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STATE OF VERMONT AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT

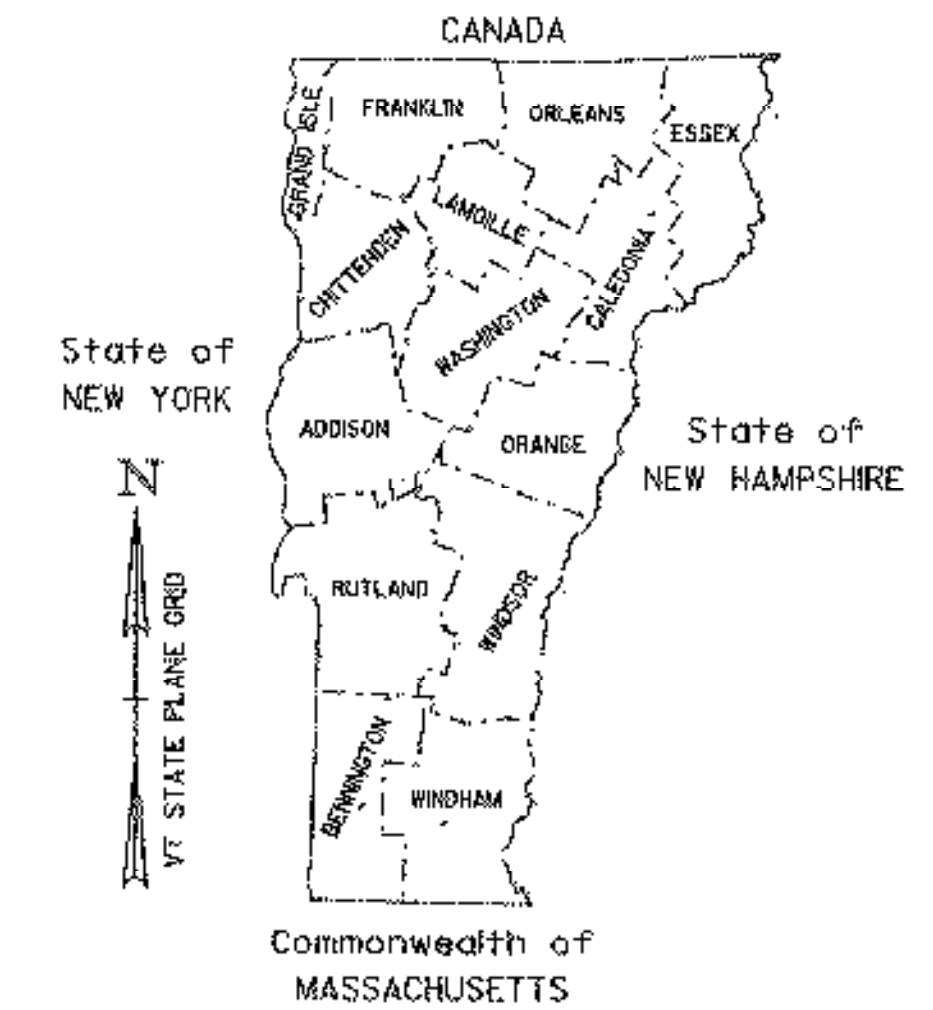
STATEWIDE AC IM RUTF(11) I-89 & I-91 NORTHBOUND & SOUTHBOUND LANES FOR LOCATIONS, SEE PROJECT LOCATION SHEET

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES
CORRECTION OF RUTTED AREAS BY COLD PLANING AND PAVING,
STRIPING, AND APPROPRIATE TRAFFIC CONTROL OF THE EXISTING
INTERSTATE HIGHWAY,

PROJECT LOCATIONS

I-89	I-91
<p>14.715 NB MM 14.70 - 15.70 SHARON</p> <p>16.45 NB MM 16.70 - 18.30 ROYALTON</p> <p>NB MM 20.20 - 21.95 ROYALTON</p> <p>SB MM 11.90 - 17.75 SHARON-ROYALTON</p>	<p>NB MM 65.50 - 66.70 HARTLAND</p> <p>NB MM 68.40 - 70.55 HARTFORD</p> <p>NB MM 72.20 - 73.60 HARTFORD</p> <p>SB MM 69.85 - 70.80 HARTFORD 69.81 - 70.81</p> <p>SB MM 74.10 - 76.30 NORWICH 74.00 - 76.30</p> <p>SB MM 108.1 - 110.0 NEWBURY</p>

PROJECT LENGTH 105 600 L.F. = 20.00 MILES



CONVENTIONAL SIGNS

COUNTY LINE	----
TOWN LINE	-----
LIMITS OF ACCESS	○-----○
POINT OF ACCESS	○-----○ X
FENCE LINE	—x—x—x—
STONE WALL	○○○○○○○○○○
TRAVELED WAY	-----
GUARD RAIL	○-○-○-○-○-○
RAILROAD	+++++
SURVEY LINE	++-----++
CULVERT	-----
POWER POLE	⊕
TELEPHONE POLE	⊕
TREES	⊕ ⊗
CONTROL OF ACCESS	///
PROPERTY LINE	-----
R.O.W. TAKING LINE	----- SR
SLOPE RIGHTS	○-----△
TOP OF CUT	△-----△
TOE OF SLOPE	○-----○

DATUM

VERTICAL	N/A
HORIZONTAL	N/A

RECORD PLANS

CONTRACTOR: PIKE INDUSTRIES - BERLIN, VT

RESIDENT ENGINEER: C. BARKER

CONSTRUCTION BEGAN: SEPTEMBER 6, 2005

CONSTRUCTION COMPLETE:

RECORD PLANS BY: C. BARKER, E. POSTER

I HEREBY CERTIFY THAT ALL THE CONSTRUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.

BY: *[Signature]* RESIDENT ENGINEER

DATE: 01/23/06

NOTE: Any further information concerning final quantities, amounts or other details relative to this project may be found at Central Files in the electronic archives.

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE DIRECTOR OF PROGRAM DEVELOPMENT. CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2001, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JANUARY 4, 2001 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

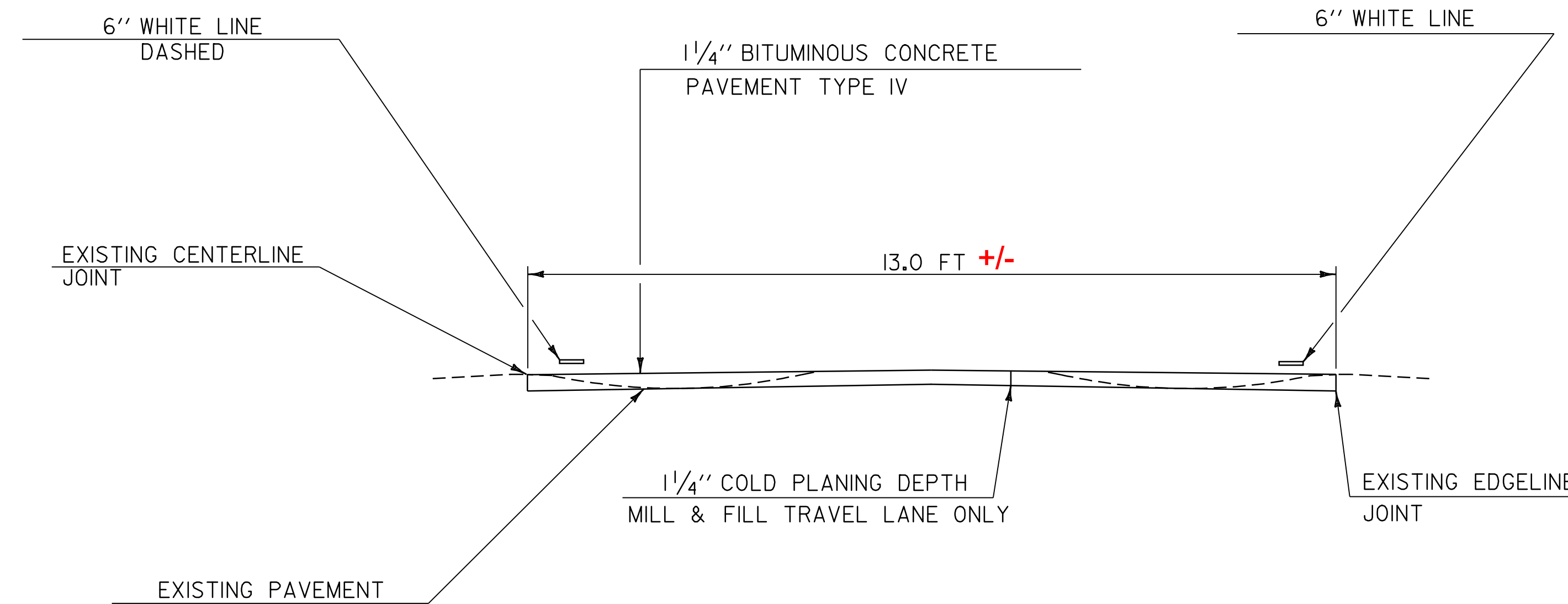
APPROVED *[Signature]* DATE 5-18-06
DIRECTOR OF PROGRAM DEVELOPMENT

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED *[Signature]* DATE 5-27-05
DIVISION ADMINISTRATOR

PROJECT STATEWIDE AC IM RUTF(11)

SHEET 1 OF 7 SHEETS



**PROJECT LOCATIONS—I-89
(TRAVEL LANE ONLY)**

- 14.715 I-89 NB MM 14.70 ~ 15.70--SHARON
- 16.45 I-89 NB MM 16.70 ~ 18.30--ROYALTON
- I-89 NB MM 20.20 ~ 21.95--ROYALTON
- I-89 SB MM 11.90 ~ 17.75--SHARON-ROYALTON

**PROJECT LOCATIONS—I-91
(TRAVEL LANE ONLY)**

- I-91 NB MM 65.50 ~ 66.70--HARTLAND
- I-91 NB MM 68.40 ~ 70.55--HARTFORD
- I-91 NB MM 72.20 ~ 73.60--HARTFORD
- I-91 SB MM ~~69.85 ~ 70.80~~--HARTFORD **69.81 - 70.81**
- I-91 SB MM ~~74.10 ~ 76.30~~--NORWICH **74.00**
- I-91 SB MM 108.1 ~ 110.0--NEWBURY

AN ANALYSIS OF THE WORK ZONE SOUTHBOUND TRAFFIC VOLUMES INDICATE THAT TRAFFIC VOLUMES WILL EXCEED THE HIGHWAY CAPACITY MANUAL RECOMMENDED CAPACITY OF 1550 VEHICLES PER HOUR ON THE SOUTHBOUND PORTION OF I-91 FROM EXITS 10 TO 11 BETWEEN THE HOURS OF 3-5 P.M.

THE CONTRACTOR SHALL RESTRICT WORK THROUGH THIS SECTION SO THAT BOTH SOUTHBOUND TRAVEL LANES ARE OPEN TO TRAFFIC DURING THESE HOURS.

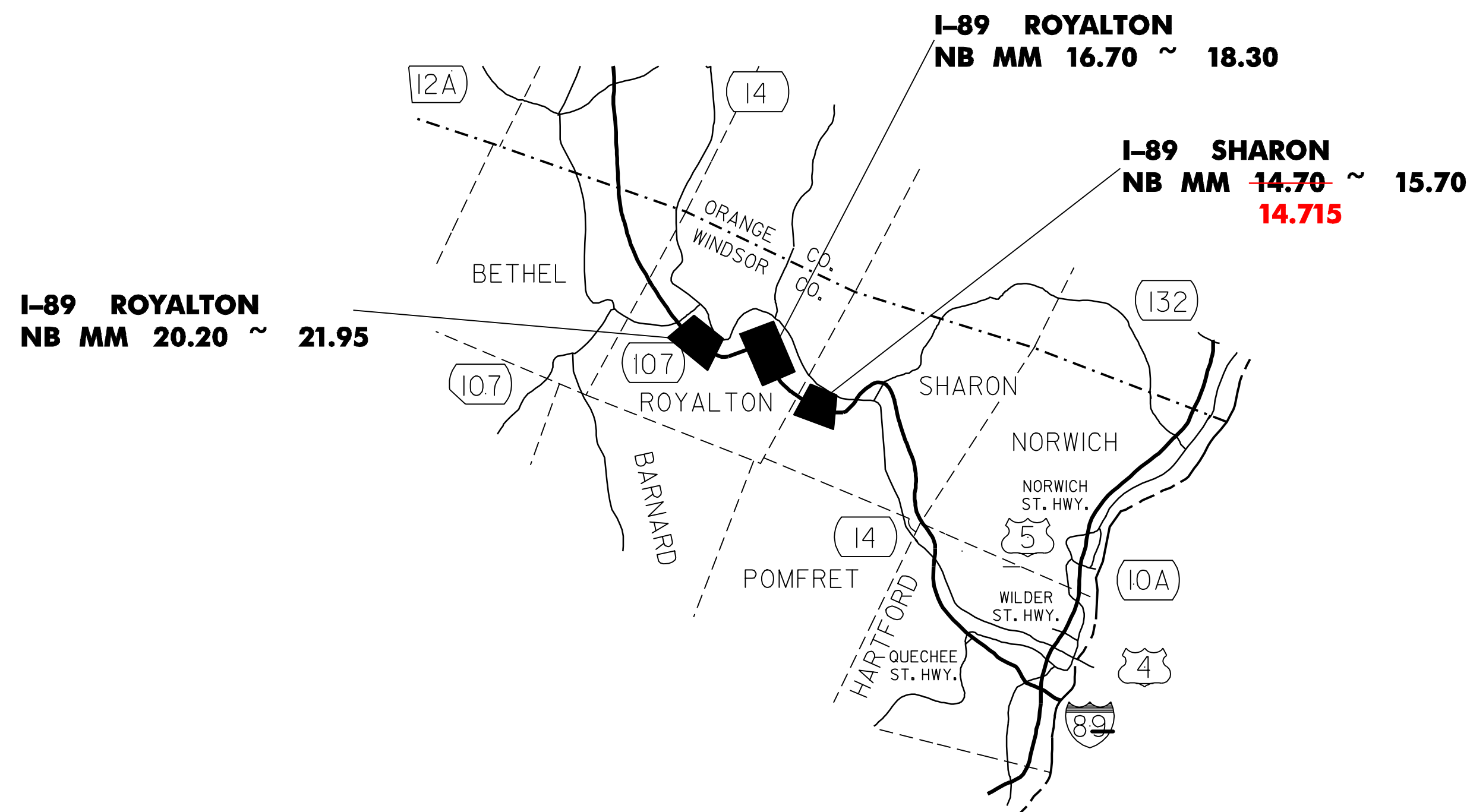
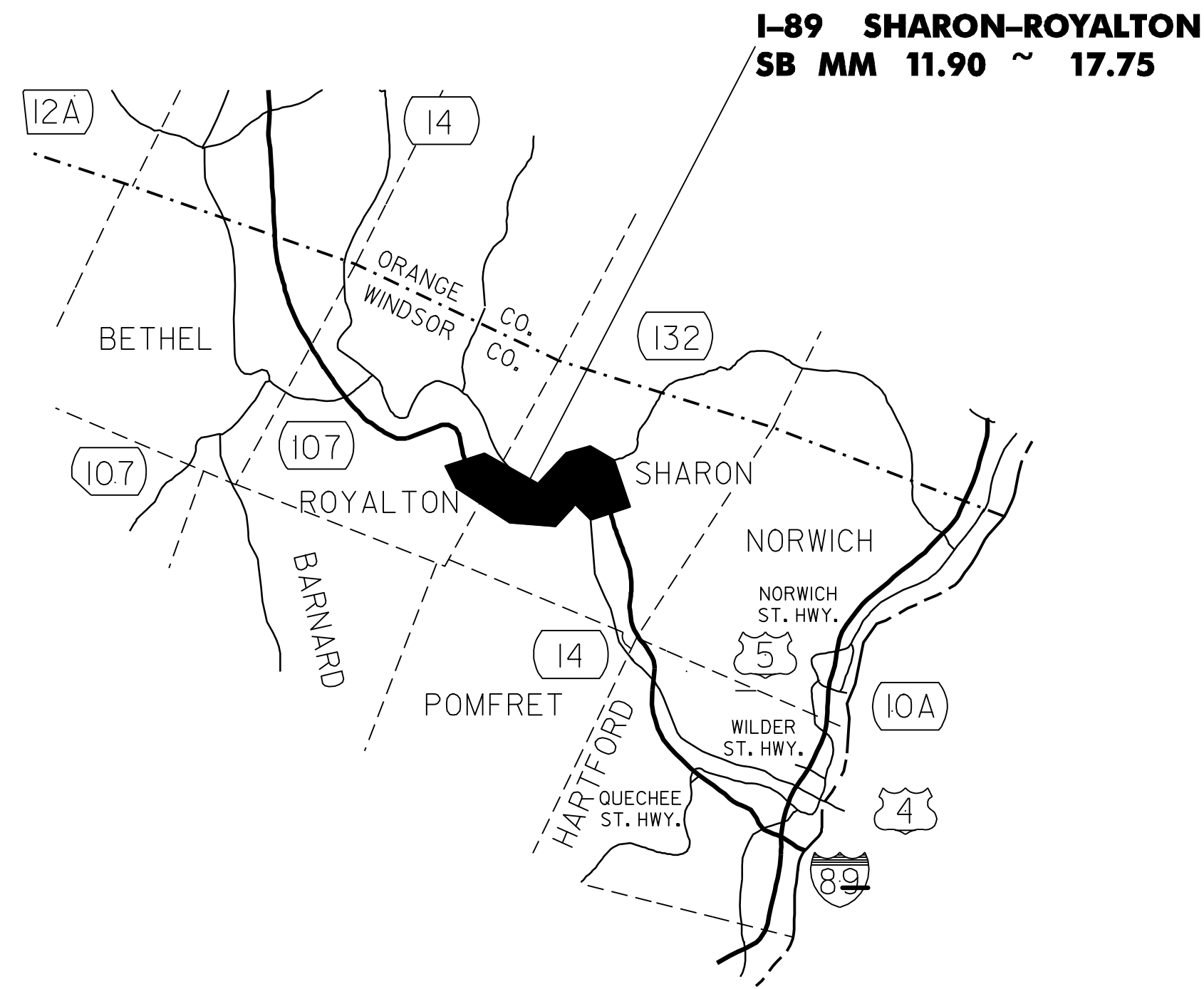
NOTES:

1. THE SINGLE PAVEMENT LIFT WEARING COURSE SHALL BE TYPE IV, ITEM 406.25, AS SHOWN ON THE TYPICALS, UNLESS DIRECTED BY THE RESIDENT ENGINEER. ALL LIQUID ASPHALT USED FOR BITUMINOUS CONCRETE PAVEMENT SHALL BE PG 64-28.
2. EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL COLD PLANED SURFACES AT THE RATE OF 0.015 GAL./S.Y. OR AS DIRECTED BY THE RESIDENT ENGINEER.
3. BITUMINOUS CONCRETE PAVEMENT TOLERANCE = 1/4" +/- (TOTAL THICKNESS).
4. COLD PLANING SHALL BE COMPLETED ACCORDING TO TYPICAL OR AS DIRECTED BY THE RESIDENT ENGINEER.

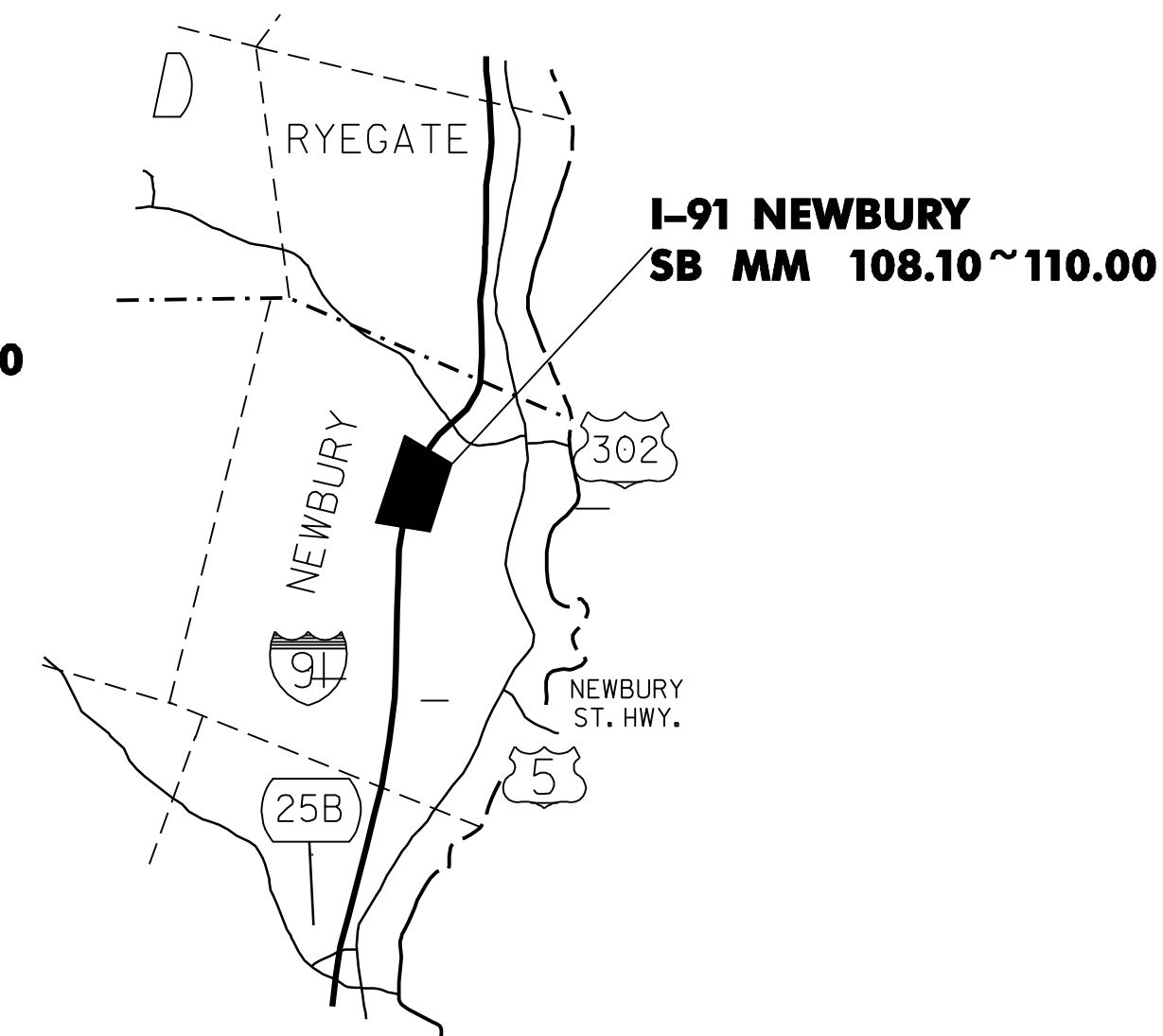
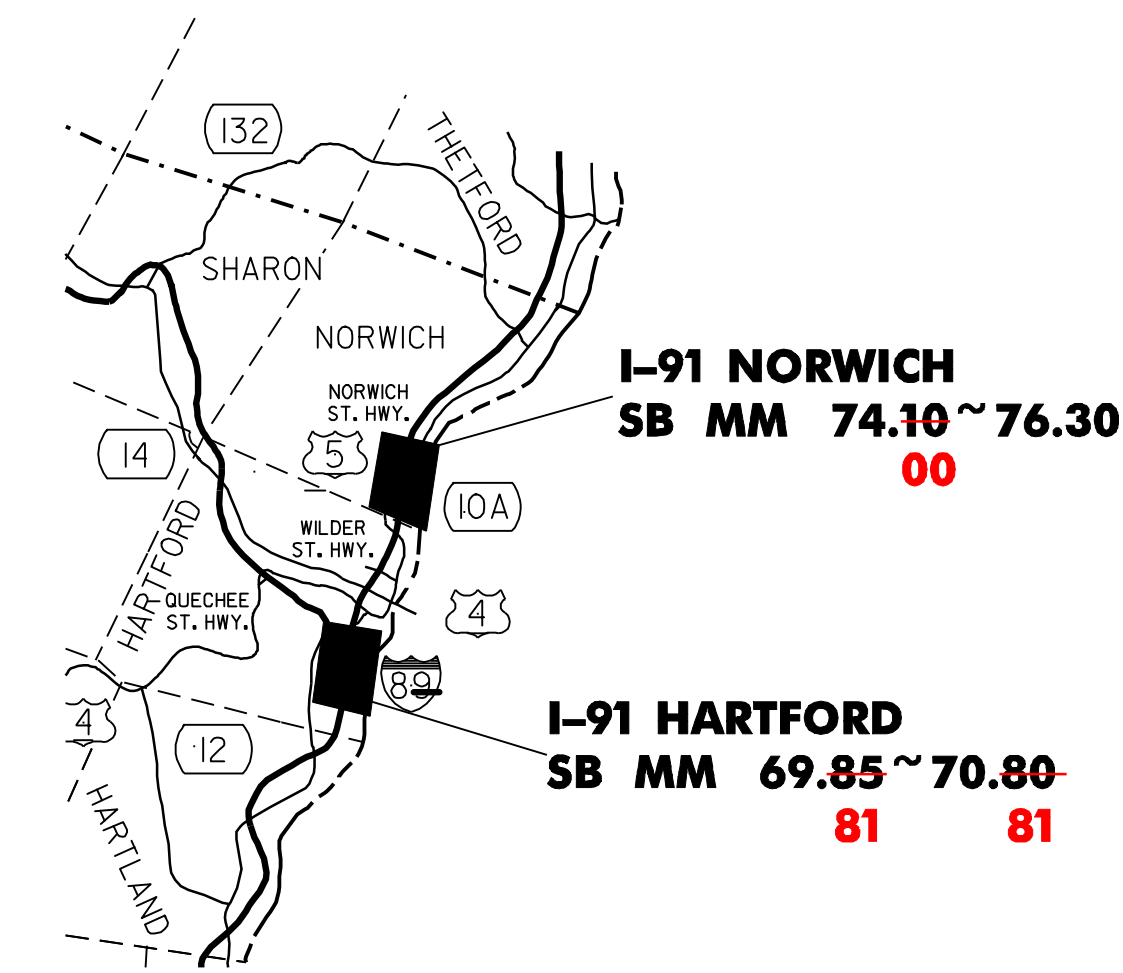
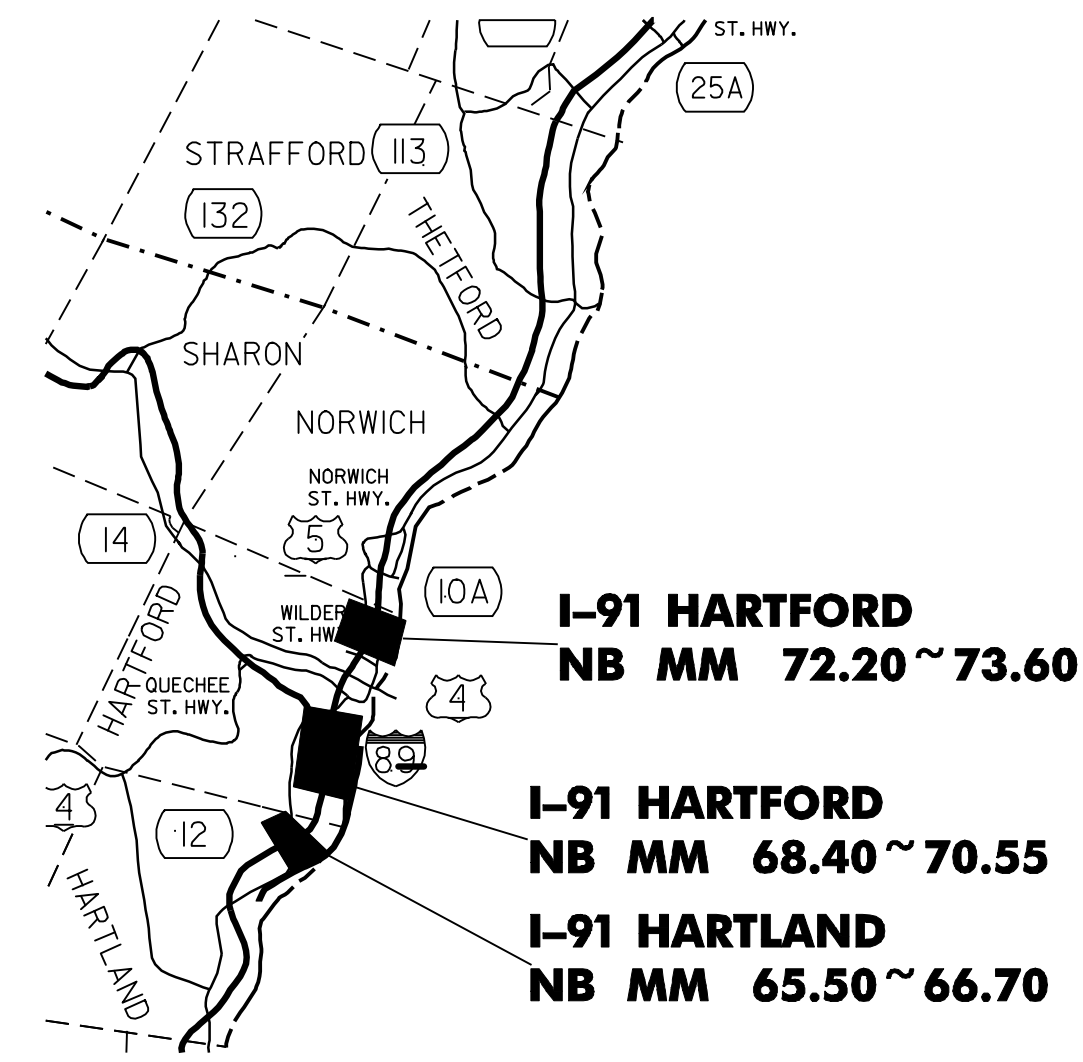
**PROJECT
TYPICAL
SHEET**

PROJECT NAME: STATEWIDE
 PROJECT NUMBER: AC_IM_RUIF(11)
 FILE NAME: Zpqye\05k062\pk062.dgn PLOT DATE: 30-JAN-2006 15:00
 PROJECT LEADER: WOQLAVER DRAWN BY: JLB
 DESIGNED BY: JLR CHECKED BY: JLR
 05k062+y01i SHEET 2 OF 7

I-89 RUTFILL LOCATIONS



I-91 RUTFILL LOCATIONS



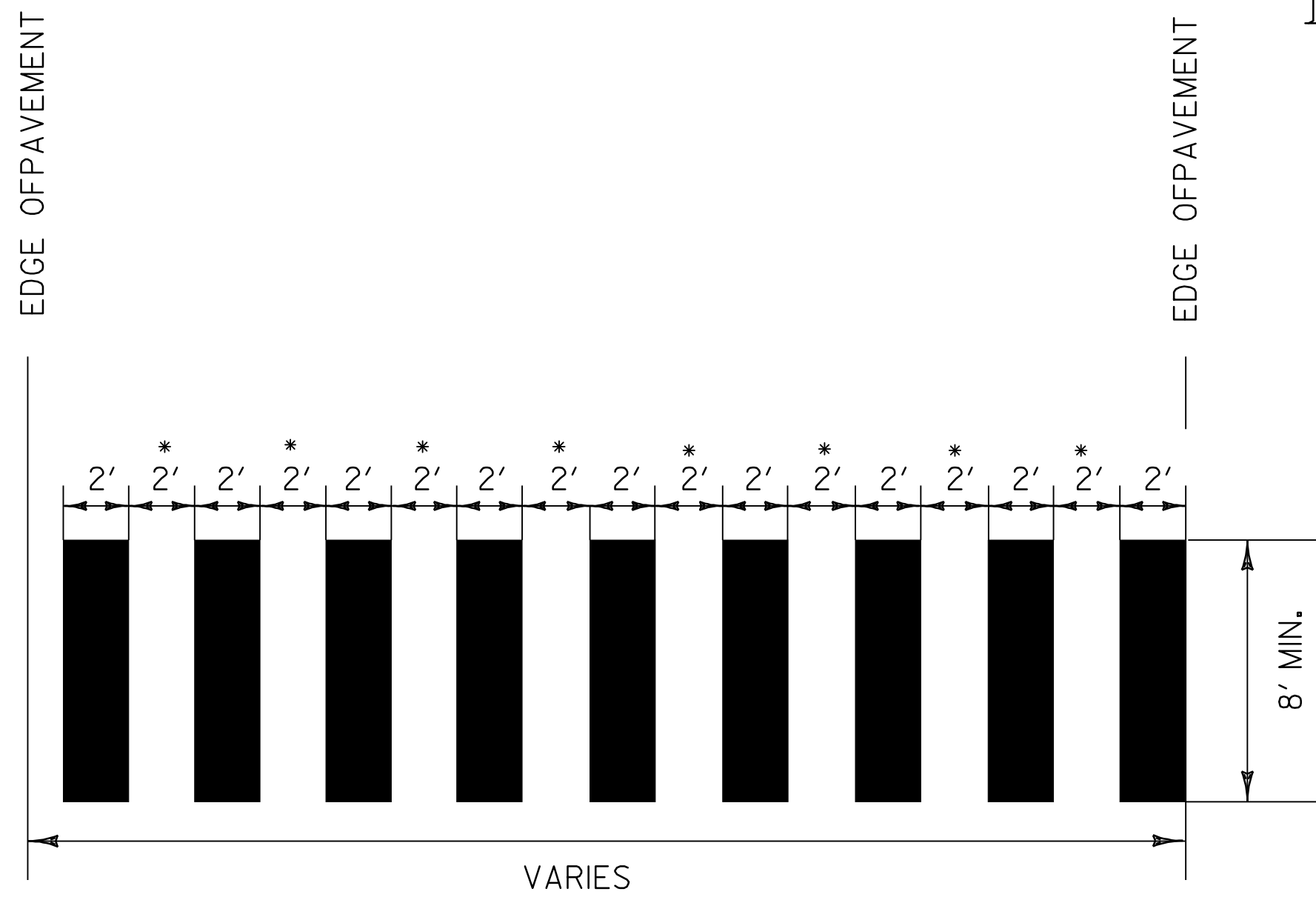
ROUTE	TOWN BEGINNING	MM BEGINNING	TOWN END	MM ENDING	LENGTH (MILES)	LENGTH (FT)	REMARKS
I-89 NB	SHARON	14.70 715	SHARON	15.70	1.00	5 280	MILL 1.25 in, PAVE
	ROYALTON	16.70 45	ROYALTON	18.30	1.60	8 448	MILL 1.25 in, PAVE
	ROYALTON	20.20	ROYALTON	21.95	1.75	9 240	MILL 1.25 in, PAVE
I-89 SB	SHARON	11.90	ROYALTON	17.75	5.85	30 888	MILL 1.25 in, PAVE
I-91 NB	HARTLAND	65.50	HARTLAND	66.70	1.20	6 336	MILL 1.25 in, PAVE
	HARTFORD	68.40	HARTFORD	70.55	2.15	11 352	MILL 1.25 in, PAVE
	HARTFORD	72.20	HARTFORD	73.60	1.40	7 392	MILL 1.25 in, PAVE
I-91 SB	HARTFORD	69.85 81	HARTFORD	70.80 81	0.95	5 016	MILL 1.25 in, PAVE
	NORWICH	74.10 00	NORWICH	76.30	2.20	11 616	MILL 1.25 in, PAVE
	NEWBURY	108.10	NEWBURY	110.00	1.90	10 032	MILL 1.25 in, PAVE
				TOTAL	20.00	105 600	

PROJECT LOCATION SHEET

PROJECT NAME: STATEWIDE
 PROJECT NUMBER: AC_IM_RUTF(II)
 FILE NAME: Z:\pave\05k062\pk062.dgn
 PROJECT LEADER: WOOLAVER
 DESIGNED BY: JLR
 PLOT DATE: 30-JAN-2006 15:00
 DRAWN BY: JLR
 CHECKED BY: JLR
 SHEET 4 OF 7

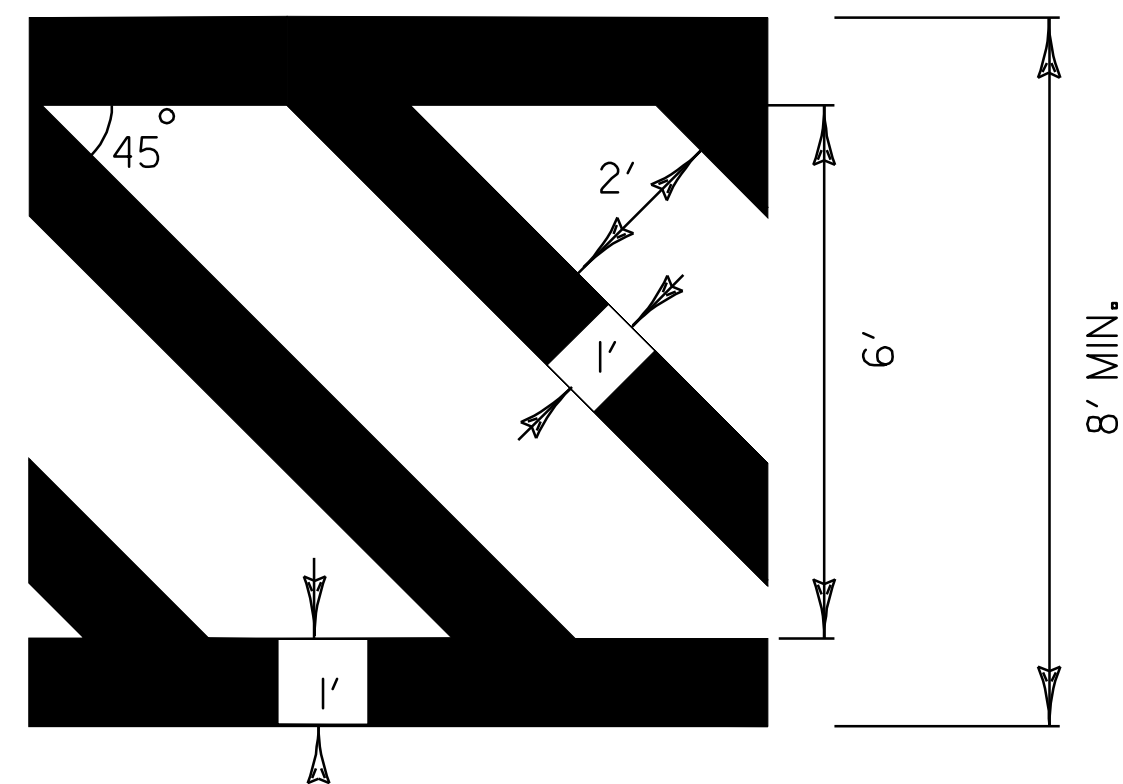
INTERSTATE TYPICAL PAVEMENT MARKINGS

NOT TO SCALE

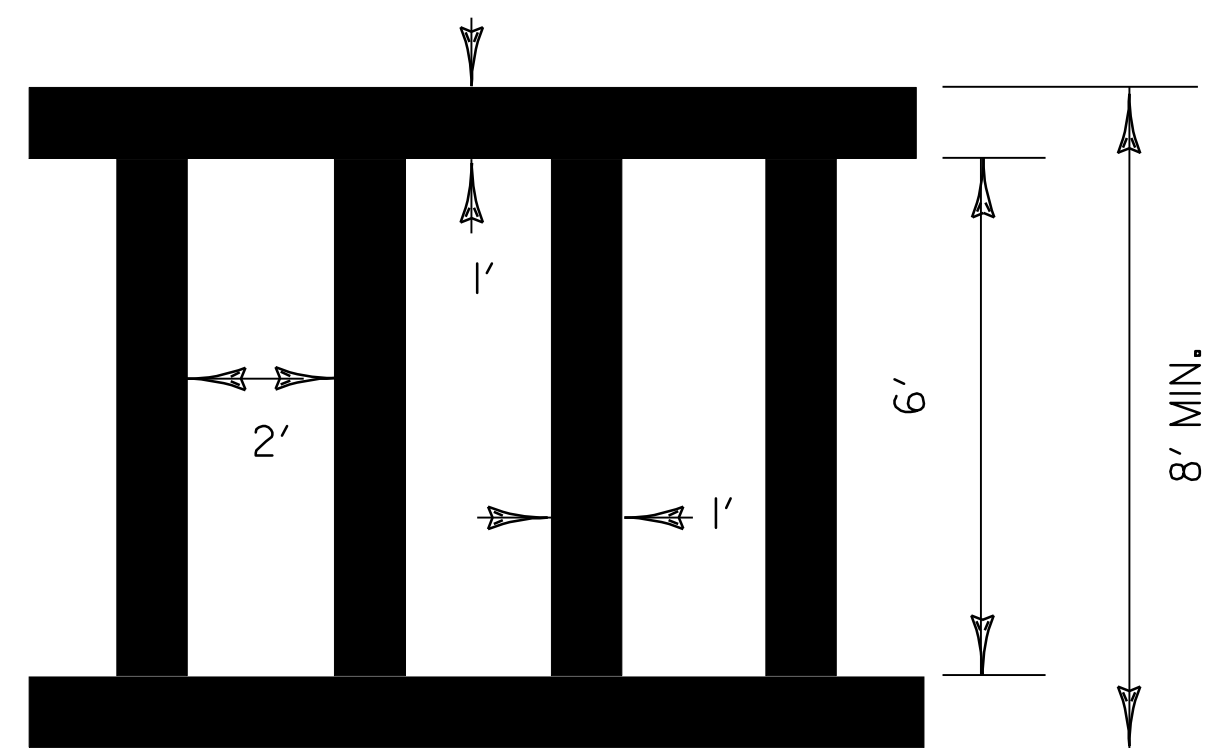


* ADJUST SPACING (12"-24") TO AVOID WHEEL PATHS

BLOCK PATTERN CROSSWALK DETAIL

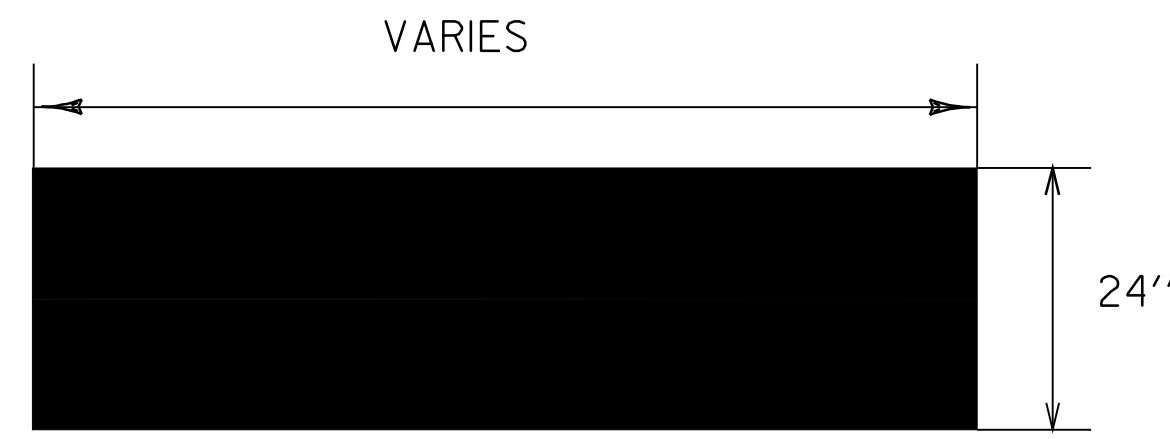


DIAGONAL PATTERN CROSSWALK DETAILS

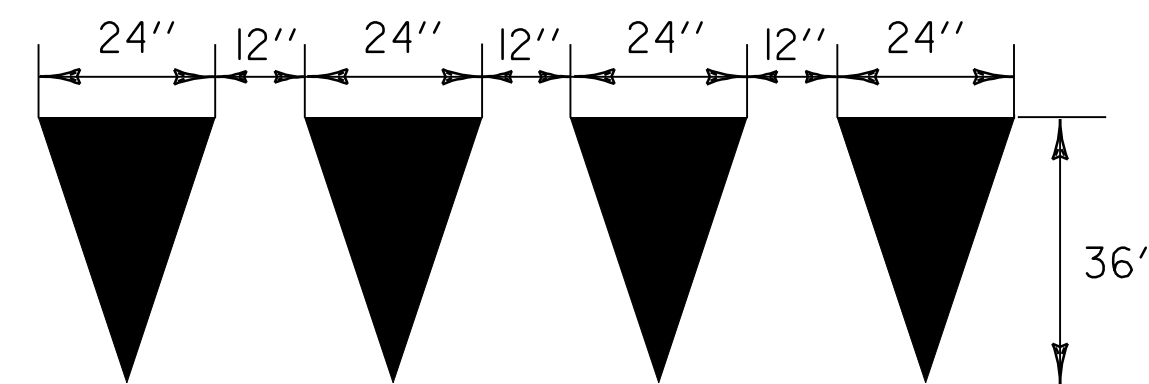


LADDER PATTERN CROSSWALK DETAILS

NOTE: REPAINT WHICHEVER PATTERN IS FOUND IN THE FIELD

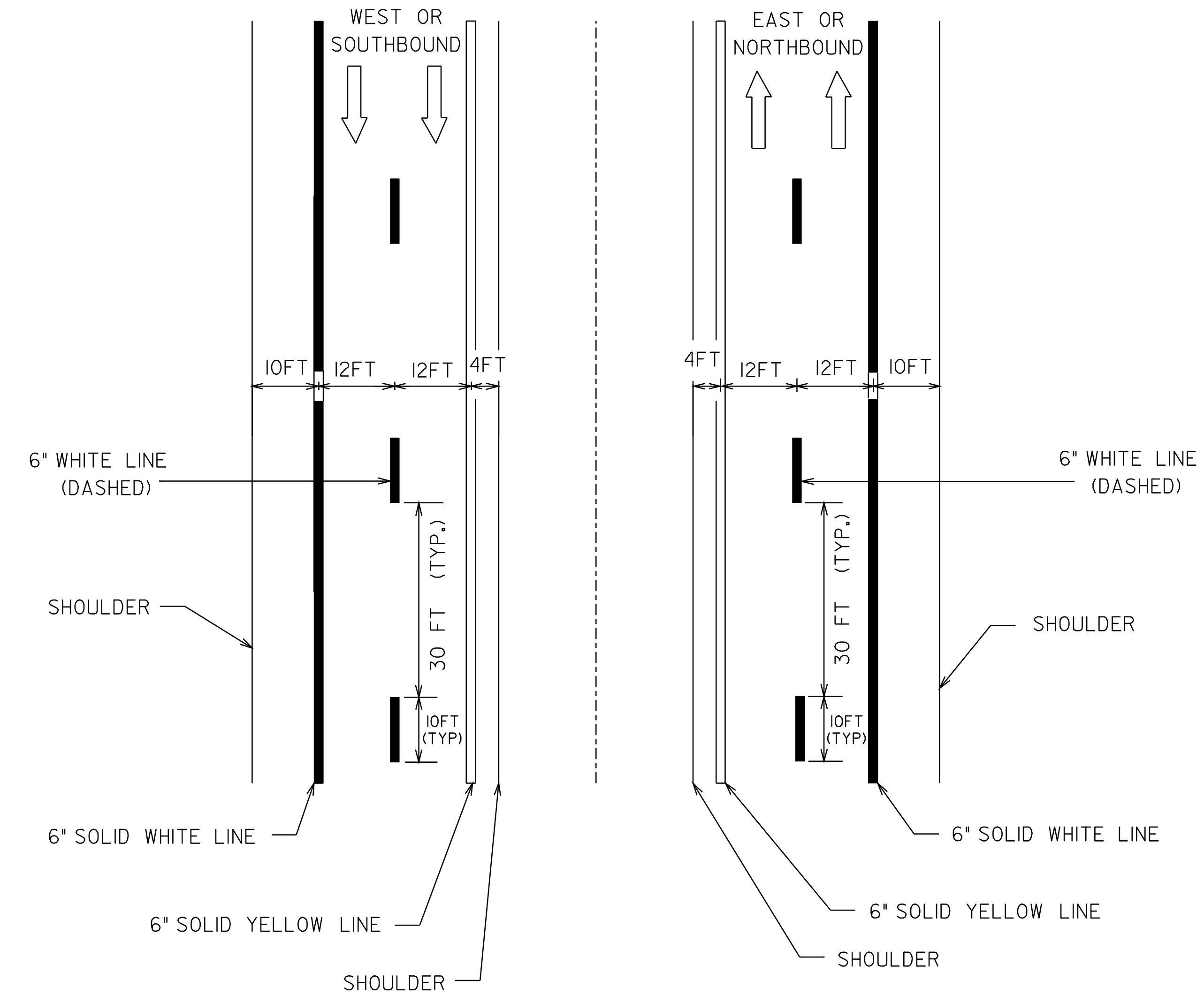


STOP BAR DETAIL

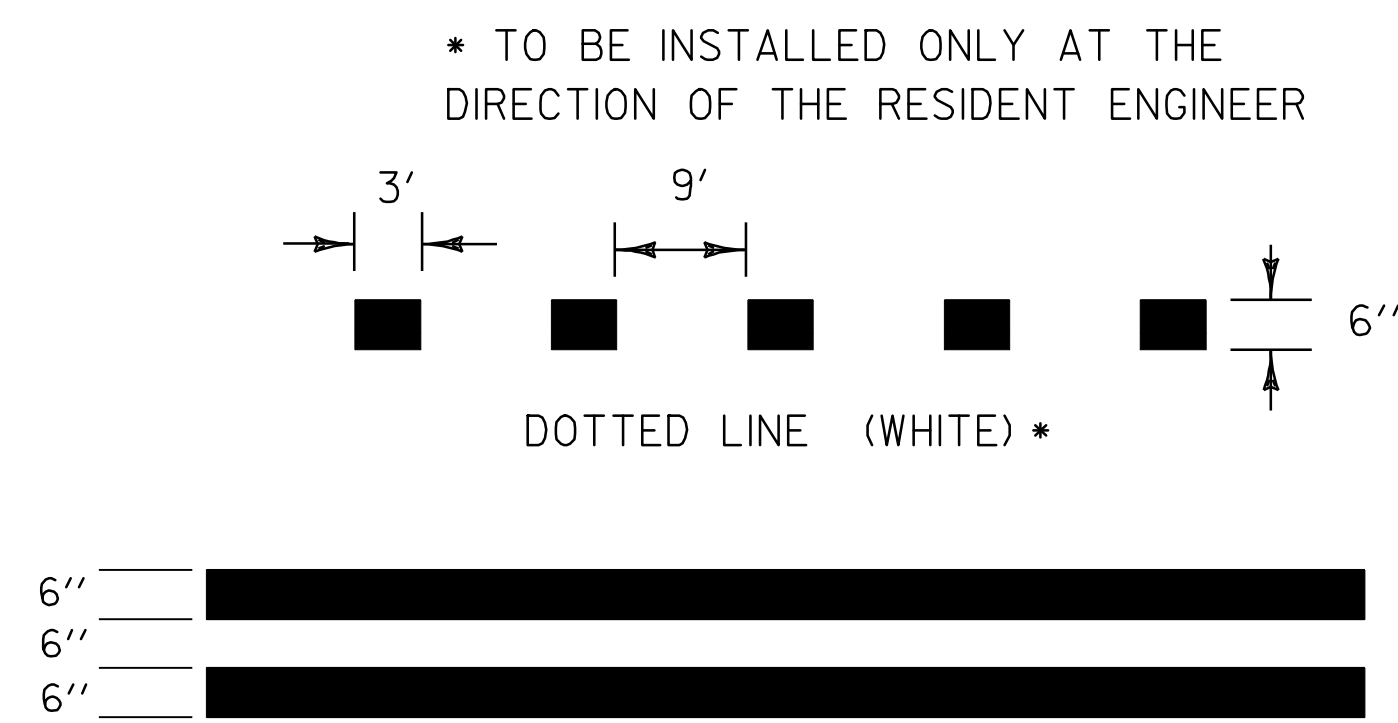


YIELD LINE DETAILS

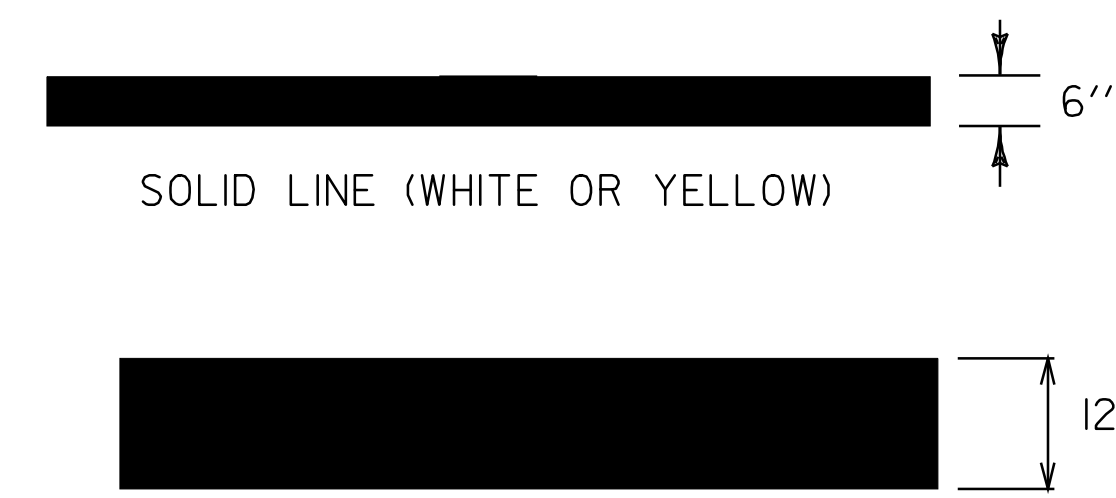
TO BE INSTALLED ONLY AT THE DIRECTION OF THE RESIDENT ENGINEER
TO BE PAID AS ONE LETTER OR SYMBOL PER TRIANGLE



TYPICAL MAINLINE MARKING PLAN


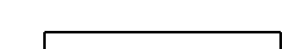
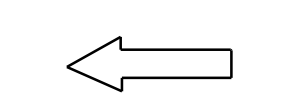


TYPICAL TWO-WAY RAMP CENTERLINE MARKING



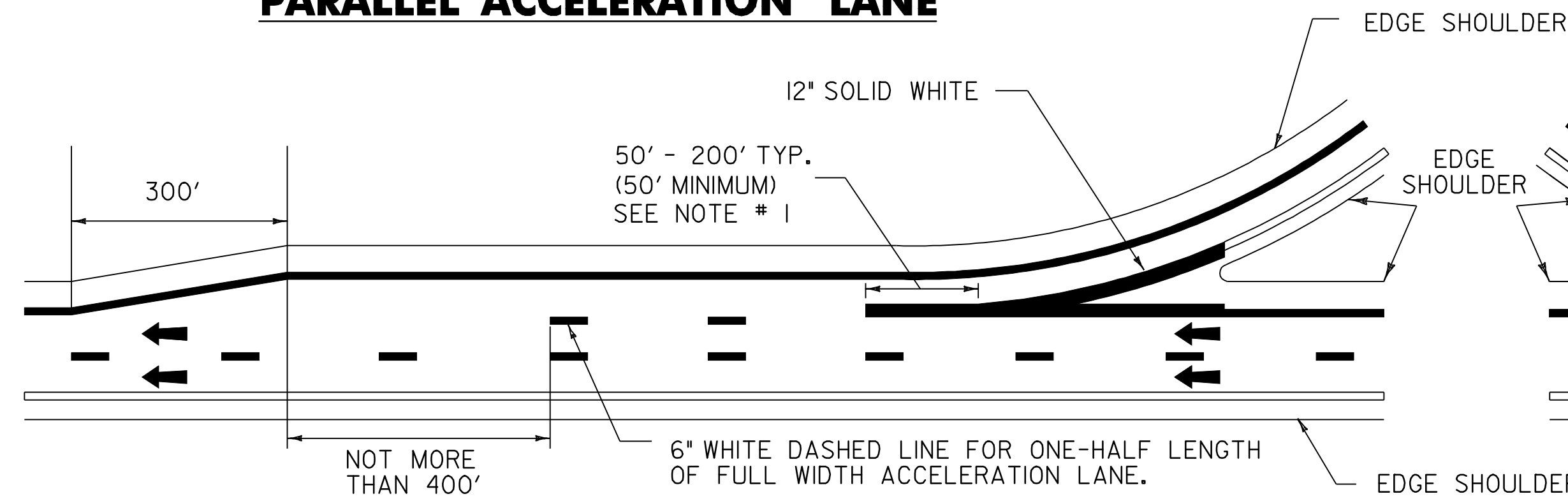
PAVEMENT MARKING LINE DETAILS

LEGEND

-  6" WHITE LINES
-  6" YELLOW LINES
-  DIRECTION OF TRAFFIC FLOW

INTERSTATE TYPICAL PAVEMENT MARKINGS

PARALLEL ACCELERATION LANE

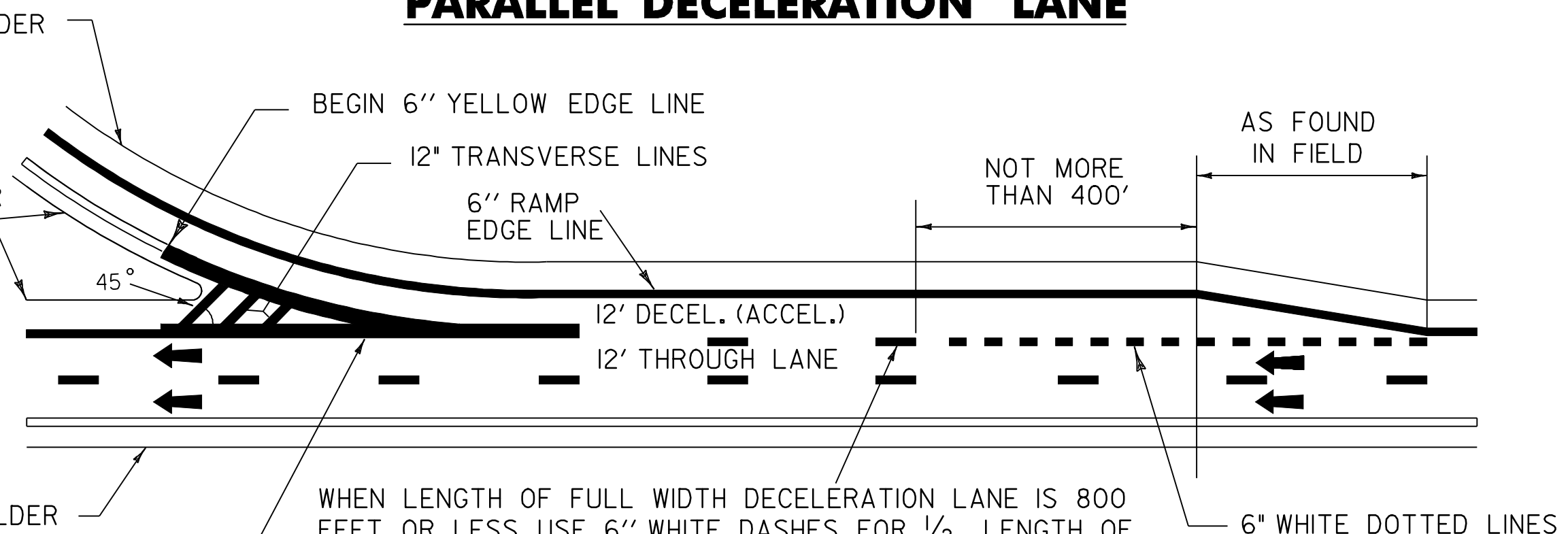


WHEN LENGTH OF FULL WIDTH ACCELERATION LANE IS 800 FEET OR LESS, USE 6" WHITE DASHES FOR 1/2 LENGTH OF FULL WIDTH

WHEN LENGTH OF FULL WIDTH ACCELERATION LANE IS GREATER THAN 800 FEET, USE 6" WHITE DASHES LEAVING ONLY THE 400' OPENING PLUS TAPER UNMARKED.

NOTE
EDGE LINES TO BE PAINTED TO THE CONNECTION OF THE EDGE LINE (OR TRAVEL LANE WHERE THERE IS NO EDGE LINE) ON THE CROSS ROAD AT THE RAMP TERMINALS. STOP BARS AND WORD MARKINGS ARE INCLUDED.

PARALLEL DECELERATION LANE



WHEN LENGTH OF FULL WIDTH DECELERATION LANE IS 800 FEET OR LESS, USE 6" WHITE DASHES FOR 1/2 LENGTH OF FULL WIDTH TAPER.

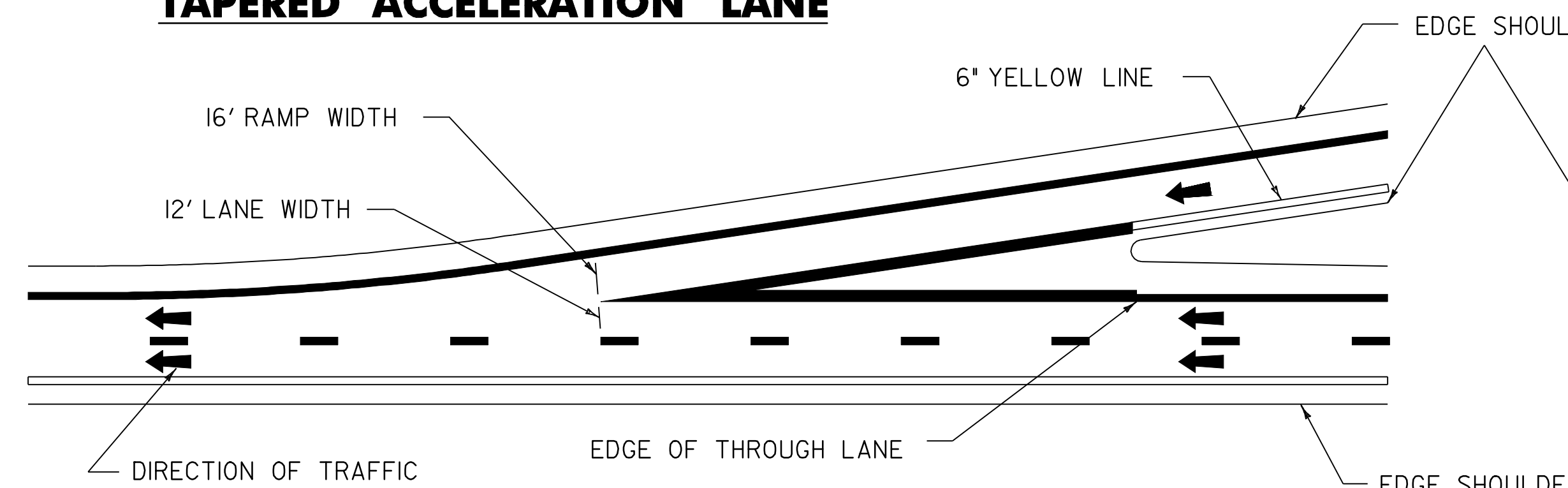
WHEN LENGTH OF FULL WIDTH DECELERATION LANE IS GREATER THAN 800 FEET, USE 6" WHITE DASHED LINE WITH 6" WHITE DOTTED LINE FOR ONLY 400' PLUS TAPER.

ACTUAL LOCATION OF 12" GORE MARKING TRANSITION CURVE MUST BE OFFSET FROM THE THEORETICAL RAMP EXTENSION LINE TO PROVIDE A VISUALLY SMOOTH RAMP ENTRANCE.

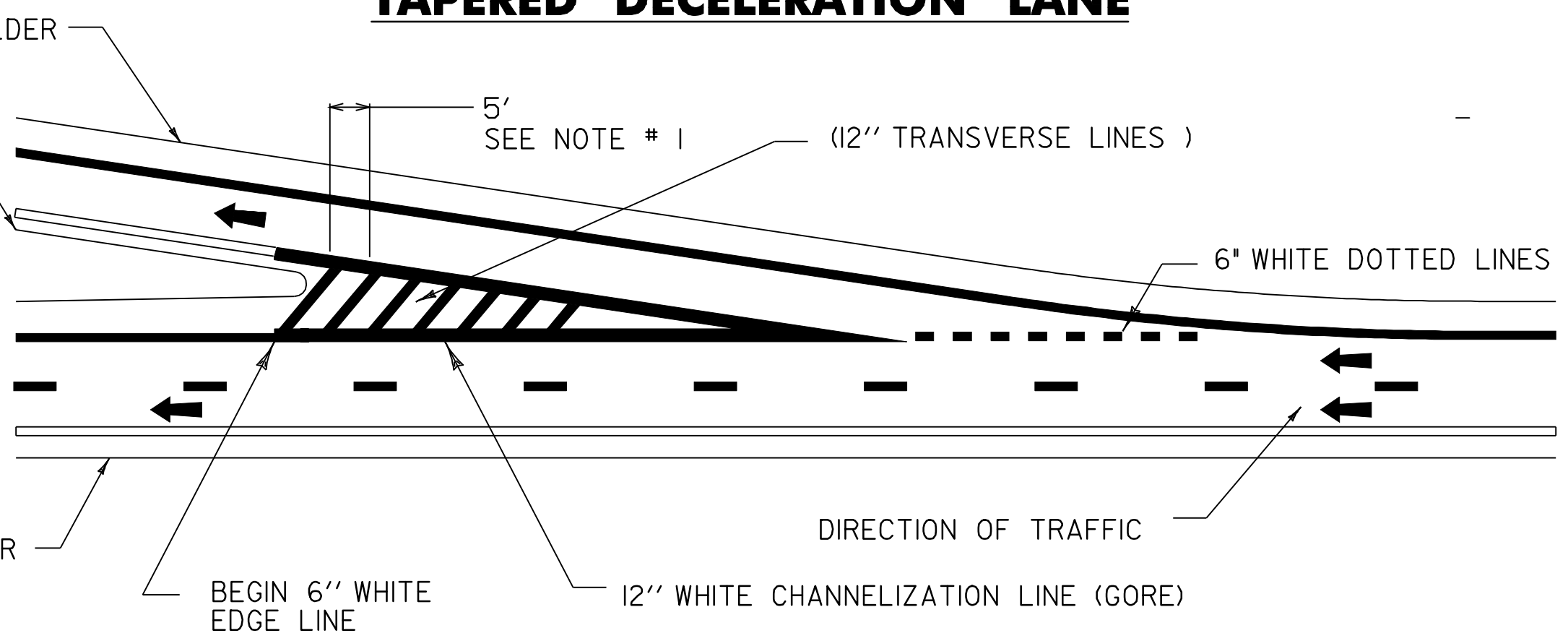
NOTES

1. MATCH EXISTING DIMENSIONS UNLESS NONE ARE PRESENT
2. TRANSVERSE LINES SHALL CONSIST OF 12" WHITE LINES SPACED 14'-0" C-C AND SET AT 45 TO MAIN LINE EDGE LINES. THESE MARKINGS SHALL BE USED TO INCREASE VISIBILITY DUE TO DIFFICULT VERTICAL OR HORIZONTAL ALIGNMENT, AS DIRECTED BY THE RESIDENT ENGINEER.
3. DASH PATTERNS WILL BE MODIFIED IN THE FIELD TO OVERLAY EXISTING DASHES WHERE PRESENT.
4. 12" WHITE TRANSVERSE LINES WILL SUPERCEDE 8" WHITE LINES

TAPERED ACCELERATION LANE

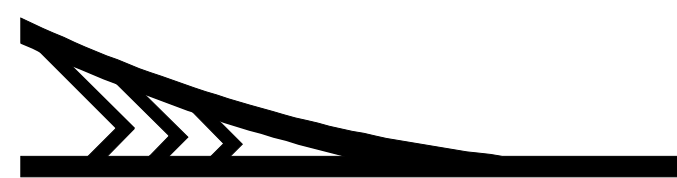


TAPERED DECELERATION LANE



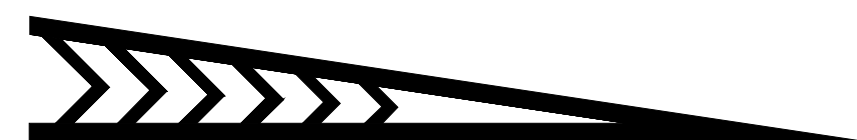
LEGEND

- 6" WHITE LINES
- 6" YELLOW LINES
- 12" CHANNELIZATION LINES
- DIRECTION OF TRAFFIC FLOW



ALTERNATE PATTERN GORE MARKING

NOT TO SCALE



ALTERNATE PATTERN GORE MARKING

NOT TO SCALE

PROJECT NAME: STATEWIDE	
PROJECT NUMBER: AC_IM_RUIE(II)	
FILE NAME: \pave\05k028\pa062.dgn	PLOT DATE: 30-JAN-2006 15:00
GENERIC PAVEMENT MARKING DETAILS	
d05k062d+04.i	SHEET 7 OF 7