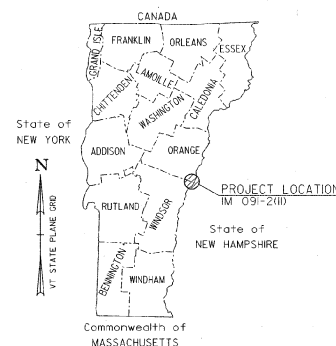


STATE OF VERMONT
AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT
TOWNS OF NORWICH, THETFORD,
FAIRLEE & BRADFORD
COUNTIES OF WINDSOR
& ORANGE
INTERSTATE ROUTE 91

BEGINNING AT STATION 123+012.00 (MM 76.436) ON THE SOUTHBOUND LANE IN THE TOWN OF NORWICH AND EXTENDING NORTHERLY ALONG INTERSTATE 91 A DISTANCE OF 35,395.73 METERS (21,994 MILES) TO STATION 158+407.73 (MM 98.430) ON THE SOUTHBOUND LANE IN THE TOWN OF BRADFORD.



INDEX OF SHEETS

- 1 TITLE SHEET
- 2-3 TYPICAL SHEET
- 4-5 QUANTITY SHEET
- 6 PAVING PROJECT LAYOUT SHEET
- 7-3 RAMP DETAIL SHEETS
- 10 CONSTRUCTION APPROACH SIGNING

STANDARDS

- D-15 PRECAST REINF CONC CB W/ CI GRATE
PRECAST REINF MH W/ CI COVER
CI GRATE W/ FRAME, TYPES D & E 06/01/94
- D-16 PRECAST CURB DI W/GRATE,
CI GRATE, TYPES B & C 06/01/94
- E-10 TRAFFIC SIGNS, MINOR MAINTENANCE OPERATION
APPROACH SIGNS 08/08/95
- E-100 CONSTRUCTION APPROACH SIGNS 01/06/97
- E-101 CONSTRUCTION SIGN DETAILS 03/10/97
- E-102 CONSTRUCTION SIGN DETAILS 08/08/95
- E-102A CONSTRUCTION SIGN DETAILS 08/08/95
- E-103 MAINLINE TRAFFIC CONTROL
DIVIDED HIGHWAY ONE LANE CLOSED 08/08/95
- E-105 TRAFFIC CONTROL FOR CONSTRUCTION VEHICLE
U-TURNS ON DIVIDED HIGHWAY 08/08/95
- E-106 TRAFFIC CONTROL - MISCELLANEOUS DETAILS 08/08/95
- E-107 DELINEATION, BARRICADES AND DETOURS FOR
CONSTRUCTION AREAS 08/08/95
- E-107A BREAKAWAY BARRICADE DETAILS 08/08/95
- E-108 CONSTRUCTION ZONE LONGITUDINAL DROP-OFFS 08/18/95
- E-110 MAJOR MAINTENANCE OPERATION LANE CLOSURE 08/08/95
- E-120 STANDARD SIGN PLACEMENT - EXPRESSWAY & FREEWAY 08/08/95
- E-121 STANDARD SIGN PLACEMENT CONVENTIONAL ROAD 08/08/95
- E-191 PAVEMENT MARKING DETAILS 08/18/95
- E-192 PAVEMENT MARKING DETAILS 08/18/95
- E-193 PAVEMENT MARKING DETAILS 08/18/95

BITUMINOUS CONCRETE PAVEMENT SUPERPAVE MIXTURE DESIGN CRITERIA	
DESIGN LANE/DESIGN LIFE ESAL	3,904,000
DESIGN NUMBER OF GYRATIONS	96
PERFORMANCE GRADED ASPHALT BINDER	PG 58-34

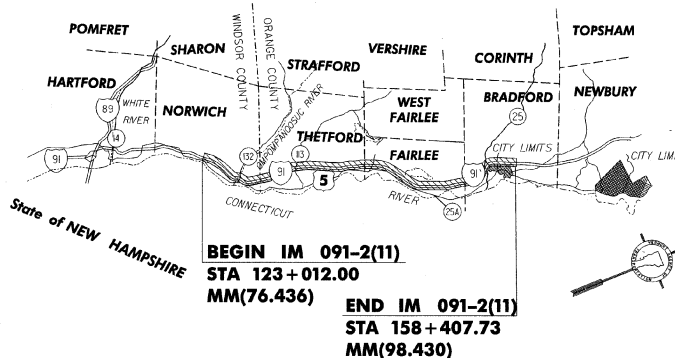
PROJECT DATA

FROM	TO
STA 123+012.00 (MM 76.436)	STA 158+407.73 (MM 98.430)
LENGTH OF ROADWAY	35 395.73 METERS (21.994 MILES)
LENGTH OF PROJECT	35 395.73 METERS (21.994 MILES)

TRAFFIC DATA

BETWEEN EXITS 13 & 14	
1998 ADT	= 5210
1998 DHV	= 616
2008 ADT	= 6670
2008 DHV	= 666
1998-2008 ESALS	= 3,904,000
BETWEEN EXITS 14 & 15	
1998 ADT	= 4300
1998 DHV	= 540
2008 ADT	= 4610
2008 DHV	= 690
1998-2008 ESALS	= 3,223,000
BETWEEN EXITS 15 & 16	
1998 ADT	= 3250
1998 DHV	= 405
2008 ADT	= 4170
2008 DHV	= 520
1998-2008 ESALS	= 3,711,000

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES COLD PLANING AND RESURFACING OF THE SOUTHBOUND LANE AND ALL SOUTHBOUND INTERCHANGE RAMP'S WITH A LEVELING COURSE, WEARING COURSE, AND NEW PAVEMENT MARKINGS.



RECORD PLANS

CONTRACTOR: Pipe Industries, Berlin VT
RESIDENT ENGINEER: W. Stoddard
CONSTRUCTION BEGAN: July 29, 1998
CONSTRUCTION COMPLETE: May 14, 1999

I HEREBY CERTIFY THAT ALL THE CONSTRUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.
BY: Mark W. Stoddard RESIDENT ENGINEER
DATE: Jan 31, 2001

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

UNLESS OTHERWISE INDICATED, THE DRAWINGS AND DETAILS OF THESE PLANS ARE NOT TO SCALE.

DATUM
VERTICAL: N/A
HORIZONTAL: N/A
HORIZONTAL CONTROL (STATIONS)
WAS SET BY HOLDING THE ROUTE LOG STATIONING AT PROJECT CONTROL POINTS.

CONVENTIONAL SIGNS

- COUNTY LINE ---
- TOWN LINE ---
- LIMITS OF ACCESS ---
- POINT OF ACCESS ---
- FENCE LINE ---
- STONE WALL ---
- TRAVELED WAY ---
- GUARDRAIL ---
- RAILROAD ---
- SURVEY LINE ---
- CULVERT ---
- POWER POLE ---
- TELEPHONE POLE ---
- TREES ---
- CONTROL OF ACCESS ---
- PROPERTY LINE ---
- R.O.N. TAKING LINE ---
- SLOPE RIGHTS ---
- TOP OF CUT ---
- TOE OF SLOPE ---

METRIC PLANS
PREPARED BY:



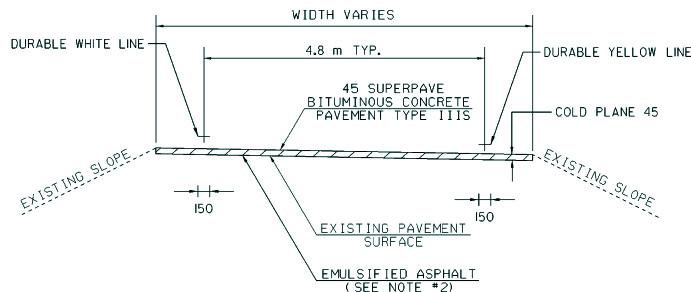
Archived
On CADD

Metric

RIGHT-OF-WAY LIMITS, IF APPLICABLE, ARE PROVIDED SOLELY FOR THE CONVENIENCE OF THE STATE AND ITS CONTRACTOR DURING THE COURSE OF THIS PAVING PROJECT. ANY REFERENCES TO OFFSETS ON THESE PLANS ARE APPROXIMATE AND SHOULD NOT BE RELIED UPON FOR ANY OTHER PURPOSES.

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE CHIEF ENGINEER. CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 1995, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON AUGUST 21, 1995 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

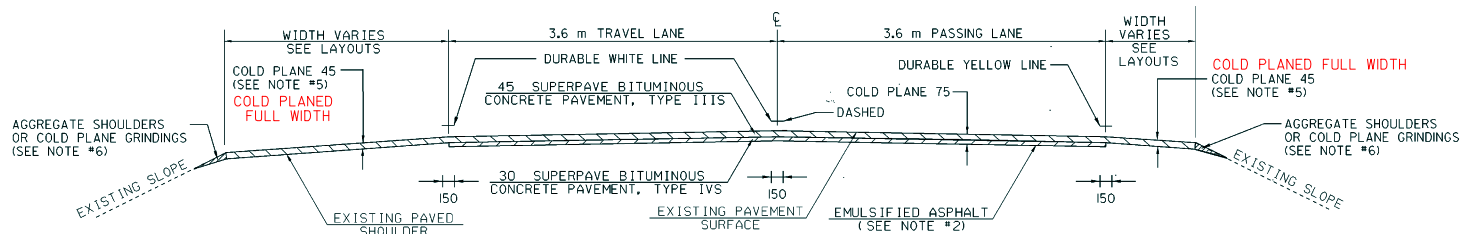
APPROVED: <u>Samuel J. DeCade</u> DATE: <u>1/31/01</u> DIRECTOR OF CONSTRUCTION AND MAINTENANCE
DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION
APPROVED: <u>Mark D. Miller</u> DATE: <u>08-07-98</u> DIVISION ADMINISTRATOR
PROJECT: NORWICH-BRADFORD (M 091-2(1))
SHEET 1 OF 10 SHEETS



RAMP PAVEMENT TYPICAL

LOCATION

- EXIT 14 ON & OFF RAMP - SEE SHEET # 7 FOR DETAILS
- EXIT 15 ON & OFF RAMP - SEE SHEET # 8 FOR DETAILS
- EXIT 16 ON & OFF RAMP - SEE SHEET # 9 FOR DETAILS

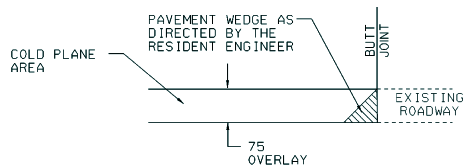


MAINLINE TYPICAL SECTION

STA 123+012 TO STA 158+408

NOTES

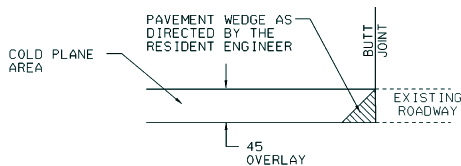
1. THE PAVEMENT WEARING COURSE SHALL BE TYPE IIIS, ALL LIQUID ASPHALT USED IN BITUMINOUS CONCRETE PAVEMENT SHALL BE PG 58-34.
2. EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL EXISTING PAVEMENT SURFACES, ON COLD PLANED SURFACES AND BETWEEN ALL COURSES OF PAVEMENT AT THE RATE OF 0.07 L/m² OR AS DIRECTED BY THE RESIDENT ENGINEER.
3. BITUMINOUS CONCRETE PAVEMENT TOLERANCE = 5 mm +/- (TOTAL THICKNESS EXCLUDING LEVELING COURSE).
4. COLD PLANING SHALL BE COMPLETED ACCORDING TO TYPICAL OR AS DENOTED OTHERWISE ON THE PLANS.
5. COLD PLANE SHOULDERS 45 mm OR AS DIRECTED TO ACHIEVE FULL WIDTH 45 mm TYPE IIIS WEARING COURSE, TWENTY-FIVE PERCENT (25%) OF THE SHOULDER SURFACE AREAS HAS BEEN USED FOR THIS ESTIMATE. COLD PLANED FULL WIDTH
6. AGGREGATE SHOULDERS OR COLD PLANE GRINDINGS SHALL BE USED TO BACK UP THE EDGE OF PAVEMENT. A QUANTITY OF 22 TONS PER KILOMETER OF SHOULDER HAS BEEN USED FOR THIS ESTIMATE.



MAINLINE APPROACH AREA DETAIL

LOCATION

- STA 122+905 - BEGIN COLD PLANING
- STA 123+012 - END COLD PLANING
- STA 158+408 - END COLD PLANING
- STA 158+409



RAMP APPROACH AREA DETAIL

LOCATION

- EXIT 14 - END OF ON & OFF RAMP (Ø PAVEMENT MATCH)
- EXIT 15 - END OF ON & OFF RAMP (Ø PAVEMENT MATCH)
- EXIT 16 - END OF ON & OFF RAMP (Ø PAVEMENT MATCH)

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ON CADD

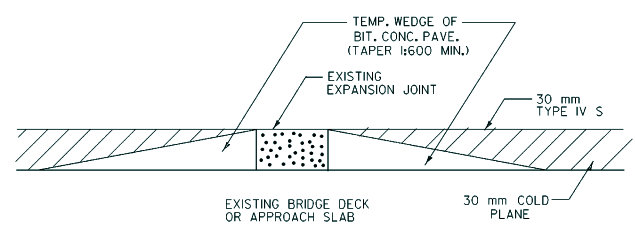
NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT AS INDICATED

DATUM	
VERTICAL	
HORIZONTAL	

NOT TO SCALE

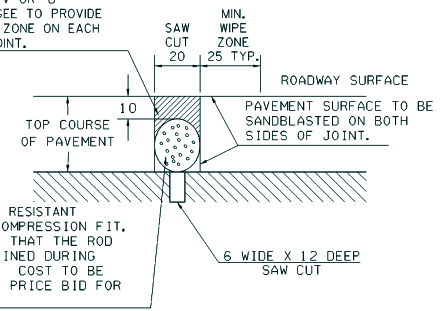
**PROJECT
TYPICAL
SHEET**

PROJECT:	NORWICH - BRADFORD	PROJECT NO.:	IM 091-2(11)
DESIGN FILE NAME:	/pave/91a060/pa060.dgn		
IPARM FILE NAME:	_pa060tylj_	PLOT DATE:	10-MAR-1998
SURVEYED BY:	CLD lsc	SURVEY DATE:	11/97
SQUAD LEADER:	JAW	DRAWN BY:	ITS
		SHEET:	2 OF 10



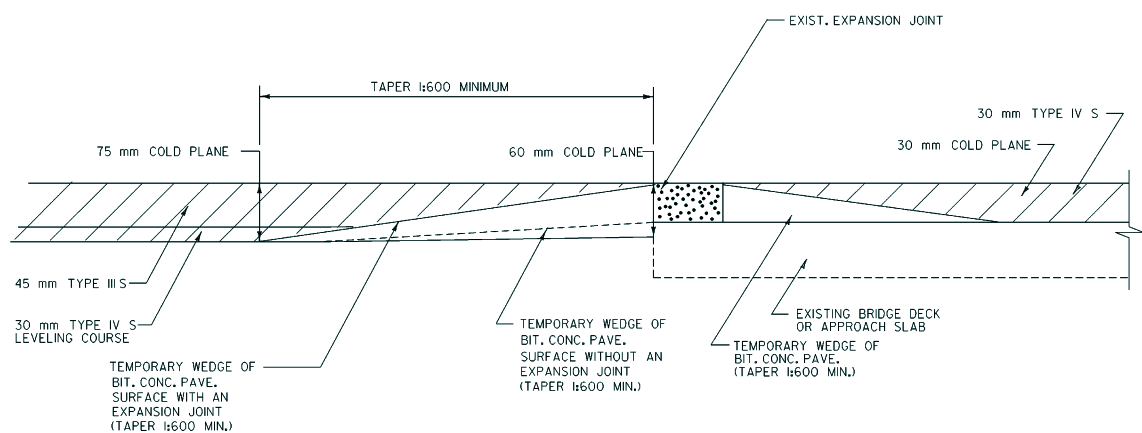
EXPANSION JOINT ON BRIDGE DETAIL

JOINT SEALER, HOT OR COLD
POURED, SHALL BE SLIGHTLY
OVER FILLED, THEN WIPED
FLUSH WITH A "V" OR "U"
SHAPED SQUEEGEE TO PROVIDE
A 25 mm WIPE ZONE ON EACH
SIDE OF THE JOINT.



22 mm DIAMETER, HEAT RESISTANT
FOAM BACKER ROD, COMPRESSION FIT,
REQUIRED TO INSURE THAT THE ROD
POSITION IS MAINTAINED DURING
FILLING OPERATION. COST TO BE
INCLUDED WITH UNIT PRICE BID FOR
JOINT SEALER.

SAW CUT JOINT DETAIL



BRIDGE APPROACH DETAIL AT PASSING LANE AND SHOULDERS

LOCATION

SOUTH END	BRIDGE # 1 (12.2 M)	@ STA 129+125 (@ EXPANSION JOINT)
NORTH & SOUTH END	BRIDGE # 2 (12.1 M)	@ STA 143+697 (@ EXPANSION JOINT)
NORTH END	BRIDGE # 3 (12.2 M)	@ STA 147+322 (@ EXPANSION JOINT)
NORTH END	BRIDGE # 4 (11.5 M)	@ STA 157+134 (@ EXPANSION JOINT)
SOUTH END	BRIDGE # 5 (11.9 M)	@ STA 157+522 (@ EXPANSION JOINT)
NONE	BRIDGE # 6 (12.0 M)	@ STA 157+698 (@ EXPANSION JOINT)

NOTE:
JOINT IS TO BE LOCATED ACCURATELY BY STRING
LINING OR BY OTHER MEANS PRIOR TO PAVING,
SO THAT THE SAW CUT WILL BE MADE DIRECTLY
OVER THE END OF THE CONCRETE DECK. THE
JOINT SHALL BE CUT DRY IN A SINGLE PASS AND
BE SEALED PRIOR TO EXPOSURE TO TRAFFIC.
THE JOINT SHALL BE CLEANED PRIOR TO APPLYING
THE JOINT SEALER - SEE VERMONT SPECIFICATION
524.

BR 51-S STA. 129+085.5, (MM 80.210)	STA. 129+162.7 (MM 80.258)
BR 55-S STA. 143+672.3, (MM 89.274)	STA. 143+696.7 (MM 89.289)
BR 56-S STA. 147+307.4, (MM 91.533)	STA. 147+331.4 (MM 91.547)
BR 58-S STA. 157+100.6, (MM 97.618)	STA. 157+168.5 (MM 97.660)
BR 59-S STA. 157+368.1, (MM 97.784)	STA. 157+451.8 (MM 97.836)
BR 60-S STA. 157+613.3, (MM 97.974)	STA. 157+722.1 (MM 98.004)

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ON CADD**

NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT AS INDICATED

DATUM	_____
VERTICAL	_____
HORIZONTAL	_____

NOT TO SCALE

PROJECT TYPICAL SHEET	PROJECT: NORWICH - BRADFORD	PROJECT NO.: 1M 091-2(11)
	DESIGN FILE NAME: /pave/97a060/pa060.dgn	
	IPARM FILE NAME: _pa060ty2L	PLOT DATE: 10-MAR-1998
	SURVEYED BY: CLQ lnc	SURVEY DATE: 11/97
	SOAID LEADER: JAW	DRAWN BY: JTS
		SHEET: 3 OF 10



TEMPORARY AND DURABLE 150 mm YELLOW LINE
 STA 123+012 TO 158+408 SOLID RT

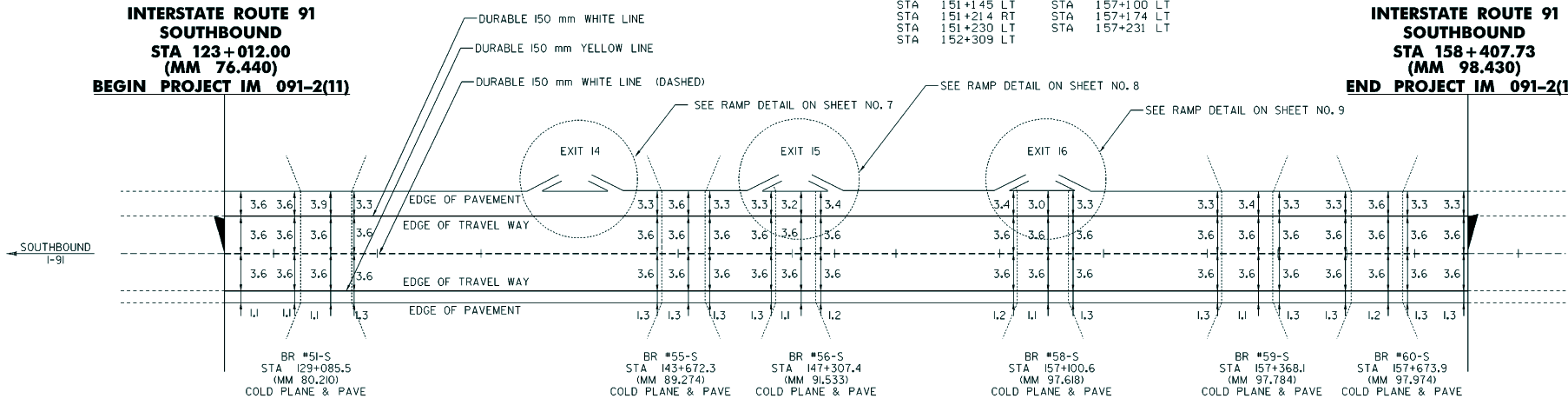
TEMPORARY AND DURABLE 150 mm WHITE LINE
 STA 123+012 TO 158+408 SOLID LT
 STA 123+012 TO 158+408 DASHED CL

CHANGING ELEV. OF DI, CB, OR MH
 REHABILITATION OF DI, CB, OR MH, CLASS I
 REHABILITATION OF DI, CB, OR MH, CLASS II
 REHABILITATION OF DI, CB, OR MH, CLASS III

STA 126+531 RT	STA 152+455 LT
STA 126+606 RT	STA 153+749 LT
STA 126+682 RT	STA 153+813 LT
STA 129+886 LT	STA 153+873 LT
STA 133+210 LT	STA 153+898 LT
STA 133+256 LT	STA 154+618 RT
STA 138+235 RT	STA 154+690 RT
STA 138+373 RT	STA 154+947 RT
STA 140+634 RT	STA 155+023 RT
STA 141+543 LT	STA 155+101 RT
STA 147+301 LT	STA 155+848 LT
STA 147+351 LT	STA 155+848 RT
STA 149+834 LT	STA 155+924 LT
STA 150+560 RT	STA 155+937 RT
STA 150+620 RT	STA 156+015 LT
STA 150+681 RT	STA 156+029 RT
STA 150+757 RT	STA 156+110 LT
STA 150+849 RT	STA 156+383 LT
STA 150+937 RT	STA 156+451 LT
STA 151+031 RT	STA 156+519 LT
STA 151+119 RT	STA 157+049 LT
STA 151+145 LT	STA 157+100 LT
STA 151+214 RT	STA 157+174 LT
STA 151+230 LT	STA 157+231 LT
STA 152+309 LT	

**INTERSTATE ROUTE 91
 SOUTHBOUND
 STA 123+012.00
 (MM 76.440)
 BEGIN PROJECT IM 091-2(11)**

**INTERSTATE ROUTE 91
 SOUTHBOUND
 STA 158+407.73
 (MM 98.430)
 END PROJECT IM 091-2(11)**



NOTES

SPECIAL PRECAUTIONS MUST BE TAKEN TO PREVENT DAMAGE TO THE EXISTING MEMBRANES AT BRIDGES 58-S, 59-S & 60-S. THE CONTRACTOR SHALL PERFORM COLD PLANING WITH CAUTION AT THESE LOCATIONS. ANY DAMAGES WHICH MAY OCCUR TO THE MEMBRANE, AS A RESULT OF THIS PROJECT, WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND WILL BE REPLACED AT NO COST TO THE STATE.

BRIDGE DETAILS

A. BRIDGE 51-S	STA. 129+085.5, (MM 80.210)	COLD PLANE 30 mm & PAVE 30 mm	TYPE IV S
B. BRIDGE 55-S	STA. 143+672.3, (MM 89.274)	COLD PLANE 30 mm & PAVE 30 mm	TYPE IV S
C. BRIDGE 56-S	STA. 147+307.4, (MM 91.533)	COLD PLANE 30 mm & PAVE 30 mm	TYPE IV S
D. BRIDGE 58-S	STA. 157+100.6, (MM 97.618)	COLD PLANE 30 mm & PAVE 30 mm	TYPE IV S
E. BRIDGE 59-S	STA. 157+368.1 (MM 97.784)	COLD PLANE 30 mm & PAVE 30 mm	TYPE IV S
F. BRIDGE 60-S	STA. 157+673.9, (MM 97.974)	COLD PLANE 30 mm & PAVE 30 mm	TYPE IV S

REFER TO SHEET 3 FOR BRIDGE APPROACH DETAILS

**ARCHIVED
 ON CADD**

ALL DIMENSIONS IN METERS EXCEPT AS INDICATED

DATUM
 VERTICAL _____
 HORIZONTAL _____

PAVING PROJECT LAYOUT	PROJECT: NORWICH - BRADFORD	PROJECT No.: IM 091-2(11)
	DESIGN FILE NAME: /pave/97a060/pa060.dgn	PLOT DATE: 10-MAR-1998
	IPARM FILE NAME: pa06001	SURVEY DATE: 11/97
	SURVEYED BY: CLC, Inc	DRAWN BY: TJS
	SQUAD LEADER: JAW	SHEET: 6 OF 10



TEMPORARY AND DURABLE 150 mm WHITE LINE

EXIT 14			
SOUTHBOUND ON RAMP	319	SOLID RT	
SOUTHBOUND ON RAMP	8	DASHED LANE LINE	
SOUTHBOUND OFF RAMP	327	SOLID RT	
SOUTHBOUND OFF RAMP	123	DOTTED LANE LINE	

TEMPORARY AND DURABLE 150 mm YELLOW LINE

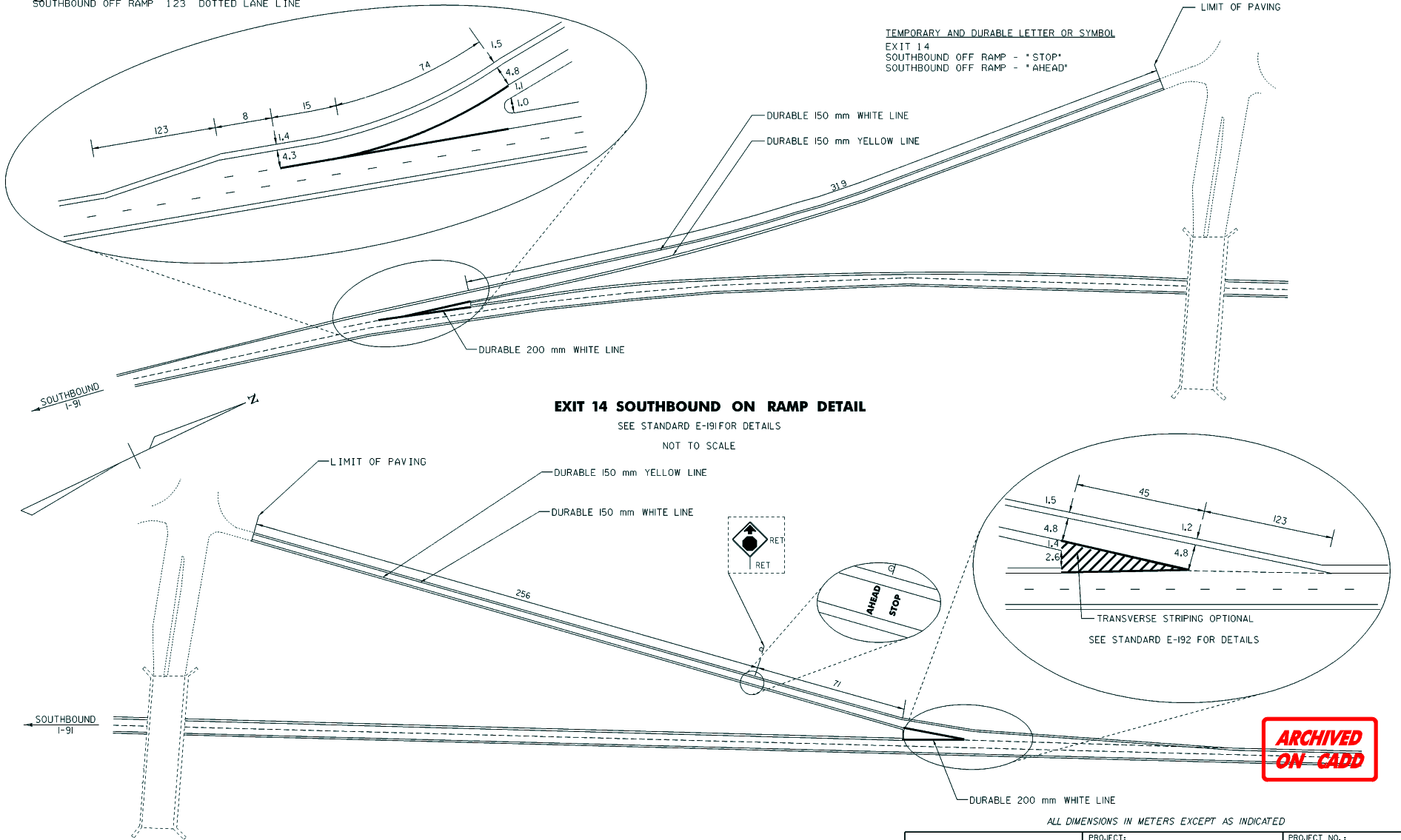
EXIT 14			
SOUTHBOUND ON RAMP	319	SOLID LT	
SOUTHBOUND OFF RAMP	327	SOLID LT	

TEMPORARY AND DURABLE 200 mm WHITE LINE

EXIT 14			
SOUTHBOUND ON RAMP	74	SOLID LT	
SOUTHBOUND OFF RAMP	45	SOLID LT	
MAINLINE	134	SOLID LT	

TEMPORARY AND DURABLE LETTER OR SYMBOL

EXIT 14		
SOUTHBOUND OFF RAMP	-	"STOP"
SOUTHBOUND OFF RAMP	-	"AHEAD"



EXIT 14 SOUTHBOUND ON RAMP DETAIL

SEE STANDARD E-191 FOR DETAILS
NOT TO SCALE

EXIT 14 SOUTHBOUND OFF RAMP DETAIL

SEE STANDARD E-191 FOR DETAILS
NOT TO SCALE

LEGEND
RET = RETAIN

RAMP DETAILS

ALL DIMENSIONS IN METERS EXCEPT AS INDICATED

**ARCHIVED
ON CADD**

DATUM	
VERTICAL	
HORIZONTAL	

PROJECT:	NORWICH - BRADFORD	PROJECT NO.:	IM 091-2(11)
DESIGN FILE NAME:	./pave/97a060/po060.dgn	PLOT DATE:	10-MAR-1998
IPARM FILE NAME:	po060.dtl	SURVEY DATE:	11/97
SURVEYED BY:	CLD, lbc	DRAWN BY:	TJS
SQUAD LEADER:	JAW	SHEET:	7 OF 10



TEMPORARY AND DURABLE 150 mm YELLOW LINE

EXIT 15
 SOUTHBOUND ON RAMP 164 SOLID LT
 SOUTHBOUND OFF RAMP 180 SOLID LT

TEMPORARY AND DURABLE 150 mm WHITE LINE

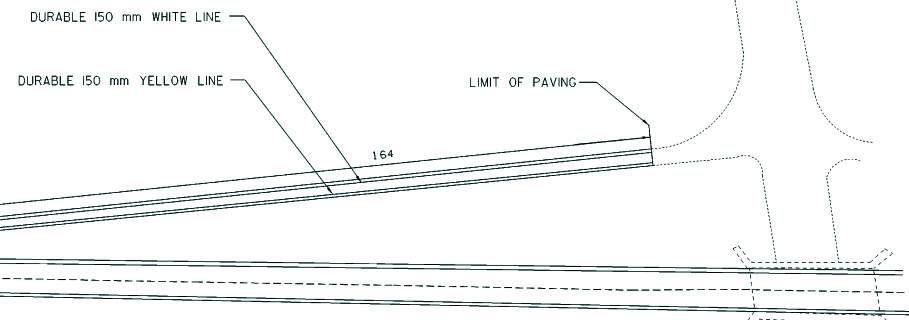
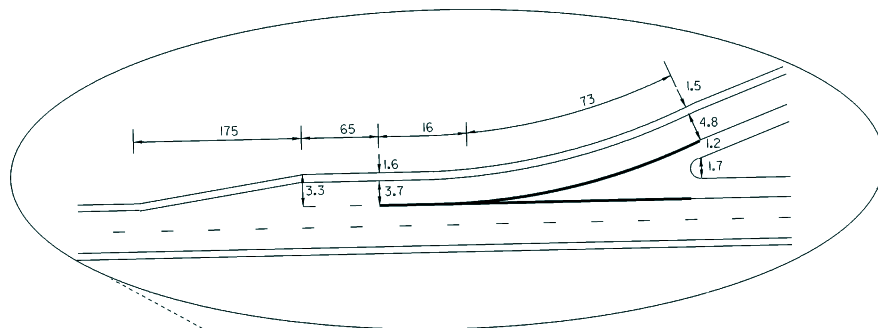
EXIT 15
 SOUTHBOUND ON RAMP 164 SOLID RT
 SOUTHBOUND ON RAMP 65 DASHED LANE LINE
 SOUTHBOUND OFF RAMP 180 SOLID RT
 SOUTHBOUND OFF RAMP 127 DOTTED LANE LINE

TEMPORARY AND DURABLE 200 mm WHITE LINE

EXIT 15
 SOUTHBOUND ON RAMP 73 SOLID LT
 SOUTHBOUND OFF RAMP 64 SOLID LT
 MAINLINE 153 SOLID LT

TEMPORARY AND DURABLE LETTER OR SYMBOL

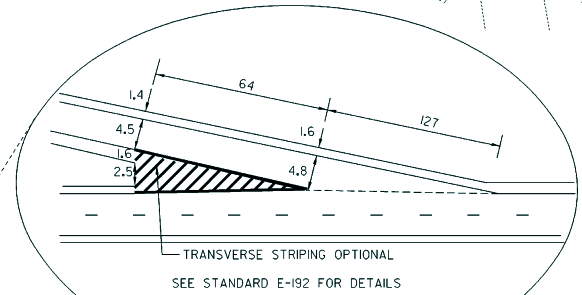
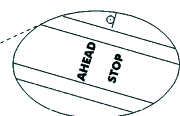
EXIT 15
 SOUTHBOUND OFF RAMP - "STOP"
 SOUTHBOUND OFF RAMP - "AHEAD"



EXIT 15 SOUTHBOUND ON RAMP DETAIL

SEE STANDARD E-191 FOR DETAILS

NOT TO SCALE



SOUTHBOUND
I-91

SOUTHBOUND
I-91

CHANGING ELEV. OF DI, CB, OR MH
 REHABILITATION OF DI, CB, OR MH, CLASS I
 REHABILITATION OF DI, CB, OR MH, CLASS II
 REHABILITATION OF DI, CB, OR MH, CLASS III

- STA 146+821 LT
- STA 146+897 LT
- STA 146+972 LT
- STA 147+049 LT
- STA 147+191 LT

EXIT 15 SOUTHBOUND OFF RAMP DETAIL

SEE STANDARD E-191 FOR DETAILS

NOT TO SCALE

DURABLE 200 mm WHITE LINE

ARCHIVED
ON CADD

ALL DIMENSIONS IN METERS EXCEPT AS INDICATED

DATUM	_____
VERTICAL	_____
HORIZONTAL	_____

LEGEND
RET = RETAIN

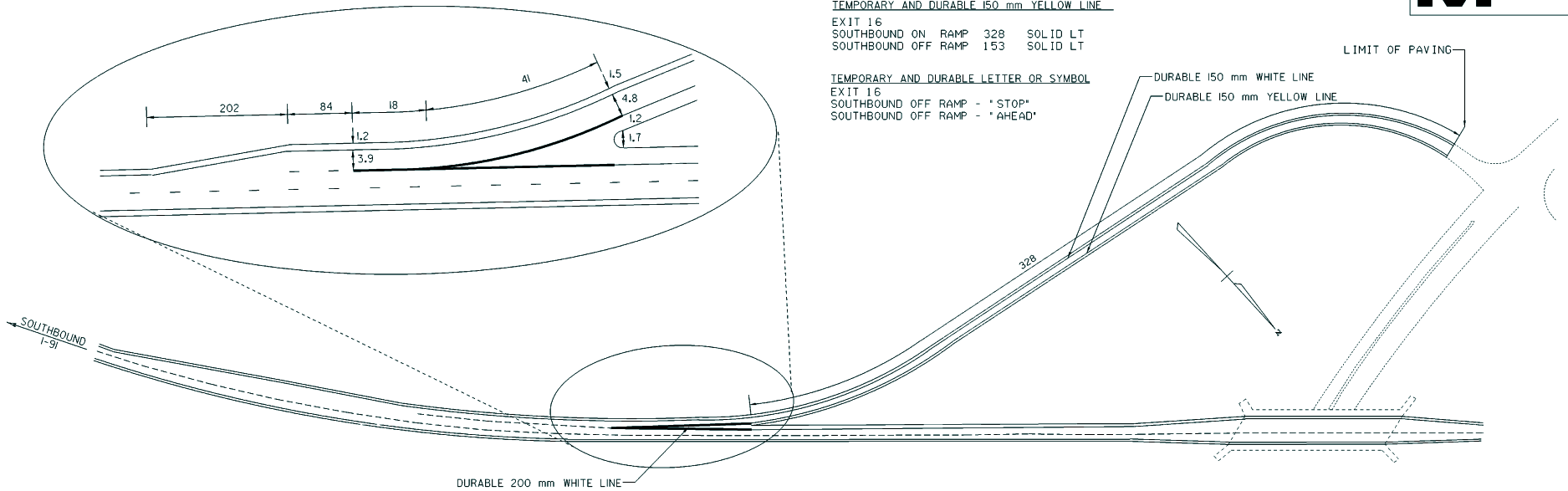
RAMP
DETAILS

PROJECT: NORWICH - BRADFORD	PROJECT NO.: IM 091-2(11)
DESIGN FILE NAME: /pave/97a060/pa060.dgn	PLOT DATE: 10-MAR-1998
IPARM FILE NAME: pa060.dtl	SURVEY DATE: 11/97
SQUAD LEADER: JAW	DRAWN BY: TJS
	SHEET: 8 OF 10



TEMPORARY AND DURABLE 150 mm YELLOW LINE
 EXIT 16
 SOUTHBOUND ON RAMP 328 SOLID LT
 SOUTHBOUND OFF RAMP 153 SOLID LT

TEMPORARY AND DURABLE LETTER OR SYMBOL
 EXIT 16
 SOUTHBOUND OFF RAMP - *STOP*
 SOUTHBOUND OFF RAMP - *AHEAD*



TEMPORARY AND DURABLE 150 mm WHITE LINE

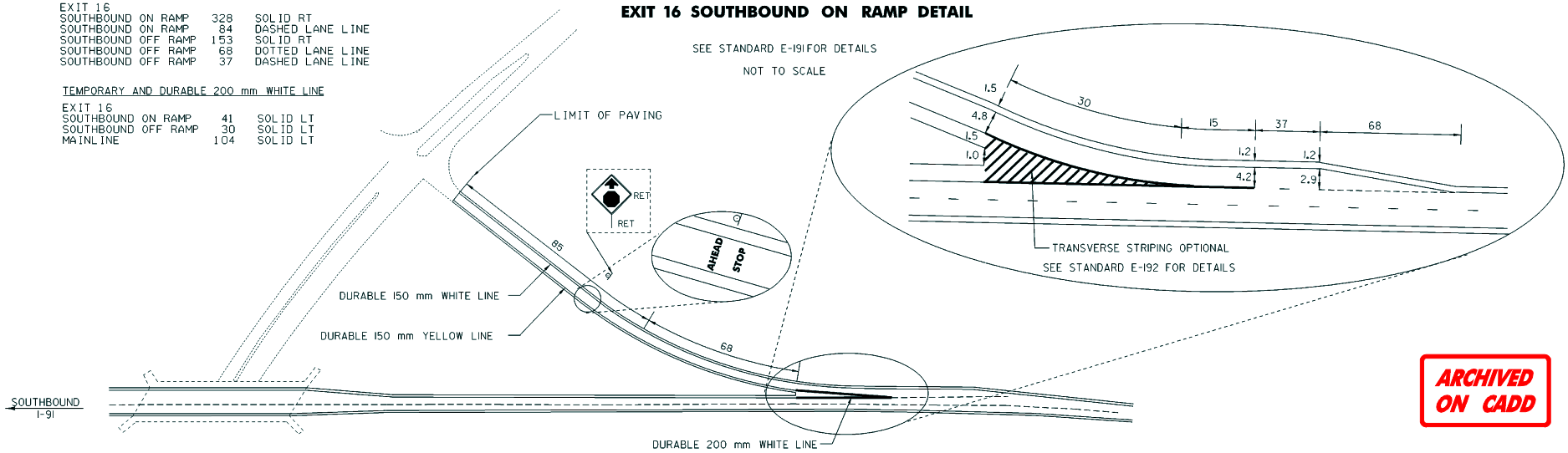
EXIT 16
 SOUTHBOUND ON RAMP 328 SOLID RT
 SOUTHBOUND ON RAMP 84 DASHED LANE LINE
 SOUTHBOUND OFF RAMP 153 SOLID RT
 SOUTHBOUND OFF RAMP 68 DOTTED LANE LINE
 SOUTHBOUND OFF RAMP 37 DASHED LANE LINE

TEMPORARY AND DURABLE 200 mm WHITE LINE

EXIT 16
 SOUTHBOUND ON RAMP 41 SOLID LT
 SOUTHBOUND OFF RAMP 30 SOLID LT
 MAINLINE 104 SOLID LT

EXIT 16 SOUTHBOUND ON RAMP DETAIL

SEE STANDARD E-191 FOR DETAILS
 NOT TO SCALE



EXIT 16 SOUTHBOUND OFF RAMP DETAIL

SEE STANDARD E-191 FOR DETAILS
 NOT TO SCALE

LEGEND
 RET = RETAIN

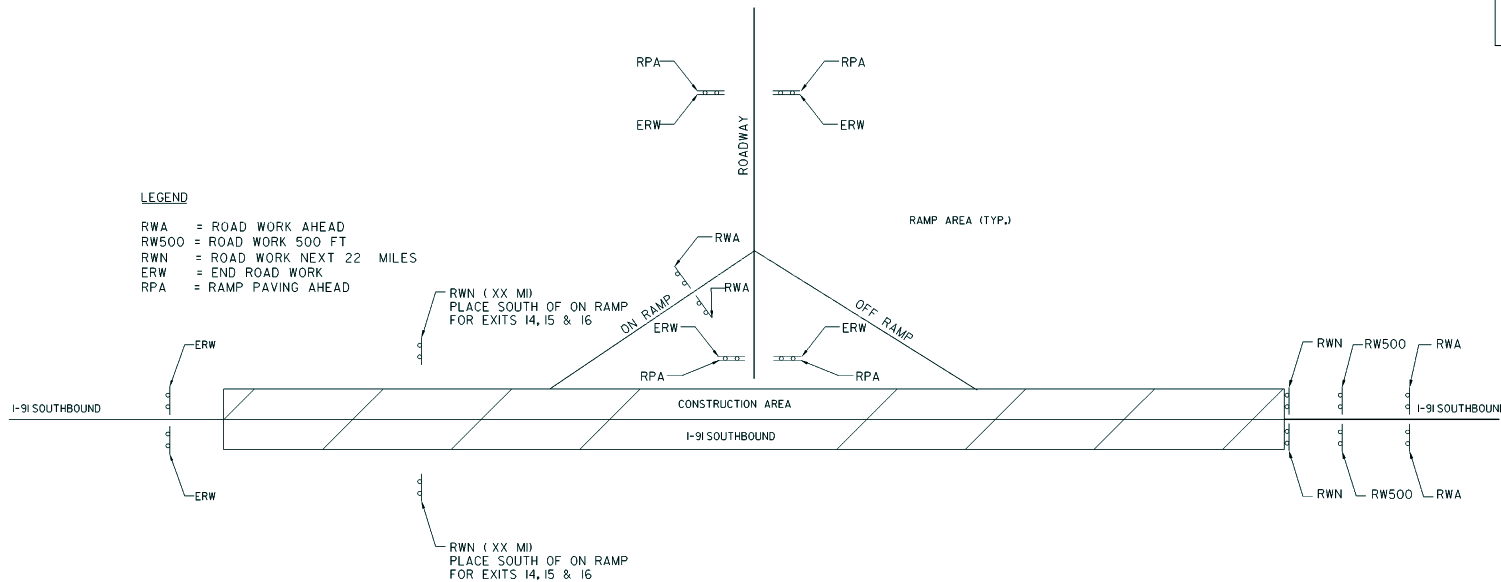
RAMP DETAILS

ALL DIMENSIONS IN METERS EXCEPT AS INDICATED

PROJECT: NORWICH - BRADFORD	PROJECT NO.: IM 091-2(11)
DESIGN FILE NAME: ./97288a.dgn	PLOT DATE: 10-MAR-1998
IPARM FILE NAME: p060d13.l	SURVEY DATE: 11/97
SURVEYED BY: CLD, lpc	DRAWN BY: TJS
SQUAD LEADER: JAW	SHEET: 9 OF 10

**ARCHIVED
ON CADD**

DATUM	_____
VERTICAL	_____
HORIZONTAL	_____



CONSTRUCTION APPROACH SIGNING

NOT TO SCALE

SEE STD. E-100 FOR SIGN PLACEMENT

US HIGHWAY NAME	ROAD WORK AHEAD	END ROAD WORK	ROAD WORK 500'	ROAD WORK NEXT 22 MILES	ROAD WORK NEXT 21 MILES	ROAD WORK NEXT 15 MILES	ROAD WORK NEXT 8 MILES	RAMP PAVING AHEAD	OTHER
I-91 SOUTHBOUND									
MILE MARKER 83.89							2		
EXIT 14 INTERCHANGE	2	4						4	
MILE MARKER 91.20						2			
EXIT 15 INTERCHANGE	2	4						4	
MILE MARKER 97.29					2				
EXIT 16 INTERCHANGE	2	4						4	
MILE MARKER 98.52			2						
MILE MARKER 98.71	2								
MILE MARKER 98.43				2					
MILE MARKER 76.44		2							
TOTAL	8	14	2	2	2	2	2	12	

NOTES:

- ADDITIONAL RAMP SIGNING MAY BE REQUIRED AS DIRECTED BY THE RESIDENT ENGINEER.
- THE BID PRICE FOR TRAFFIC CONTROL - ITEM 641.10, SHALL INCLUDE ALL APPROACH AND ON-PROJECT CONSTRUCTION SIGNING, BARRIERS, BARRELS, CONES, BARRICADES, TEMPORARY REGULATORY AND WARNING SIGNS AND POSTS AS DETAILED IN STANDARD E-103. ALL ADJUSTING, RELOCATING AND REMOVING OF THESE DEVICES AS DIRECTED BY THE RESIDENT ENGINEER, SHALL ALSO BE INCLUDED. THE FOLLOWING ITEMS WILL BE PAID UNDER THEIR SPECIFIC BID PRICES.
646.614, .615, .62, AND .70 - TEMPORARY PAVEMENT MARKINGS
630.10, .15 - UNIFORMED TRAFFIC OFFICERS AND FLAGGERS
- TWO (2) PORTABLE CHANGEABLE MESSAGE SIGNS WILL BE PROVIDED FOR USE ALONG THE SOUTHBOUND LANES OF INTERSTATE 91. THE PLACEMENT OF THESE MESSAGE SIGNS AS WELL AS THEIR MESSAGES WILL BE AS APPROVED BY THE RESIDENT ENGINEER.

**ARCHIVED
ON CADD**

DATUM _____
VERTICAL _____
HORIZONTAL _____

**CONSTRUCTION
APPROACH SIGNING
AND TRAFFIC
CONTROL NOTES**

PROJECT: NORWICH - BRADFORD	PROJECT NO.: IM 091-2(11)
DESIGN FILE NAME: /pave/97a060/pa060.dgn	PLOT DATE: 10-MAR-1998
IPARM FILE NAME: pa060csl	SURVEY DATE: 1/2/97
SURVEYED BY: CLG, lgc	DRAWN BY: TJS
SQUAD LEADER: JAW	SHEET: 10 OF 10