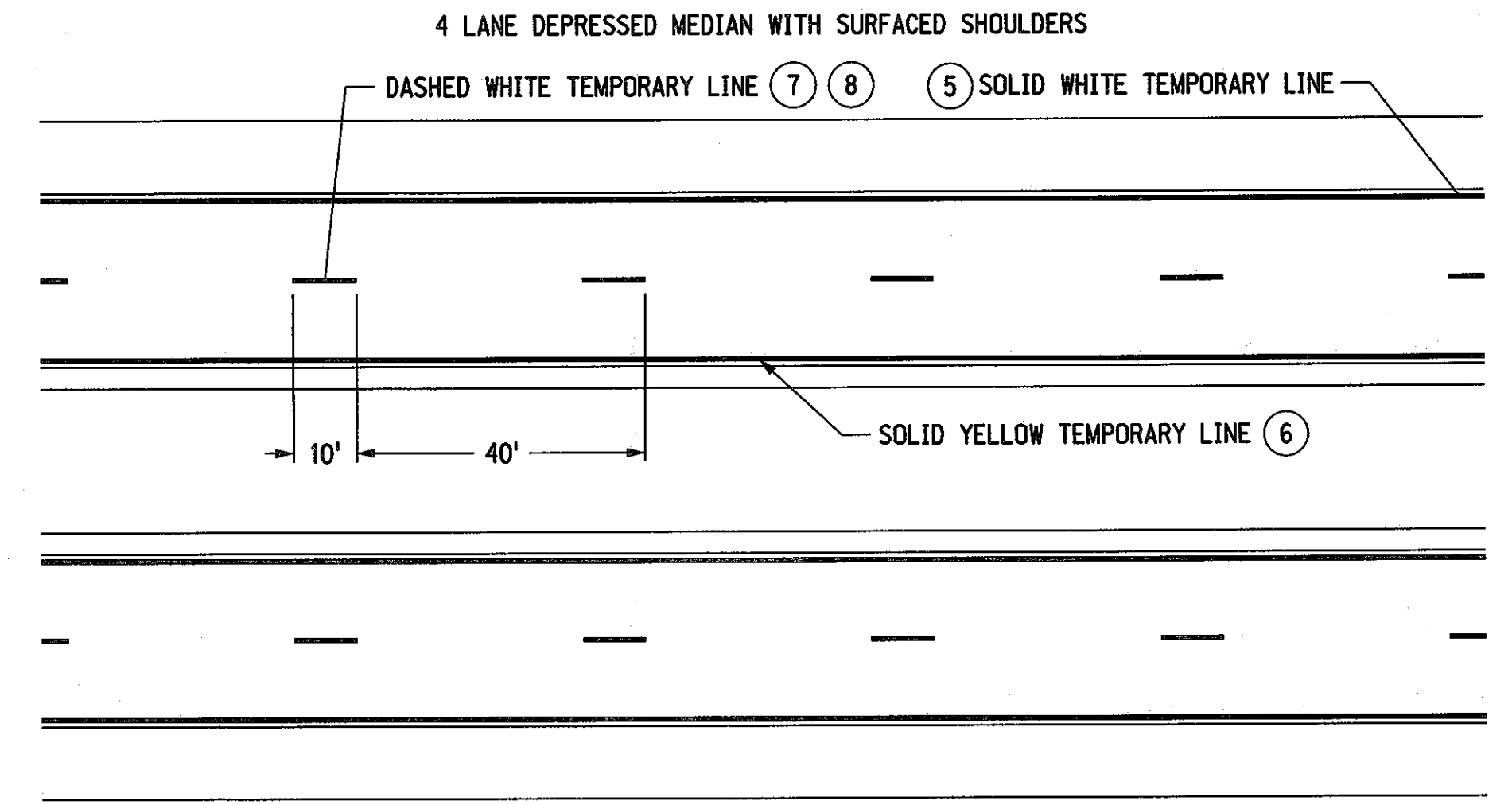
2 LANE ROADWAYS



4 LANE ROADWAYS



FREEWAY/RURAL EXPRESSWAY



NOTES

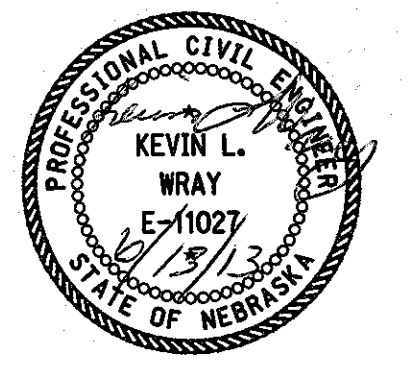
- ① LOWER LAYERS: TEMPORARY DASHED LINE SHALL BE 4" X 10' PAINTED LINE AT 40' INTERVALS OR 4" X 4' TYPE I TAPE LINE AT 40' INTERVALS. TAPE OR PAINT WILL BE SUPPLEMENTED WITH AN OVERLAY MARKER EVERY 80 FEET.
 - OVERLAY MARKERS ARE NOT REQUIRED ON MILLED SURFACES, HYDRATED LIME SURFACES AND STABILIZED 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.

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		
DATE DRAWN 8/06	TRAFFIC ENGINEER	DATE