INDEX OF SHEETS

RECORD PLANS

R.E. KEVIN McCLURE

CONTRACTOR: FRANK W. WHITCOMB CONSTRUCTION CORPORATION

PROJECT START DATE: 5-7-2012

PROJECT COMPLETION DATE:

RECORD PLANS DONE BY: KEVIN McCLURE

STATE OF VERMONT
AGENCY OF TRANSPORTATION

PROPOSED IMPROVEMENT
TOWNS OF BARTON AND IRASBURG
COUNTY OF ORLEANS
INTERSTATE ROUTE 91 NB & SB

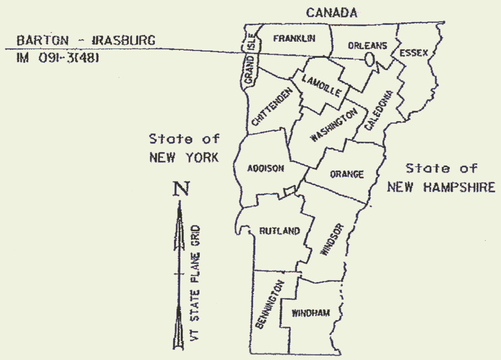
THIS PROJECT INCLUDES BOTH NORTHBOUND AND SOUTHBOUND BARRELS. NB: MM ~~155.989~~ 155.995 - ~~MM 163.000~~ 163.020; SB: MM ~~155.987~~ 156.006 - ~~MM 163.000~~ 163.010

NB LENGTH OF ROADWAY = ~~37,018.08~~ 37,092 FT = ~~(7.011 MILES)~~ 7.025

SB LENGTH OF ROADWAY = ~~37,028.64~~ 36,981.12 FT = ~~(7.013 MILES)~~ 7.004

PROJECT LENGTH ~~37,028.64~~ 37,092.00 FT = ~~(7.013~~ 7.025 MILES)

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES COLD PLANING AND RESURFACING OF THE NORTHBOUND AND SOUTHBOUND LANES, INTERCHANGE RAMPS, AND MAINTENANCE U-TURNS WITH A LEVELING COURSE, WEARING COURSE, MILLED RUMBLE STRIPS, NEW PAVEMENT MARKINGS, GUARDRAIL, AND OTHER RELATED ITEMS.



RECORD PLANS

CONTRACTOR: F.W. WHITCOMB CONSTRUCTION CORP. – WALPOLE, NH

RESIDENT ENGINEER: KEVIN MCCLURE

CONSTRUCTION BEGAN: MAY 3 2012

CONSTRUCTION COMPLETE:

RECORD PLANS BY: KEVIN MCCLURE & CRAIG PIERCE

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

BY Kevin McClure RESIDENT ENGINEER

DATE 4-29-13

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.

VAOT STANDARDS

D-3	6/1/1994	E-160	5/20/1999
D-6	6/1/1994	E-161	8/18/1995
D-10	6/1/1994	E-162	5/20/1999
D-15	6/1/1994	E-163	5/20/1999
D-16	6/1/1994	E-164	6/8/2009
E-100	1/2/2004	E-191	2/1/1999
E-100A	1/2/2004	E-192	10/12/2000
E-101	5/30/2003	E-193	8/18/1995
E-102	6/30/2003	G-1	1/3/2000
E-102A	5/1/2004	G-1D	1/3/2000
E-103	3/1/2004	G-6	2/11/2008
E-105	5/1/2004	G-19	11/15/2002
E-106	3/1/2004		
E-107	6/30/2003		
E-107A	6/8/2009		
E-108	6/8/2009		
E-108A	6/8/2009		
E-110	8/8/1995		
E-111	3/11/1997		
E-120	8/8/1995		

TRAFFIC DATA

INTERSTATE I-91

LOCATION	AADT		DHV		ESALS	
	2012	2022	2012	2022	2012-2022	2012-2032
NORTHBOUND I-91						
BEGIN PROJECT TO EXIT 26	2600	3000	430	490	1,906,000	4,598,000
EXIT 26 TO END PROJECT	2500	2900	410	480	1,986,000	4,818,000
SOUTHBOUND I-91						
BEGIN PROJECT TO EXIT 26	2600	3000	400	460	1,885,000	4,456,000
EXIT 26 TO END PROJECT	2500	2900	380	440	1,835,000	4,384,000

SUPERPAVE BITUMINOUS CONCRETE PAVEMENT MIXTURE DESIGN CRITERIA

DESIGN LANE/DESIGN LIFE ESALS	NB 4,818,000 SB 4,456,000
DESIGN NUMBER OF GYRATIONS	65
PERFORMANCE GRADE ASPHALT BINDER	SEE SECTION 490 OF THE GENERAL SPECIAL PROVISIONS AND SPECIAL PROVISIONS

QUALITY ASSURANCE PROGRAM: LEVEL I

CONVENTIONAL SYMBOLS

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.W. TAKING LINE
SLOPE RIGHTS (SR SR SR)
TOP OF CUT
TOE OF SLOPE

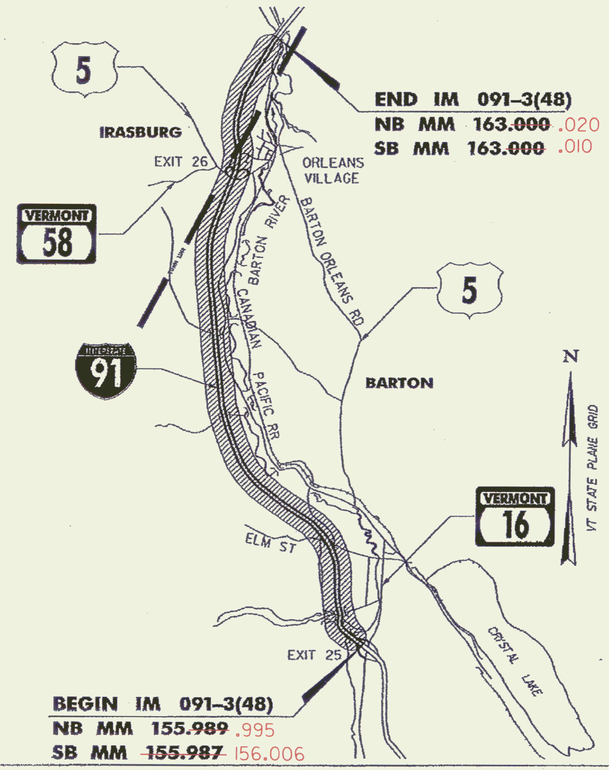
SURVEYED BY : N/A

SURVEYED DATE : N/A

DATUM

VERTICAL N/A

HORIZONTAL N/A



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 PURPOSES.

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 2006, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JUNE 15, 2006 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

UNLESS OTHERWISE NOTED, ALL DRAWINGS AND DETAILS ON THESE PLANS ARE DRAWN "NOT TO SCALE".

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATOR
APPROVED Mark D. Richter 12-13-11

DIRECTOR OF PROGRAM DEVELOPMENT
APPROVED [signature] DATE 12-6-2011

PROJECT MANAGER : MIKE FOWLER

PROJECT NAME : BARTON - IRASBURG

PROJECT NUMBER : IM 091-3(48) (RE-ADVERTISED)

SHEET 1 OF 40 SHEETS

Stantec

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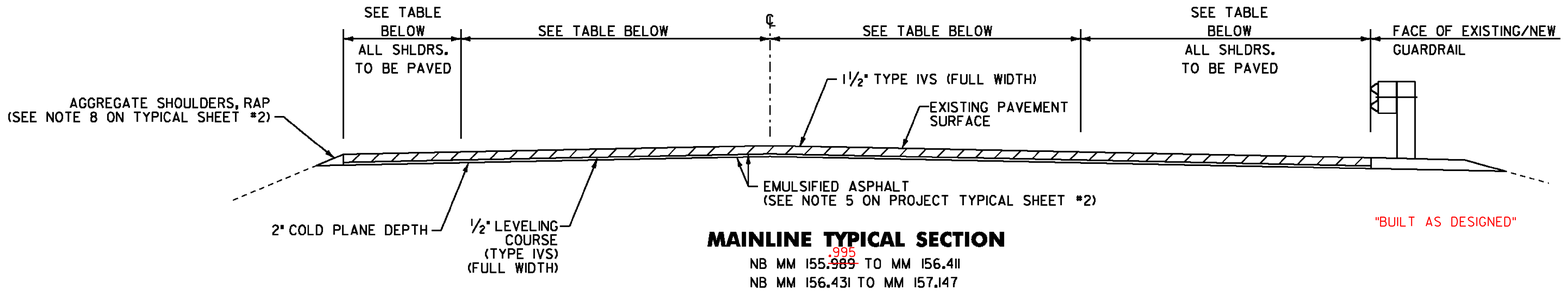
p07a286tts.i

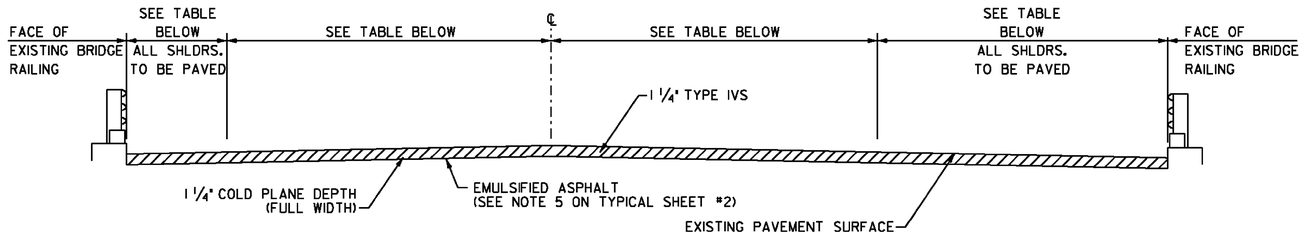


"BUILT AS DESIGNED"

NOTE:
ALL TYPICALS DEPICT THE NORTHBOUND CONFIGURATION. FOR SOUTHBOUND LAYOUT, MIRROR THE TYPICALS SHOWN.

MAINLINE TYPICAL SECTION

NB MM 155.~~989~~995 TO MM 156.411
NB MM 156.431 TO MM 157.147
NB MM 157.200 TO MM 159.824
NB MM 159.841 TO MM 161.436
NB MM 161.475 TO MM 163.~~000~~020
156.006 SB MM ~~155.987~~ TO MM 156.411
SB MM 156.431 TO MM 157.169
SB MM 157.227 TO MM 159.870
SB MM 159.889 TO MM 161.433
SB MM 161.472 TO MM 163.~~000~~010



BRIDGE TYPICAL SECTION - BRIDGE NOS. 104-N & 104-S

NB MM 157.147 - 157.200 (BRIDGE NO. 104-N)
SB MM 157.169 - 157.227 (BRIDGE NO. 104-S)

PROJECT PAVING LIMITS

TOWN & ROUTE	BEGIN STATION (MM)	END STATION (MM)	LANE TYPICAL	WEARING DEPTH	LEVELING DEPTH	NOTES
INTERSTATE 91 NORTHBOUND	155.~~989~~995	156.411	4'-0" - 12'-0" - 12'-0" - 10'-0"	1-1/2"	½"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS.
INTERSTATE 91 NORTHBOUND	156.411	156.431	4'-0" - 12'-0" - 12'-0" - 10'-0"	-	-	BRIDGE 103-N - DO NOT COLD PLANE OR PAVE
INTERSTATE 91 NORTHBOUND	156.431	157.147	4'-0" - 12'-0" - 12'-0" - 10'-0"	1-1/2"	½"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS.
INTERSTATE 91 NORTHBOUND	156.489		34'-0"	1-1/2"	½"	U-TURN - COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS.
INTERSTATE 91 NORTHBOUND	157.147	157.200	4'-0" - 12'-0" - 12'-0" - 10'-0"	1-1/4"	-	BRIDGE 104-N - COLD PLANE 1 1/4", PAVE WITH 1 1/4" TYPE IVS
INTERSTATE 91 NORTHBOUND	157.200	159.824	4'-0" - 12'-0" - 12'-0" - 10'-0"	1-1/2"	½"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS.
INTERSTATE 91 NORTHBOUND	158.802		30'-0"	1-1/2"	-	U-TURN - PAVE WITH 1 ½" TYPE IVS.
INTERSTATE 91 NORTHBOUND	159.824	159.841	4'-0" - 12'-0" - 12'-0" - 10'-0"	-	-	BRIDGE 105-N - DO NOT COLD PLANE OR PAVE
INTERSTATE 91 NORTHBOUND	159.841	161.436	4'-0" - 12'-0" - 12'-0" - 10'-0"	1-1/2"	½"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS.
INTERSTATE 91 NORTHBOUND	161.130		30'-6"	1-1/2"	-	U-TURN - PAVE WITH 1 ½" TYPE IVS.
INTERSTATE 91 NORTHBOUND	161.436	161.475	4'-0" - 12'-0" - 12'-0" - 10'-0"	-	-	BRIDGE 106-N - DO NOT COLD PLANE OR PAVE
INTERSTATE 91 NORTHBOUND	161.475	163.~~000~~020	4'-0" - 12'-0" - 12'-0" - 10'-0"	1-1/2"	½"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS.
INTERSTATE 91 NORTHBOUND	161.857		30'-0"	1-1/2"	-	U-TURN - PAVE WITH 1 ½" TYPE IVS.
	156.006					
INTERSTATE 91 SOUTHBOUND	~~155.987~~	156.411	10'-0" - 12'-0" - 12'-0" - 4'-0"	1-1/2"	½"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS.
INTERSTATE 91 SOUTHBOUND	156.411	156.431	10'-0" - 12'-0" - 12'-0" - 4'-0"	-	-	BRIDGE 103-S - DO NOT COLD PLANE OR PAVE
INTERSTATE 91 SOUTHBOUND	156.431	157.169	10'-0" - 12'-0" - 12'-0" - 4'-0"	1-1/2"	½"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS.
INTERSTATE 91 SOUTHBOUND	157.169	157.227	10'-0" - 12'-0" - 12'-0" - 4'-0"	1-1/4"	-	BRIDGE 104-S - COLD PLANE 1 1/4", PAVE WITH 1 1/4" TYPE IVS
INTERSTATE 91 SOUTHBOUND	157.227	159.870	10'-0" - 12'-0" - 12'-0" - 4'-0"	1-1/2"	½"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS.
INTERSTATE 91 SOUTHBOUND	159.870	159.889	10'-0" - 12'-0" - 12'-0" - 4'-0"	-	-	BRIDGE 105-S - DO NOT COLD PLANE OR PAVE
INTERSTATE 91 SOUTHBOUND	159.889	161.433	10'-0" - 12'-0" - 12'-0" - 4'-0"	1-1/2"	½"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS.
INTERSTATE 91 SOUTHBOUND	161.433	161.472	10'-0" - 12'-0" - 12'-0" - 4'-0"	-	-	BRIDGE 106-S - DO NOT COLD PLANE OR PAVE
INTERSTATE 91 SOUTHBOUND	161.472	163.~~000~~010	10'-0" - 12'-0" - 12'-0" - 4'-0"	1-1/2"	½"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS.
I-91 INTERCHANGE #25 RAMP "C"	SEE LAYOUT SHEETS		VARIES - SEE LAYOUT SHEETS	1-1/2"	½"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS.
I-91 INTERCHANGE #25 RAMP "D"	SEE LAYOUT SHEETS		VARIES - SEE LAYOUT SHEETS	1-1/2"	½"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS.
I-91 INTERCHANGE #26 RAMP "A"	SEE LAYOUT SHEETS		VARIES - SEE LAYOUT SHEETS	1-1/2"	½"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS.
I-91 INTERCHANGE #26 RAMP "B"	SEE LAYOUT SHEETS		VARIES - SEE LAYOUT SHEETS	1-1/2"	½"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS.
I-91 INTERCHANGE #26 RAMP "C"	SEE LAYOUT SHEETS		VARIES - SEE LAYOUT SHEETS	1-1/2"	½"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS.
I-91 INTERCHANGE #26 RAMP "D"	SEE LAYOUT SHEETS		VARIES - SEE LAYOUT SHEETS	1-1/2"	½"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS.
I-91 INTERCHANGE #26 RAMP "E"	SEE LAYOUT SHEETS		VARIES - SEE LAYOUT SHEETS	1-1/2"	½"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS.
I-91 INTERCHANGE #26 RAMP "F"	SEE LAYOUT SHEETS		VARIES - SEE LAYOUT SHEETS	1-1/2"	½"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS.

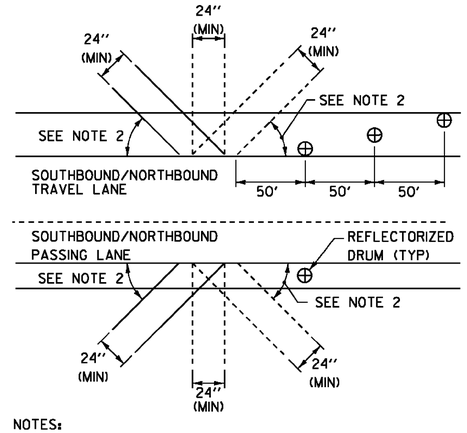
PROJECT DATA

		LENGTH (MILES)	LENGTH (FEET)
I-91 NORTHBOUND MM 155.989 TO MM 163.000		7.011	37,018.08
I-91 SOUTHBOUND MM 155.987 TO MM 163.000		7.013	37,028.64
TOTAL LENGTH OF PROJECT	=	14.024	74,046.72
TOTAL LENGTH OF ROADWAY	=	14.024	74,046.72
I-91 INTERCHANGE #25 RAMP "C"		0.115	608
I-91 INTERCHANGE #25 RAMP "D"		0.087	457
I-91 INTERCHANGE #26 RAMP "A"		0.209	1106
I-91 INTERCHANGE #26 RAMP "B"		0.158	836
I-91 INTERCHANGE #26 RAMP "C"		0.188	995
I-91 INTERCHANGE #26 RAMP "D"		0.195	1,032
I-91 INTERCHANGE #26 RAMP "E"		0.011	56
I-91 INTERCHANGE #26 RAMP "F"		0.008	42

ASPHALTIC PLUG JOINT LOCATIONS

~~BR 103-N INTERSTATE 91 NB MM 156.411 (38 LF)~~
~~BR 103-N INTERSTATE 91 NB MM 156.431 (38 LF)~~
BR 104-N INTERSTATE 91 NB MM 157.147 (~~65~~ LF) 65.5
~~BR 106-N INTERSTATE 91 NB MM 161.436 (38 LF)~~
~~BR 106-N INTERSTATE 91 NB MM 161.475 (38 LF)~~
~~BR 103-S INTERSTATE 91 SB MM 156.411 (38 LF)~~
~~BR 103-S INTERSTATE 91 SB MM 156.431 (38 LF)~~
BR 104-S INTERSTATE 91 SB MM 157.169 (~~79~~ LF) 75.7
~~BR 106-S INTERSTATE 91 SB MM 161.433 (38 LF)~~
~~BR 106-S INTERSTATE 91 SB MM 161.472 (38 LF)~~

BLEEDER DETAIL



NOTES:

1. BLEEDERS ARE TO BE CUT WHILE COLD PLANING AT LOCATIONS SPECIFIED BY THE RESIDENT ENGINEER.
2. ANGLE BLEEDERS TO BEST ACCEPT WATER FLOW.
3. CUT ALL BLEEDERS TO THE DEPTH OF COLD PLANING AND GRADE TO DRAIN. PAYMENT INCLUDED IN THE UNIT PRICE BID FOR ITEM 210.10 COLD PLANING, BITUMINOUS PAVEMENT.
4. BLEEDERS ARE TO BE FILLED DURING PAVING WITH ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT OR AS DIRECTED BY THE RESIDENT ENGINEER.
5. REFLECTORIZED DRUMS MUST BE PLACED AS SHOWN TO WARN MOTORISTS OF THE GAP IN THE SHOULDER. PAYMENT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 641.10 TRAFFIC CONTROL AS DIRECTED BY THE RESIDENT ENGINEER.
6. BLEEDERS SHALL NOT BE REQUIRED IF THE COLD PLANED AREAS ARE PAVED BACK THE SAME DAY OR AS DIRECTED BY THE RESIDENT ENGINEER.

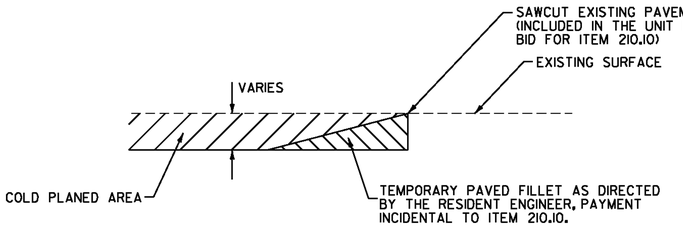
NOT TO SCALE

Stantec

PROJECT TYPICAL SHEET #1

PROJECT NAME: BARTON-IRASBURG
PROJECT NUMBER: IM 091-3(48)

FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286pts01.i
PLOT DATE: 06-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 2 OF 40

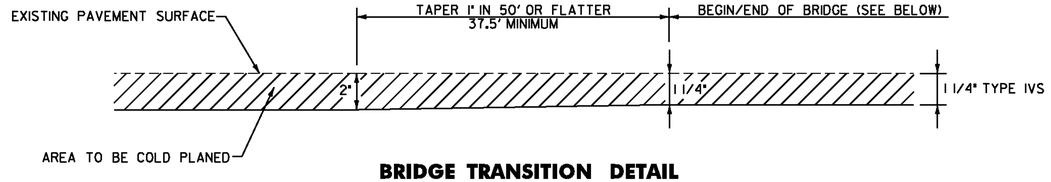


DETAIL AT VERTICAL COLD PLANE JOINTS

NOTE: THIS DETAIL SHALL BE USED AT THE LOCATIONS LISTED BELOW AS DIRECTED BY THE RESIDENT ENGINEER.

FULL ROADWAY WIDTH

INTERSTATE 91 NB MM 155.989 (BEGIN PROJECT)
INTERSTATE 91 NB MM 156.411 (BEGIN BRIDGE NO. 103-N)
INTERSTATE 91 NB MM 156.431 (END BRIDGE NO. 103-N)
INTERSTATE 91 NB MM 159.824 (BEGIN BRIDGE NO. 105-N)
INTERSTATE 91 NB MM 159.841 (END BRIDGE NO. 105-N)
INTERSTATE 91 NB MM 161.436 (BEGIN BRIDGE NO. 106-N)
INTERSTATE 91 NB MM 161.475 (END BRIDGE NO. 106-N)
INTERSTATE 91 NB MM 163.000 (END PROJECT)
INTERSTATE 91 SB MM 155.987 (BEGIN PROJECT)
INTERSTATE 91 SB MM 156.411 (BEGIN BRIDGE NO. 103-S)
INTERSTATE 91 SB MM 156.431 (END BRIDGE NO. 103-S)
INTERSTATE 91 SB MM 159.870 (BEGIN BRIDGE NO. 105-S)
INTERSTATE 91 SB MM 159.889 (END BRIDGE NO. 105-S)
INTERSTATE 91 SB MM 161.433 (BEGIN BRIDGE NO. 106-S)
INTERSTATE 91 SB MM 161.472 (END BRIDGE NO. 106-S)
INTERSTATE 91 SB MM 163.000 (END PROJECT)
INTERCHANGE #25 RAMP "C" AT VT ROUTE 16
INTERCHANGE #25 RAMP "D" AT VT ROUTE 16
INTERCHANGE #26 RAMP "A" AT U.S. ROUTE 5
INTERCHANGE #26 RAMP "B" AT U.S. ROUTE 5
INTERCHANGE #26 RAMP "C" AT U.S. ROUTE 5
INTERCHANGE #26 RAMP "D" AT U.S. ROUTE 5
INTERCHANGE #26 RAMP "E" AT U.S. ROUTE 5
INTERCHANGE #26 RAMP "F" AT U.S. ROUTE 5

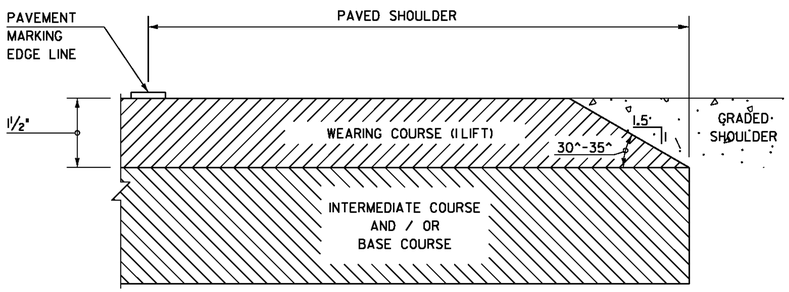


BRIDGE TRANSITION DETAIL

NB MM 157.140 - 157.147 (BRIDGE NO. 104-N)
NB MM 157.200 - 157.207 (BRIDGE NO. 104-N)
SB MM 157.162 - 157.169 (BRIDGE NO. 104-S)
SB MM 157.227 - 157.234 (BRIDGE NO. 104-S)

NOTES

1. THE PAVEMENT WEARING COURSE SHALL BE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TYPE IVS. THE ESTIMATED 1/2" LEVELING COURSE SHALL BE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TYPE IVS UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER.
2. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +1/4". (TOTAL THICKNESS EXCLUDING LEVELING)
3. EDGES OF NEW PAVEMENT SHALL INCLUDE A SAFETY EDGE AS SHOWN OR DIRECTED BY THE RESIDENT ENGINEER. SEE DETAIL ON THIS SHEET.
4. ALL COLD PLANE SURFACES SHALL HAVE SURFACE PREPARATION BEFORE PAVING CONSISTING OF POTHOLE PATCHING. THIS WILL BE PAID UNDER ITEM 900.680 SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT SURFACE PREPARATION, TYPE I). INCLUDED WITH THE SURFACE PREPARATION WILL BE EMULSIFIED ASPHALT APPLIED AT A RATE OF 0.08 GAL/SY OF CRS-1H OR RS-1H. EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL OTHER PAVED SURFACES AT THE RATE OF 0.025 TO 0.040 GAL/SY OF CRS-1H OR RS-1H. ALL EMULSIFIED ASPHALT WILL BE PAID UNDER ITEM 900.683 SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-1H OR CRS-1H).
5. COLD PLANING TO BE COMPLETED ACCORDING TO TYPICAL OR AS NOTED OTHERWISE ON THE PLANS. THE COLD PLANING AND PAVING SHALL MATCH THE EXISTING CONDITIONS AT THE BEGINNING AND END OF CONSTRUCTION AREAS BY THE USE OF A VERTICAL COLD PLANE JOINT. SEE DETAIL ON THIS SHEET.
6. AREAS ADJACENT TO THE SHOULDER WHERE EXISTING GUARDRAIL IS BEING RETAINED THAT HAVE BUILT UP EXCESS MATERIAL ARE TO BE GRADED IN ORDER TO ALLOW THE SHOULDER TO DRAIN AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT WILL BE MADE UNDER CONTRACT ITEM 203.40 SHOULDER BERM REMOVAL.
7. ITEM 402.13 AGGREGATE SHOULDERS, RAP SHALL BE USED TO BACK UP THE NEW PAVEMENT AS DIRECTED BY THE RESIDENT ENGINEER
8. AREAS ADJACENT TO THE SHOULDER WHERE NO GUARDRAIL EXISTS THAT HAVE BUILT UP EXCESS MATERIAL ARE TO BE GRADED IN ORDER TO ALLOW THE SHOULDER TO DRAIN AS DIRECTED BY THE RESIDENT ENGINEER. THIS WORK SHALL BE PAID FOR UNDER THE APPROPRIATE RENTAL ITEM.
9. ESTIMATED QUANTITIES OF ITEMS 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I AND ITEM 608.37 TRUCK RENTAL HAVE BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARDRAIL END SECTION FLARES WITH EXCAVATED DITCHING MATERIAL AND THE REMOVAL OF BUILT-UP EXCESS SHOULDER MATERIAL. AN ESTIMATED 25 CUBIC YARDS OF ITEM 203.30 EARTH BORROW HAS BEEN INCLUDED FOR THE CONSTRUCTION OF THE GUARDRAIL END SECTION FLARES IF THERE IS INSUFFICIENT DITCHING MATERIAL AVAILABLE. ITEM 653.20 TEMPORARY EROSION MATTING SHALL BE PLACED ON ALL SLOPES CREATED BY THE GUARDRAIL END SECTION FLARES. THE QUANTITIES INCLUDED REFLECT 25 SY OF ITEM 653.20 TEMPORARY EROSION MATTING FOR EACH NEW GUARDRAIL END SECTION FLARE.
10. STEEL BEAM GUARDRAIL WITH STEEL POSTS SHALL BE USED ON THIS PROJECT.
11. THE PROPOSED GUARDRAIL SHALL BE INSTALLED IN A LOCATION THAT MAXIMIZES THE DISTANCE FROM THE CENTER OF THE ROAD TO THE FACE OF GUARDRAIL AS DIRECTED BY THE RESIDENT ENGINEER.
12. AN ESTIMATED QUANTITY OF ITEM 621.79 ADJUST HEIGHT OF GUARDRAIL HAS BEEN INCLUDED FOR USE AS DIRECTED BY THE RESIDENT ENGINEER.
13. A QUANTITY FOR ITEM 604.412 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I, ITEM 604.415 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS II AND ITEM 604.40 CHANGING ELEVATION OF DI, CB, OR MH HAS BEEN INCLUDED TO BE USED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER. ALL DI'S SHALL BE RAISED OR REHABILITATED SUCH THAT THE NEW GRATE ELEVATION IS EVEN WITH THE SURROUNDING TERRAIN.
14. AN ESTIMATED QUANTITY OF ITEM 619.17 YIELDING MARKER POSTS HAS BEEN INCLUDED TO DELINEATE PIPE INLETS, PIPE OUTLETS AND DROP INLETS LOCATED OUTSIDE OF THE PAVEMENT SURFACE OR AS DIRECTED BY THE RESIDENT ENGINEER.
15. ALL DELINEATORS ASSOCIATED WITH NEW GUARDRAIL END SECTIONS ARE TO BE REPLACED AS DIRECTED BY THE RESIDENT ENGINEER AND PAID FOR UNDER ITEM 676.10 DELINEATOR WITH STEEL POST AND ITEM 676.12 REMOVAL OF EXISTING DELINEATOR.



SAFETY EDGE DETAIL

NOT TO SCALE

NOTE: LEVELING COURSE MAY INCLUDE THE "SAFETY EDGE" AT THE CONTRACTOR'S CHOICE.

EXISTING PAVEMENT CORE DATA

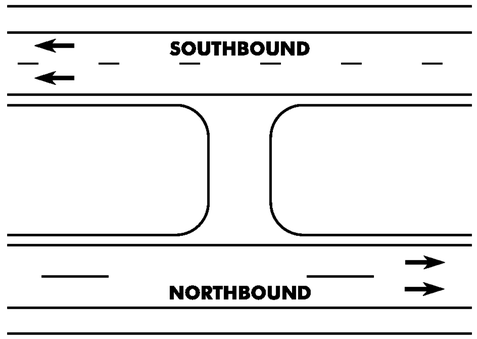
CORE #	TOWN	LOCATION	DEPTH (INCHES)	PCC
1	BARTON	NB MM 156.05 - SHOULDER	4 3/4"	NO
2	BARTON	NB MM 156.35 - SHOULDER	4 1/2"	NO
3	BARTON	NB MM 156.85 - SHOULDER	4 1/2"	NO
4	BARTON	NB MM 157.35 - SHOULDER	4 3/4"	NO
5	BARTON	NB MM 157.85 - SHOULDER	4 1/8"	NO
6	BARTON	NB MM 158.35 - SHOULDER	4 3/8"	NO
7	BARTON	NB MM 158.55 - SHOULDER	4 1/2"	NO
8	BARTON	NB MM 159.05 - SHOULDER	4 1/4"	NO
9	BARTON	NB MM 159.50 - SHOULDER	4 5/8"	NO
10	BARTON	NB MM 160.00 - SHOULDER	4 5/8"	NO
11	BARTON	NB MM 160.50 - SHOULDER	4 1/2"	NO
12	IRASBURG	NB MM 161.00 - SHOULDER	4 1/2"	NO
13	IRASBURG	NB MM 161.55 - SHOULDER	4"	NO
14	IRASBURG	NB MM 162.00 - SHOULDER	4 3/4"	NO
15	IRASBURG	NB MM 162.50 - SHOULDER	4"	NO
16	IRASBURG	NB MM 163.00 - SHOULDER	4 1/4"	NO
17	IRASBURG	SB MM 163.05 - SHOULDER	3 3/8"	NO
18	IRASBURG	SB MM 162.80 - SHOULDER	4 1/8"	NO
19	IRASBURG	SB MM 162.50 - SHOULDER	4 3/8"	NO
20	IRASBURG	SB MM 162.00 - SHOULDER	4 3/4"	NO
21	BARTON	SB MM 161.60 - SHOULDER	5"	NO
22	BARTON	SB MM 161.00 - SHOULDER	4 3/8"	NO
23	BARTON	SB MM 160.50 - SHOULDER	4 3/4"	NO
24	BARTON	SB MM 160.00 - SHOULDER	4 3/4"	NO
25	BARTON	SB MM 159.50 - SHOULDER	4 3/8"	NO
26	BARTON	SB MM 159.00 - SHOULDER	4 1/4"	NO
27	BARTON	SB MM 158.50 - SHOULDER	4 1/2"	NO
28	BARTON	SB MM 158.00 - SHOULDER	5"	NO
29	BARTON	SB MM 157.50 - SHOULDER	4 1/8"	NO
30	BARTON	SB MM 157.00 - SHOULDER	4 1/4"	NO
31	BARTON	SB MM 156.50 - SHOULDER	4 3/8"	NO
32	BARTON	SB MM 156.05 - SHOULDER	4 1/4"	NO

NOT TO SCALE

PROJECT TYPICAL SHEET #2

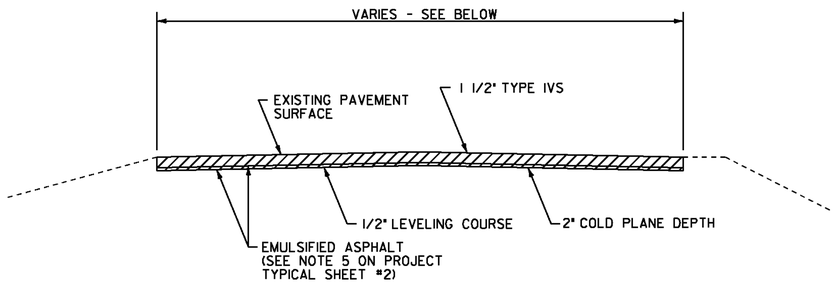
PROJECT NAME: BARTON-IRASBURG
PROJECT NUMBER: IM 091-3(48)

FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286pts02.i
PLOT DATE: 08-DEC-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 3 OF 40



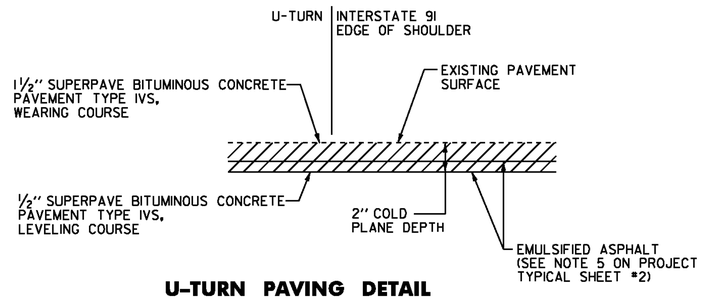
U-TURN DETAIL

NB MM 156.489 (34' WIDE X 43' LONG)
NB MM 158.802 (30' WIDE X 210' LONG)
NB MM 161.130 (30' WIDE X 163' LONG)
NB MM 161.857 (30' WIDE X 54' LONG)



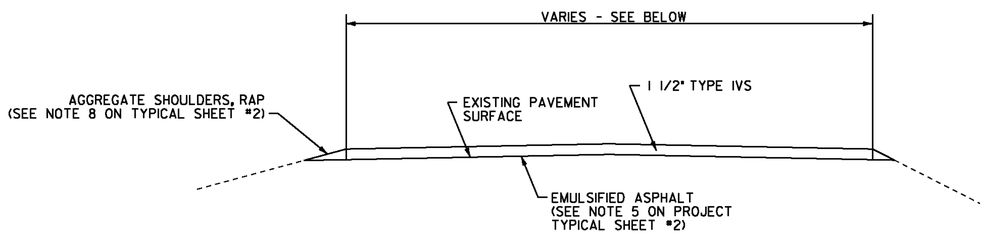
COLD PLANE U-TURN TYPICAL SECTION

NB MM 156.489 (34' WIDE X 43' LONG)



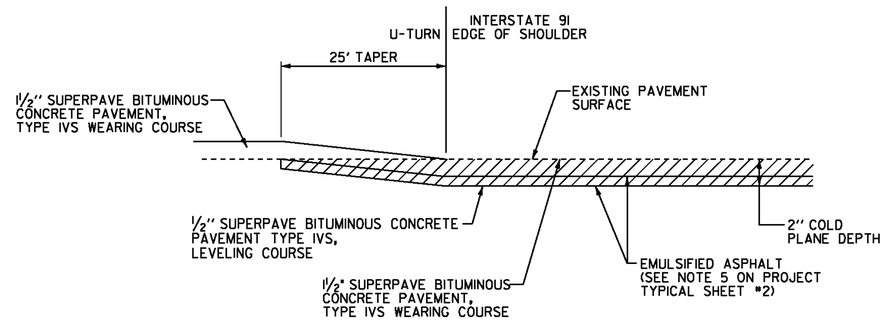
U-TURN PAVING DETAIL

U-TURN LENGTH LESS THAN 50 FEET
NB MM 156.489 (34' WIDE X 43' LONG)



OVERLAY U-TURN TYPICAL SECTION

NB MM 158.802 (30' WIDE X 210' LONG)
NB MM 161.130 (30' WIDE X 163' LONG)
NB MM 161.857 (30' WIDE X 54' LONG)



U-TURN PAVING TRANSITION DETAIL

U-TURN LENGTH GREATER THAN 50 FEET
NB MM 158.802 (30' WIDE X 210' LONG)
NB MM 161.130 (30' WIDE X 163' LONG)
NB MM 161.857 (30' WIDE X 54' LONG)

NOT TO SCALE

Stantec

U-TURN DETAIL SHEET

PROJECT NAME: BARTON-IRASBURG
PROJECT NUMBER: IM 091-3(48)

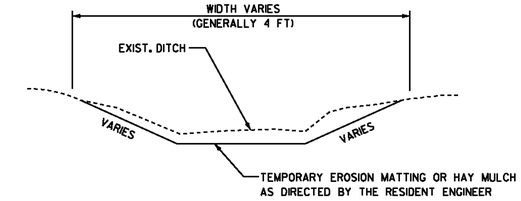
FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286utds.i

PLOT DATE: 06-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 4 OF 40

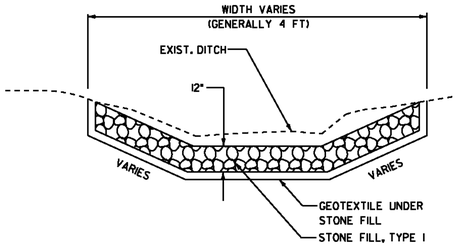
LOCATION				FEET OF DITCHING				MISCELLANEOUS ITEMS				
				PERCENT GRADE				613.10	649.31	651.15	653.20	
SITE	MILE MARKER	MILE MARKER	POS.	0-1	1-2.5	2.5-10	>10	STONE FILL, TYPE I	GEOT. UNDER STONE FILL	SEED	TEMP. EROS. MATT.	REMARKS
INTERSTATE 91								CY	SY	LB	SY	
NORTHBOUND DITCHING:												
1	161.570	161.610	LT			211		31	141			MEDIAN
2	161.610	161.802	LT		1014					7	451	MEDIAN
SOUTHBOUND DITCHING:												
3	157.225	157.485	LT		1373					10	610	
SUBTOTALS					2387	211		31*	141*	17*	1061*	

LOCATION				FEET OF DITCHING				MISCELLANEOUS ITEMS				
				PERCENT GRADE				613.10	649.31	651.15	653.20	
SITE	MILE MARKER	MILE MARKER	POS.	0-1	1-2.5	2.5-10	>10	STONE FILL, TYPE I	GEOT. UNDER STONE FILL	SEED	TEMP. EROS. MATT.	REMARKS
								CY	SY	LB	SY	

*THESE TOTALS ARE CARRIED FORWARD TO THE DETAILED SUMMARY OF QUANTITIES ON THE QUANTITY SHEETS.



DITCH DETAIL < 2.5 PERCENT



DITCH DETAIL ≥ 2.5 PERCENT

NOTES:

1. PIPE INLET AND OUTLET AREAS AND DITCH CLEANING THROUGHOUT THE PROJECT SHALL BE PERFORMED AT LOCATIONS IDENTIFIED ON THIS SHEET AND AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT WILL BE UNDER THE APPLICABLE EQUIPMENT RENTAL ITEM(S).

2. GRADES LESS THAN 1 PERCENT SHALL USE ITEM 651.15, SEED AND ITEM 651.25, HAY MULCH. GRADES BETWEEN 1 AND 2.5 PERCENT SHALL USE 651.15, SEED AND ITEM 651.25, HAY MULCH OR ITEM 653.20, TEMPORARY EROSION MATTING AS DIRECTED BY THE RESIDENT ENGINEER. GRADES 2.5 PERCENT OR GREATER SHALL USE ITEM 649.31, GEOTEXTILE UNDER STONE FILL AND ITEM 613.10, STONE FILL TYPE I AS DIRECTED BY THE RESIDENT ENGINEER.

3. ESTIMATED QUANTITIES OF TEMPORARY EROSION MATTING, SEED, STONE FILL AND GEOTEXTILE UNDER STONE FILL HAVE BEEN INCLUDED AS NEEDED OR AS DIRECTED BY THE RESIDENT ENGINEER.

SEEDING FORMULA

RATE: DOUBLE IF HYDROSEEDING

% WT.	LBS./A.	NAME	PUR %	GERM %
38	32	CREEPING RED FESCUE	98	90
29	24	SPARTAN HARD FESCUE	95	85
15	12	AZAY SHEEP'S FESCUE	95	87
15	12	ANNUAL RYE GRASS	95	90
3	--	INERTS	--	--
100.0	80 LB/A			

NOTES

SEED MIXTURE: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.

SEED ITEM 651.15: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE RESIDENT ENGINEER.

FERTILIZER ITEM 651.18: FORMULA 10-20-10, TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS./ACRE. (HYDRO SEEDERS MAY USE 19-19-19 FORMULA)

AGRICULTURAL LIMESTONE ITEM 651.20: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE RESIDENT ENGINEER.

HAY MULCH ITEM 651.25: TO BE PLACED ON THE EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE RESIDENT ENGINEER.

TOPSOIL ITEM 651.35: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER.

NOT TO SCALE

Stantec

DITCH CLEANING DETAIL SHEET

PROJECT NAME: BARTON-IRASBURG
PROJECT NUMBER: IM 091-3(48)

FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286dcs.i
PLOT DATE: 06-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 5 OF 40

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 1

SUMMARY OF ESTIMATED QUANTITIES					TOTALS	DESCRIPTIONS			
ROADWAY	EMPLOYEE TRAINEESHIP	BRIDGE	EROSION CONTROL	FULL C.E. ITEMS	GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUND
675					675	CY	EARTH BORROW	203.30	EST.
43000					43000	LF	SHOULDER BERM REMOVAL	203.40	379
1					1	CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22	-
328000					328000	SY	COLD PLANING, BITUMINOUS PAVEMENT	210.10	1634
121500					121500	LF	MILLED RUMBLE STRIPS	213.10	1242
780					780	TON	AGGREGATE SHOULDERS, RAP	402.13	8
1					1	LU	PRICE ADJUSTMENT, ASPHALT CEMENT (N.A.B.I.)	406.50	-
38200					38200	TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	490.30	148
1					1	LU	AIR VOIDS PAY ADJUSTMENT (N.A.B.I.)	490.31	-
1					1	LU	MAT DENSITY PAY ADJUSTMENT (N.A.B.I.)	490.32	-
1					1	LU	SURFACE TOLERANCE PAY ADJUSTMENT (N.A.B.I.)	490.33	-
1					1	LU	LONGITUDINAL JOINT COMPACTION PAY ADJUSTMENT (N.A.B.I.)	490.34	-
		450			450	LF	BRIDGE EXPANSION JOINT, ASPHALTIC PLUG	516.10	2
		100			100	CF	RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE	580.20	EST.
5					5	EACH	CHANGING ELEVATION OF DROP INLETS, CATCH BASINS, OR MANHOLES	604.40	EST.
15					15	EACH	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I	604.412	EST.
4					4	EACH	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS II	604.415	EST.
100					100	HR	POWER GRADER RENTAL	608.15	EST.
400					400	HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25	EST.
50					50	HR	POWER BROOM RENTAL, TYPE I	608.30	EST.
50					50	HR	POWER BROOM RENTAL, TYPE II	608.31	EST.
400					400	HR	TRUCK RENTAL	608.37	EST.
			51		51	CY	STONE FILL, TYPE I	613.10	0.7
			50		50	CY	STONE FILL, TYPE II	613.11	EST.
195					195	LF	BITUMINOUS CONCRETE CURB, TYPE A	616.305	EST.
200					200	LF	TREATED TIMBER CURB	616.35	EST.
12450					12450	LF	REMOVAL OF EXISTING CURB	616.41	44
8					8	TON	BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS	616.47	-
385					385	EACH	YIELDING MARKER POSTS	619.17	7
2900					2900	LF	STEEL BEAM GUARDRAIL, GALVANIZED	621.20	5
27					27	EACH	MANUFACTURED TERMINAL SECTION, FLARED	621.50	-
10					10	EACH	ANCHOR FOR STEEL BEAM RAIL	621.60	-
38					38	EACH	ANCHOR FOR CABLE RAIL	621.65	EST.
300					300	EACH	REPLACE GUARDRAIL POST ASSEMBLY	621.76	EST.
800					800	EACH	REPLACE GUARDRAIL BEAM UNIT	621.77	EST.
3618					3618	LF	ADJUST HEIGHT OF GUARDRAIL	621.79	EST.
1150					1150	LF	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80	-

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		ITEM 210.10 COLD PLANING - BITUMINOUS PAVEMENT
153425	SY	NORTHBOUND MAINLINE
1182	SY	NORTHBOUND BRIDGES
153314	SY	SOUTHBOUND MAINLINE
1294	SY	SOUTHBOUND BRIDGES
4154	SY	INTERCHANGE NO. 25 RAMPS
12305	SY	INTERCHANGE NO. 26 RAMPS
185	SY	U-TURNS - COLD PLANED
507	SY	U-TURNS - OVERLAY TRANSITION AREAS
1634	SY	ROUNDING
328000	SY	TOTAL
		ITEM 213.10 MILLED RUMBLE STRIPS
61700	LF	NORTHBOUND
58558	LF	SOUTHBOUND
1242	LF	ROUNDING
121500	LF	TOTAL
		ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (TYPE IVS)
13425	TON	NORTHBOUND MAINLINE WEARING COURSE
86	TON	NORTHBOUND BRIDGES WEARING COURSE
13415	TON	SOUTHBOUND MAINLINE WEARING COURSE
95	TON	SOUTHBOUND BRIDGES WEARING COURSE
363	TON	INTERCHANGE NO. 25 RAMPS WEARING COURSE
1077	TON	INTERCHANGE NO. 26 RAMPS WEARING COURSE
156	TON	U-TURNS WEARING COURSE
9435	TON	LEVELING
148	TON	ROUNDING
38200	TON	TOTAL
		ITEM 613.10 STONE FILL, TYPE I
31	CY	DITCH CLEANING
19.3	CY	SLOPE EROSION REPAIR
0.7	CY	ROUNDING
51	CY	TOTAL

PROJECT NAME: BARTON - IRASBURG
PROJECT NUMBER: IM 091-3(48)

FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286qs01.i
PLOT DATE: 06-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 6 OF 40

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 2

SUMMARY OF ESTIMATED QUANTITIES					TOTALS		DESCRIPTIONS		
ROADWAY	EMPLOYEE TRAINEESHIP	BRIDGE	EROSION CONTROL	FULL C.E. ITEMS	GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUND
1500					1500	HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST.
1000					1000	HR	FLAGGERS	630.15	EST.
				1	1	LS	FIELD OFFICE, ENGINEERS	631.10	-
				1	1	LS	TESTING EQUIPMENT, CONCRETE	631.16	-
				1	1	LS	TESTING EQUIPMENT, BITUMINOUS	631.17	-
				3000	3000	DL	FIELD OFFICE TELEPHONE (N.A.B.I.)	631.26	-
	520				520	HR	EMPLOYEE TRAINEESHIP	634.10	-
1					1	LS	MOBILIZATION/DEMOBILIZATION	635.11	-
1					1	LS	TRAFFIC CONTROL	641.10	-
2					2	EACH	PORTABLE CHANGEABLE MESSAGE SIGN	641.15	-
99800					99800	LF	DURABLE 6 INCH WHITE LINE, RECESSED POLYUREA	646.426	959
80000					80000	LF	DURABLE 6 INCH YELLOW LINE, RECESSED POLYUREA	646.436	827
2660					2660	LF	DURABLE 12 INCH WHITE LINE, RECESSED POLYUREA	646.466	29
34					34	EACH	DURABLE LETTER OR SYMBOL, POLYUREA	646.494	-
199700					199700	LF	TEMPORARY 6 INCH WHITE LINE, PAINT	646.622	2018
159900					159900	LF	TEMPORARY 6 INCH YELLOW LINE, PAINT	646.632	1555
5300					5300	LF	TEMPORARY 12 INCH WHITE LINE, PAINT	646.662	38
68					68	EACH	TEMPORARY LETTER OR SYMBOL, PAINT	646.692	-
6250					6250	EACH	LINE STRIPING TARGETS	646.76	55
			260		260	SY	GEOTEXTILE UNDER STONE FILL	649.31	2.6
			100		100	LB	SEED	651.15	3
			500		500	LB	FERTILIZER	651.18	EST.
			2		2	TON	AGRICULTURAL LIMESTONE	651.20	EST.
			2		2	TON	HAY MULCH	651.25	EST.
			25		25	CY	TOPSOIL	651.35	EST.
			1900		1900	SY	TEMPORARY EROSION MATTING	653.20	14
96					96	EACH	DELINEATOR WITH STEEL POST	676.10	1
95					95	EACH	REMOVAL OF EXISTING DELINEATOR	676.12	2
1					1	LU	PRICE ADJUSTMENT, FUEL (N.A.B.I.)	690.50	-
1205					1205	EACH	SPECIAL PROVISION (CABLE GUARDRAIL J-BOLT, GALVANIZED)	900.620	EST.
42					42	EACH	SPECIAL PROVISION (CABLE GUARDRAIL SPLICE UNIT)	900.620	EST.
56					56	EACH	SPECIAL PROVISION (DECOMMISSION CURB DROP INLET)	900.620	EST.
500					500	LF	SPECIAL PROVISION (REPLACEMENT OF GUARDRAIL CABLE)	900.640	EST.
5					5	TON	SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT SURFACE PREPARATION, TYPE I)	900.680	EST.
2870					2870	CWT	SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-1H OR CRS-1H)	900.683	24

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		ITEM 649.31 GEOTEXTILE UNDER STONE FILL
141	SY	DITCH CLEANING
116.4	SY	SLOPE EROSION REPAIR
2.6	SY	ROUNDING
260	SY	TOTAL
		ITEM 651.15 SEED
17	LB	DITCH CLEANING
80	LB	EROSION CONTROL
3	LB	ROUNDING
100	LB	TOTAL
		ITEM 653.20 TEMPORARY EROSION MATTING
1061	SY	DITCH CLEANING
625	SY	GUARDRAIL M.T.S.
200	SY	SEED PROTECTION
14	SY	ROUNDING
1900	SY	TOTAL

PROJECT NAME: BARTON - IRASBURG
PROJECT NUMBER: IM 091-3(48)

FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286qs02.i
PLOT DATE: 06-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 7 OF 40

ITEM DETAIL SUMMARY SHEET 1

LOCATION			GUARDRAIL											MISCELLANEOUS										REMARKS
			621.20	621.50	621.60	621.65	621.76	621.77	621.79	621.80	900.620	900.620	900.640	203.30	203.40	402.13	604.40	604.412 604.415	613.10	616.305	616.35	616.41		
BEGIN MILE MARKER	END MILE MARKER	POS.	S.B. G.R. GALV.	MTS, FLARED	ANCHOR FOR S.B. G.R.	ANCHOR FOR CABLE RAIL	REPLACE G.R. POST ASS.	REPLACE G.R. BEAM UNIT	ADJUST HT. OF GUARD RAIL	REMOV. & DISP. G.R.	S.P. (CABLE G.R. J-BOLT GALV.)	S.P. (CABLE G.R. SPLICE UNIT)	REPLACE-MENT OF G.R. CABLE	EARTH BORROW	SHLDR BERM REMOV.	AGG. SHLDRS., RAP	CHANGE ELEV. DI, CB,OR MH	REHAB DI, CB, OR MH, CL I OR II	STONE FILL, TYPE I	BIT. CONC. CURB, TYPE A	TREATED TIMBER CURB	REMOV. OF EXIST. CURB		
			LF	EA	EA	EA	EA	EA	LF	LF	EA	EA	LF	CY	LF	TON	EA	EA	CY	LF	LF	LF		
NORTHBOUND																								
155.989	163.000					19	150	400					250			355	5	9			100		QUANTITIES FOR USE AS DIRECTED BY THE ENGINEER
156.074	156.188	RT									25	1			602							180	REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REMOVE TREATED TIMBER CURB MM 156.074 TO 156.108
156.320	156.386	LT	237.5	1					19	37.5				25	75								INSTALL MTS FLARED MM 156.320 TO 156.327
156.329	156.383	RT	175	1					19	37.5				25	75								INSTALL MTS FLARED MM 156.329 TO 156.336
156.588	157.113	RT		1					685	37.5				25	2738								INSTALL MTS FLARED MM 156.588 TO 156.595
157.066	157.134	LT	212.5	1					28	37.5				25	113								INSTALL MTS FLARED MM 157.066 TO 157.073
157.141		RT																	1.1				REPAIR SLOPE EROSION
157.204	157.353	RT									33	1			787								REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
157.636	157.759	RT									27	1			649							581	REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REMOVE TREATED TIMBER CURB MM 157.641 TO 157.751
157.901	158.017	LT									25	1			612								REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
157.911	158.036	RT									27	1			660							322	REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REMOVE TREATED TIMBER CURB MM 157.967 TO 158.028
158.061	158.179	RT	14.5	1	1				141	50				25	563							412	INSTALL MTS FLARED MM 158.061 TO 158.068; INSTALL ANCHOR AT MM 158.176. REMOVE TREATED TIMBER MM 158.094 TO 158.172
158.217	158.310	LT									20	1			491								REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
158.234	158.342	RT									24	1			570							158	REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REMOVE TREATED TIMBER CURB MM 158.304 TO 158.334
158.416	158.540	LT	14.5	1	1				147	50				25	588								INSTALL MTS FLARED MM 158.416 TO 158.423; INSTALL ANCHOR AT MM 158.537
158.466	158.603	RT	14.5	1	1				166	50				25	663							174	INSTALL MTS FLARED MM 158.466 TO 158.473; INSTALL ANCHOR AT MM 158.601. REMOVE TREATED TIMBER CURB MM 158.563 TO 158.596
158.631	158.723	RT	14.5	1	1				97	50				25	388							232	INSTALL MTS FLARED MM 158.639 TO 158.646; INSTALL ANCHOR AT MM 158.721. REMOVE TREATED TIMBER CURB MM 158.672 TO 158.716
158.635	158.700	LT	14.5	1	1				72	62.5				25	288								INSTALL MTS FLARED MM 158.635 TO 158.642; INSTALL ANCHOR AT MM 158.699
158.786	158.887	LT									22	1			533								REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
158.900	159.019	RT	14.5	1	1				141	50				25	563							417	INSTALL MTS FLARED MM 158.900 TO 158.907; INSTALL ANCHOR AT MM 159.106. REMOVE TREATED TIMBER CURB MM 158.935 TO 159.014
159.174	159.484	RT									74	2			1637							1278	REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REMOVE TREATED TIMBER CURB MM 159.203 TO 159.445
159.192	159.269	LT									16	1			407								REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
159.267	159.270	RT																	3.3				REPAIR SLOPE EROSION
159.370	159.452	LT									17	1			433							280	REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REMOVE TREATED TIMBER CURB MM 159.392 TO 159.445
159.633	159.687	LT									10	1			285							275	REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REMOVE TREATED TIMBER CURB MM 159.613 TO 159.665
159.646	159.790	RT		1					185	25				25	738								INSTALL MTS FLARED MM 159.644 TO 159.651
159.733	159.799	LT	237.5	1					19	37.5				25	75								INSTALL MTS FLARED MM 159.733 TO 159.740
159.853	160.448	RT	14.5		1				778	25					3113							1088	INSTALL ANCHOR AT MM 160.445. REMOVE TREATED TIMBER CURB MM 160.237 TO 160.443
SHEET SUBTOTALS:			964	12	7	19	150	400	2497	550	320	13	250	300	17646	355	5	9	4.4		100	5397	

ITEM DETAIL SUMMARY SHEET #1

PROJECT NAME: BARTON - IRASBURG
PROJECT NUMBER: IM 091-3(48)

FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286idss01.i

PLOT DATE: 06-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 8 OF 40

ITEM DETAIL SUMMARY SHEET 2

LOCATION			MISCELLANEOUS																REMARKS
BEGIN MILE MARKER	END MILE MARKER	POS.	616.47 BIT. CONC. GUTTERS & TRAFF. ISL. TON	619.17 YIELDING MARKER POSTS EA	649.31 GEOTEXTILE UNDER STONE FILL SY	653.20 TEMP. EROSION MATTING SY	676.10 DEL. W/STEEL POST TYPE I EA	676.12 REMOVAL OF EXIST. DELINEATOR EA	900.620 S.P. (DECOMM. CURB DI) EA										
NORTHBOUND																			
155.989	163.000			224															QUANTITIES FOR USE AS DIRECTED BY THE ENGINEER
156.074	156.188	RT					1	1	1										REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REMOVE TREATED TIMBER CURB MM 156.074 TO 156.108
156.320	156.386	LT				25	1	1											INSTALL MTS FLARED MM 156.320 TO 156.327
156.329	156.383	RT				25	1	1											INSTALL MTS FLARED MM 156.329 TO 156.336
156.588	157.113	RT				25	1												INSTALL MTS FLARED MM 156.588 TO 156.595
157.066	157.134	LT				25													INSTALL MTS FLARED MM 157.066 TO 157.073
157.141		RT			7.2														REPAIR SLOPE EROSION
157.204	157.353	RT					1	1											REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
157.636	157.759	RT					2	2	2										REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REMOVE TREATED TIMBER CURB MM 157.641 TO 157.751
157.901	158.017	LT					2	2											REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
157.911	158.036	RT					2	2	1										REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REMOVE TREATED TIMBER CURB MM 157.967 TO 158.028
158.061	158.179	RT					2	2	2										INSTALL MTS FLARED MM 158.061 TO 158.068; INSTALL ANCHOR AT MM 158.176. REMOVE TREATED TIMBER MM 158.094 TO 158.172
158.217	158.310	LT					2	2											REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
158.234	158.342	RT					2	2	1										REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REMOVE TREATED TIMBER CURB MM 158.304 TO 158.334
158.416	158.540	LT				25	2	2											INSTALL MTS FLARED MM 158.416 TO 158.423; INSTALL ANCHOR AT MM 158.537
158.466	158.603	RT				25	2	1	1										INSTALL MTS FLARED MM 158.466 TO 158.473; INSTALL ANCHOR AT MM 158.601. REMOVE TREATED TIMBER CURB MM 158.563 TO 158.596
158.631	158.723	RT				25	2	2	1										INSTALL MTS FLARED MM 158.639 TO 158.646; INSTALL ANCHOR AT MM 158.721. REMOVE TREATED TIMBER CURB MM 158.672 TO 158.716
158.635	158.700	LT				25	2	2											INSTALL MTS FLARED MM 158.635 TO 158.642; INSTALL ANCHOR AT MM 158.699
158.786	158.887	LT					2	2											REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
158.900	158.019	RT				25	2	2	3										INSTALL MTS FLARED MM 158.900 TO 158.907; INSTALL ANCHOR AT MM 159.106. REMOVE TREATED TIMBER CURB MM 158.935 TO 159.014
159.174	159.484	RT					2	2	10										REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REMOVE TREATED TIMBER CURB MM 159.203 TO 159.445
159.192	159.269	LT					2	2											REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
159.267	159.270	RT			16														REPAIR SLOPE EROSION
159.370	159.452	LT					2	2	1										REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REMOVE TREATED TIMBER CURB MM 159.392 TO 159.445
159.633	159.687	LT																	REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REMOVE TREATED TIMBER CURB MM 159.613 TO 159.665
159.646	159.790	RT				25	1	1											INSTALL MTS FLARED MM 159.644 TO 159.651
159.733	159.799	LT				25	1	1											INSTALL MTS FLARED MM 159.733 TO 159.740
159.853	160.448	RT					1	1	5										INSTALL ANCHOR AT MM 160.445. REMOVE TREATED TIMBER CURB MM 160.237 TO 160.443
SHEET SUBTOTALS:			-	224	23.2	275	38	36	28										

ITEM DETAIL SUMMARY SHEET #2

PROJECT NAME: BARTON - IRASBURG
PROJECT NUMBER: IM 091-3(48)

FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286idss02.i

PLOT DATE: 06-JUL-2011
DRAWN BY: STANTEC
CHECKED BY:
SHEET 9 OF 40

ITEM DETAIL SUMMARY SHEET 3

LOCATION			GUARDRAIL											MISCELLANEOUS										REMARKS
			621.20	621.50	621.60	621.65	621.76	621.77	621.79	621.80	900.620	900.620	900.640	203.30	203.40	402.13	604.40	604.412 604.415	613.10	616.305	616.35	616.41		
BEGIN MILE MARKER	END MILE MARKER	POS.	S.B. G.R. GALV.	MTS, FLARED	ANCHOR FOR S.B. G.R.	ANCHOR FOR CABLE RAIL	REPLACE G.R. POST ASS.	REPLACE G.R. BEAM UNIT	ADJUST HT. OF GUARD RAIL	REMOV. & DISP. G.R.	S.P. (CABLE G.R. J-BOLT GALV.)	S.P. (CABLE G.R. SPLICE UNIT)	REPLACE-MENT OF G.R. CABLE	EARTH BORROW	SHLDR BERM REMOV.	AGG. SHLDRS., RAP	CHANGE ELEV. DI, CB,OR MH	REHAB DI, CB, OR MH, CL I OR II	STONE FILL, TYPE I	BIT. CONC. CURB, TYPE A	TREATED TIMBER CURB	REMOV. OF EXIST. CURB		
			LF	EA	EA	EA	EA	EA	LF	LF	EA	EA	LF	CY	LF	TON	EA	EA	CY	LF	LF	LF		
NORTHBOUND (CONT.)																								
159.860	159.959	LT									21	1			523									REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
160.127	160.420	LT									69	2			1547							924		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REMOVE TREATED TIMBER CURB MM 160.237 TO 160.412
160.861	161.041	RT									42	1			950				2.2			665		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REPAIR SLOPE EROSION AT MM 160.929 & 161.032. REMOVE TREATED TIMBER CURB MM 160.908 TO 161.034
160.959	161.022	LT									12	1			333									REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
161.294	161.406	RT		1					141	25				25	563									INSTALL MTS FLARED MM 161.294 TO 161.301
161.345	161.413	LT	250	1					19	37.5				25	75									INSTALL MTS FLARED MM 161.345 TO 161.352
161.748	162.026	RT									66	2			1468									REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
162.583	162.671	RT									18	1			465							322		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REMOVE TREATED TIMBER CURB MM 162.602 TO 162.663
SOUTHBOUND																								
155.987	163.000					17	150	400					250			355		6		195	100			QUANTITIES FOR USE AS DIRECTED BY THE ENGINEER
155.987	156.076	RT	237.5	1					19	37.5				25	75									INSTALL MTS FLARED MM 156.069 TO 156.076
155.987	156.065	LT	187.5	1					19	37.5				25	75									INSTALL MTS FLARED MM 156.058 TO 156.065
156.082	156.222	LT									31	1			739				2.8			193		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REPAIR SLOPE EROSION AT MM 156.104-156.106; REMOVE BITUMINOUS CONCRETE CURB MM 156.090 TO 156.126
156.434	156.523	RT	237.5	1					22	37.5				25	88									INSTALL MTS FLARED MM 156.516 TO 156.523
156.435	156.515	LT	200	1					19	37.5				25	75									INSTALL MTS FLARED MM 156.508 TO 156.515
157.215	157.303	RT	237.5	1					19	37.5				25	75									INSTALL MTS FLARED MM 157.296 TO 157.303
157.230	157.310	LT	37.5	1					59	37.5				25	238									INSTALL MTS FLARED MM 157.303 TO 157.310
157.889	158.024	LT									30	1			713									REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
157.929	158.037	RT									24	1			570							417		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REMOVE TREATED TIMBER CURB MM 157.937 TO 158.016
158.090	158.249	LT	14.5	1	1				194	62.5				25	775									INSTALL ANCHOR AT MM 158.093. INSTALL MTS FLARED MM 158.242 TO 158.249
158.430	158.606	LT									40	1			929									REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
158.446	158.577	RT	14.5	1	1				156	62.5				25	625							407		INSTALL ANCHOR AT MM 158.449. INSTALL MTS FLARED MM 158.570 TO 158.577. REMOVE TREATED TIMBER CURB MM 158.460 TO 158.537
158.667	158.767	LT									21	1			528									REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
158.670	158.757	RT									18	1			459							290		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REMOVE TREATED TIMBER CURB MM 158.677 TO 158.732
158.962	159.029	LT									13	1			354									REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
158.979	159.056	RT									16	1			407							248		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REMOVE TREATED TIMBER CURB MM 158.987 TO 159.034
159.270	159.848	RT									140	3			3052							1051		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REMOVE TREATED TIMBER CURB MM 159.278 TO 159.477
159.370	159.766	LT									95	2			2091							523		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REMOVE TREATED TIMBER CURB MM 159.378 TO 159.477
159.893	160.053	RT		1					166	25				25	663									INSTALL MTS FLARED MM 160.046 TO 160.053
SHEET SUBTOTALS:			1416.5	11	2	17	150	400	833	437.5	656	21	250	275	18455	355	-	6	5.0	195	100	5040		

ITEM DETAIL SUMMARY SHEET #3

PROJECT NAME: BARTON - IRASBURG
PROJECT NUMBER: IM 091-3(48)

FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286idss03.i

PLOT DATE: 06-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 10 OF 40

ITEM DETAIL SUMMARY SHEET 4

LOCATION			MISCELLANEOUS															REMARKS
BEGIN MILE MARKER	END MILE MARKER	POS.	616.47 BIT. CONC. GUTTERS & TRAFF. ISL. TON	619.17 YIELDING MARKER POSTS EA	649.31 GEOTEXTILE UNDER STONE FILL SY	653.20 TEMP. EROSION MATTING SY	676.10 DEL. W/STEEL POST TYPE I EA	676.12 REMOVAL OF EXIST. DELINEATOR EA	900.620 S.P. (DECOMM. CURB DI EA									
NORTHBOUND (CONT.)																		
159.860	159.959	LT					1	1										REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
160.127	160.420	LT					2	2	4									REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REMOVE TREATED TIMBER CURB MM 160.237 TO 160.412
160.861	161.041	RT			14.4		2	2	3									REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REPAIR SLOPE EROSION AT MM 160.929 & 161.032. REMOVE TREATED TIMBER CURB MM 160.908 TO 161.034
160.959	161.022	LT					2	2										REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
161.294	161.406	RT				25	1	1										INSTALL MTS FLARED MM 161.294 TO 161.301
161.345	161.413	LT				25	1	1										INSTALL MTS FLARED MM 161.345 TO 161.352
161.748	162.026	RT					2	2										REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
162.583	162.671	RT					2	2	2									REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REMOVE TREATED TIMBER CURB MM 162.602 TO 162.663
SOUTHBOUND																		
155.987	163.000			134														QUANTITIES FOR USE AS DIRECTED BY THE ENGINEER
155.987	156.076	RT				25	1	1										INSTALL MTS FLARED MM 156.069 TO 156.076
155.987	156.065	LT				25	1	1										INSTALL MTS FLARED MM 156.058 TO 156.065
156.082	156.222	LT			14		2	2										REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REPAIR SLOPE EROSION AT MM 156.104-156.106; REMOVE BITUMINOUS CONCRETE CURB MM 156.090 TO 156.126
156.434	156.523	RT				25	1	1										INSTALL MTS FLARED MM 156.516 TO 156.523
156.435	156.515	LT				25	1	1										INSTALL MTS FLARED MM 156.508 TO 156.515
157.215	157.303	RT				25	1	1										INSTALL MTS FLARED MM 157.296 TO 157.303
157.230	157.310	LT				25	1	1										INSTALL MTS FLARED MM 157.303 TO 157.310
157.889	158.024	LT					2	2										REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
157.929	158.037	RT					2	2	2									REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REMOVE TREATED TIMBER CURB MM 157.937 TO 158.016
158.090	158.249	LT				25	2	2										INSTALL ANCHOR AT MM 158.093. INSTALL MTS FLARED MM 158.242 TO 158.249
158.430	158.606	LT					2	2										REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
158.446	158.577	RT				25	2	2	2									INSTALL ANCHOR AT MM 158.449. INSTALL MTS FLARED MM 158.570 TO 158.577. REMOVE TREATED TIMBER CURB MM 158.460 TO 158.537
158.667	158.767	LT					2	2										REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
158.670	158.757	RT							1									REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REMOVE TREATED TIMBER CURB MM 158.677 TO 158.732
158.962	159.029	LT					2	2										REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
158.979	159.056	RT					2	2	1									REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REMOVE TREATED TIMBER CURB MM 158.987 TO 159.034
159.270	159.848	RT					1	1	2									REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REMOVE TREATED TIMBER CURB MM 159.278 TO 159.477
159.370	159.766	LT					2	2	2									REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REMOVE TREATED TIMBER CURB MM 159.378 TO 159.477
159.893	160.053	RT				25	1	1										INSTALL MTS FLARED MM 160.046 TO 160.053
SHEET SUBTOTALS:			-	134	28.4	275	41	41	19									

ITEM DETAIL SUMMARY SHEET #4

PROJECT NAME: BARTON - IRASBURG
PROJECT NUMBER: IM 091-3(48)

FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286idss04.i

PLOT DATE: 06-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 11 OF 40

ITEM DETAIL SUMMARY SHEET 5

LOCATION			GUARDRAIL											MISCELLANEOUS										REMARKS
			621.20	621.50	621.60	621.65	621.76	621.77	621.79	621.80	900.620	900.620	900.640	203.30	203.40	402.13	604.40	604.412 604.415	613.10	616.305	616.35	616.41		
BEGIN MILE MARKER	END MILE MARKER	POS.	S.B. G.R. GALV.	MTS, FLARED	ANCHOR FOR S.B. G.R.	ANCHOR FOR CABLE RAIL	REPLACE G.R. POST ASS.	REPLACE G.R. BEAM UNIT	ADJUST HT. OF GUARD RAIL	REMOV. & DISP. G.R.	S.P. (CABLE G.R. J-BOLT GALV.)	S.P. (CABLE G.R. SPLICE UNIT)	REPLACE-MENT OF G.R. CABLE	EARTH BORROW	SHLDR BERM REMOV.	AGG. SHLDRS., RAP	CHANGE ELEV. DI, CB,OR MH	REHAB DI, CB, OR MH, CL I OR II	STONE FILL, TYPE I	BIT. CONC. CURB, TYPE A	TREATED TIMBER CURB	REMOV. OF EXIST. CURB		
			LF	EA	EA	EA	EA	EA	LF	LF	EA	EA	LF	CY	LF	TON	EA	EA	CY	LF	LF	LF		
SOUTHBOUND (CONT.)																								
159.894	160.086	LT		1					206	25				25	825									INSTALL MTS FLARED MM 160.079 TO 160.086
160.251	160.464	LT									50	1			1125				1.1			628		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REPAIR SLOPE EROSION AT MM 160.274
																								REMOVE TREATED TIMBER CURB MM 160.258 TO 160.377
160.252	160.463	RT									49	1			1114				5.5			908		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REPAIR SLOPE EROSION AT MM 160.259, 160.338,
																								160.357, 160.362, 160.367. REMOVE TREATED TIMBER CURB MM 160.260 TO 160.432
160.995	161.108	RT									25	1			597				2.2			433		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REPAIR SLOPE EROSION AT MM 161.049 & 161.057
																								REMOVE TREATED TIMBER CURB MM 161.004 TO 161.086
161.021	161.093	LT									15	1			380									REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
161.473	161.552	LT	187.5	1					19	37.5				25	75									INSTALL MTS FLARED MM 161.545 TO 161.552
161.488	161.576	RT	312.5	1					19	37.5				25	75									INSTALL MTS FLARED MM 161.569 TO 161.576
161.694	161.789	LT									21	1			502									REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
162.345	162.390	LT	14.5	1	1				44	62.5				25	175									INSTALL ANCHOR AT MM 162.350. INSTALL MTS FLARED MM 162.382 TO 162.389
162.624	162.719	RT									21	1			502									REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
EXIT 25 RAMP C																								
0.032	0.148															6								QUANTITIES FOR USE AS DIRECTED BY THE ENGINEER
EXIT 25 RAMP D																								
0.006	0.098															6		1						QUANTITIES FOR USE AS DIRECTED BY THE ENGINEER
0.048	0.098	RT				1					9	1			263									REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
0.059		RT																	1.1					REPAIR SLOPE EROSION
EXIT 26 RAMP A																								
0.039	0.207	RT				1					39	1			887									REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
0.039	0.248															13		1						QUANTITIES FOR USE AS DIRECTED BY THE ENGINEER
EXIT 26 RAMP B																								
0.000	0.159															11		2						QUANTITIES FOR USE AS DIRECTED BY THE ENGINEER
0.100		RT																						CONSTRUCT BITUMINOUS CONCRETE GUTTER - SEE THE MISCELLANEOUS DETAIL SHEET
0.131		RT																						CONSTRUCT BITUMINOUS CONCRETE GUTTER - SEE THE MISCELLANEOUS DETAIL SHEET
0.183		RT																						CONSTRUCT BITUMINOUS CONCRETE GUTTER - SEE THE MISCELLANEOUS DETAIL SHEET
EXIT 26 RAMP C																								
0.024	0.217															11								QUANTITIES FOR USE AS DIRECTED BY THE ENGINEER
0.108		RT																						CONSTRUCT BITUMINOUS CONCRETE GUTTER - SEE THE MISCELLANEOUS DETAIL SHEET
0.148		RT																						CONSTRUCT BITUMINOUS CONCRETE GUTTER - SEE THE MISCELLANEOUS DETAIL SHEET
0.192		RT																						CONSTRUCT BITUMINOUS CONCRETE GUTTER - SEE THE MISCELLANEOUS DETAIL SHEET
0.204		RT																						CONSTRUCT BITUMINOUS CONCRETE GUTTER - SEE THE MISCELLANEOUS DETAIL SHEET
EXIT 26 RAMP D																								
0.008	0.213															11								QUANTITIES FOR USE AS DIRECTED BY THE ENGINEER
EXIT 26 RAMP E																								
0.021	0.032															2								QUANTITIES FOR USE AS DIRECTED BY THE ENGINEER
EXIT 26 RAMP F																								
0.024	0.032															2								QUANTITIES FOR USE AS DIRECTED BY THE ENGINEER
SHEET 1 SUBTOTALS:			964	12	7	19	150	400	2497	550	320	13	250	300	17646	355	5	9	4.4	-	100	5397		
SHEET 3 SUBTOTALS:			1416.5	11	2	17	150	400	833	437.5	656	21	250	275	18455	355	-	6	5.0	195	100	5040		* THESE TOTALS ARE CARRIED FORWARD TO THE DETAILED SUMMARY OF QUANTITIES ON THE QUANTITY SHEETS
SHEET 5 SUBTOTALS:			514.5	4	1	2	-	-	288	162.5	229	8	-	100	5695	62	-	4	9.9	-	-	1969		
SUBTOTALS:			2895	27	10	38	300	800	3618	1150	1205	42	500	675	41796	772	5	19	19.3	195	200	12406		
ROUNDING:			5.0	-	-	-	-	-	-	-	-	-	-	-	204	8	-	-	-	-	-	44		
TOTALS:			2900	27	10	38	300	800	3618	1150	1205	42	500	675	42000	780	5	19	19.3 *	195	200	12450		

ITEM DETAIL SUMMARY SHEET #5

PROJECT NAME: BARTON - IRASBURG
PROJECT NUMBER: IM 091-3(48)

FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286idss05.i

PLOT DATE: 06-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 12 OF 40

ITEM DETAIL SUMMARY SHEET 6

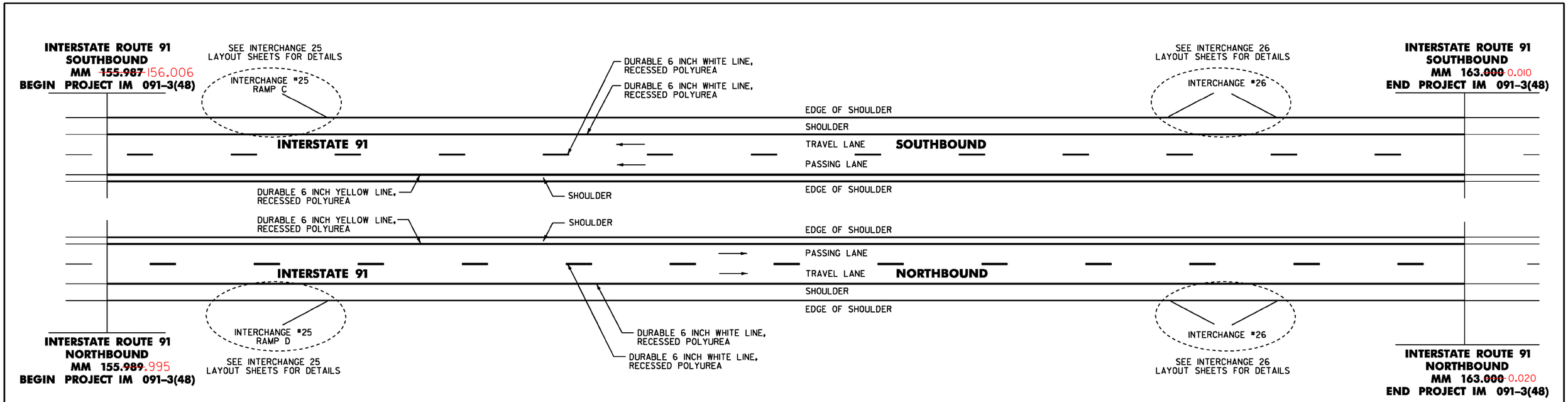
LOCATION			MISCELLANEOUS																REMARKS
			616.47	619.17	649.31	653.20	676.10	676.12	900.620										
BEGIN MILE MARKER	END MILE MARKER	POS.	BIT. CONC. GUTTERS & TRAFF. ISL.	YIELDING MARKER POSTS	GEOTEXTILE UNDER STONE FILL	TEMP. EROSION MATTING	DEL. W/STEEL POST TYPE I	REMOVAL OF EXIST. DELINEATOR	S.P. (DECOMM. CURB DI)										
			TON	EA	SY	SY	EA	EA	EA										
SOUTHBOUND																			
160.251	160.464	LT			7.2		2	2	3										REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REPAIR SLOPE EROSION AT MM 160.274
																			REMOVE TREATED TIMBER CURB MM 160.258 TO 160.377
160.252	160.463	RT			36		2	2	4										REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REPAIR SLOPE EROSION AT MM 160.259, 160.338,
																			160.357, 160.362, 160.367. REMOVE TREATED TIMBER CURB MM 160.260 TO 160.432
160.995	161.108	RT			14.4		2	2	2										REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REPAIR SLOPE EROSION AT MM 161.049 & 161.057
																			REMOVE TREATED TIMBER CURB MM 161.004 TO 161.086
161.021	161.093	LT					2	2											REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
161.473	161.552	LT				25	1	1											INSTALL MTS FLARED MM 161.545 TO 161.552
161.488	161.576	RT				25	1	1											INSTALL MTS FLARED MM 161.569 TO 161.576
161.694	161.789						2	2											REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
162.345	162.390	LT				25	2	2											INSTALL ANCHOR AT MM 162.350. INSTALL MTS FLARED MM 162.382 TO 162.389
162.624	162.719	RT					2	2											REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
EXIT 25 RAMP C																			
0.032	0.148			4															QUANTITIES FOR USE AS DIRECTED BY THE ENGINEER
EXIT 25 RAMP D																			
0.006	0.098	LT		6															QUANTITIES FOR USE AS DIRECTED BY THE ENGINEER
0.048	0.098	RT																	REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
0.059		RT			7.2														REPAIR SLOPE EROSION
EXIT 26 RAMP A																			
0.039	0.207	RT																	REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
0.039	0.248			4															QUANTITIES FOR USE AS DIRECTED BY THE ENGINEER
EXIT 26 RAMP B																			
0.000	0.159			4															QUANTITIES FOR USE AS DIRECTED BY THE ENGINEER
0.100		RT	1																CONSTRUCT BITUMINOUS CONCRETE GUTTER - SEE THE MISCELLANEOUS DETAIL SHEET
0.131		RT	1.1																CONSTRUCT BITUMINOUS CONCRETE GUTTER - SEE THE MISCELLANEOUS DETAIL SHEET
0.183		RT	1.3																CONSTRUCT BITUMINOUS CONCRETE GUTTER - SEE THE MISCELLANEOUS DETAIL SHEET
EXIT 26 RAMP C																			
0.024	0.217			1															QUANTITIES FOR USE AS DIRECTED BY THE ENGINEER
0.108		RT	1.1																CONSTRUCT BITUMINOUS CONCRETE GUTTER - SEE THE MISCELLANEOUS DETAIL SHEET
0.148		RT	1.1																CONSTRUCT BITUMINOUS CONCRETE GUTTER - SEE THE MISCELLANEOUS DETAIL SHEET
0.192		RT	1.3																CONSTRUCT BITUMINOUS CONCRETE GUTTER - SEE THE MISCELLANEOUS DETAIL SHEET
0.204		RT	1.1																CONSTRUCT BITUMINOUS CONCRETE GUTTER - SEE THE MISCELLANEOUS DETAIL SHEET
EXIT 26 RAMP D																			
0.008	0.213			1															QUANTITIES FOR USE AS DIRECTED BY THE ENGINEER
EXIT 26 RAMP E																			
0.021	0.032																		QUANTITIES FOR USE AS DIRECTED BY THE ENGINEER
EXIT 26 RAMP F																			
0.024	0.032																		QUANTITIES FOR USE AS DIRECTED BY THE ENGINEER
SHEET 2 SUBTOTALS:			-	224	23.2	275	38	36	28										
SHEET 4 SUBTOTALS:			-	134	28.4	275	41	41	19										* THESE TOTALS ARE CARRIED FORWARD TO THE DETAILED SUMMARY OF QUANTITIES ON THE QUANTITY SHEETS
SHEET 6 SUBTOTALS:			8	20	64.8	75	16	16	9										
SUBTOTALS:			8	378	116.4	625	95	93	56										
ROUNDING:			-	7	-	-	1	2	-										
TOTALS:			8	385	116.4 *	625*	96	95	56										

ITEM DETAIL SUMMARY SHEET #6

PROJECT NAME: BARTON - IRASBURG
PROJECT NUMBER: IM 091-3(48)

FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286idss06.i

PLOT DATE: 06-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 13 OF 40



213.10 MILLED RUMBLE STRIPS (SEE NOTE 1)

NORTHBOUND:
MM ~~155.989~~ - MM ~~163.000~~ LT (37018 LF)
MM ~~155.989~~ - MM ~~163.000~~ RT (37018 LF)
.995 .020
SOUTHBOUND:
MM ~~155.987~~ - MM ~~163.000~~ LT (37029 LF)
MM ~~155.987~~ - MM ~~163.000~~ RT (37029 LF)
156.006 .010

604.412 OR 604.415 REHAB. DROP INLETS, CATCH BASINS OR MANHOLES CLASS I OR II(SEE NOTE 2)

NORTHBOUND:	SOUTHBOUND:
~~MM 156.383 RT~~	~~MM 156.090 LT~~
MM 156.437 RT	MM 157.232 LT
MM 159.784 RT	~~MM 157.392 LT~~
~~MM 159.830 RT~~	~~MM 158.740 LT~~
~~MM 160.020 LT~~	MM 161.428 LT
~~MM 161.378 RT~~	~~MM 161.476 LT~~
~~MM 161.432 RT~~	~~EXIT 25 D MM 0.056 RT~~
~~MM 161.479 RT~~	EXIT 26 A MM 0.208 RT
~~MM 161.619 RT~~	EXIT 26 B MM 0.011RT
MM 155.996 RT	EXIT 26 B MM 0.072 RT

616.41 REMOVAL OF EXISTING CURB
SEE ITEM DETAIL SUMMARY SHEETS

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
SEE ITEM DETAIL SUMMARY SHEETS

621.50 MANUFACTURED TERMINAL SECTION, FLARED
SEE ITEM DETAIL SUMMARY SHEETS

621.60 ANCHOR FOR STEEL BEAM RAIL
SEE ITEM DETAIL SUMMARY SHEETS

621.65 ANCHOR FOR CABLE RAIL
SEE ITEM DETAIL SUMMARY SHEETS

621.76 REPLACE GUARDRAIL POST ASSEMBLY
SEE ITEM DETAIL SUMMARY SHEETS

621.77 REPLACE GUARDRAIL BEAM UNIT
SEE ITEM DETAIL SUMMARY SHEETS

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
SEE ITEM DETAIL SUMMARY SHEETS

646.426 DURABLE 6 INCH WHITE LINE, RECESSED POLYUREA

NORTHBOUND:
MM 155.~~989~~ - MM 163.~~000~~ CL (DASHED)
MM 155.~~989~~ - MM 163.~~000~~ RT (SOLID)
.995 .020
SOUTHBOUND:
MM ~~155.987~~ - MM 163.~~000~~ CL (DASHED)
MM ~~155.987~~ - MM 163.~~000~~ LT (SOLID)
156.006 .010

646.436 DURABLE 6 INCH YELLOW LINE, RECESSED POLYUREA

NORTHBOUND:
MM 155.~~989~~ - MM 163.~~000~~ LT (SOLID)
.995 .020
SOUTHBOUND:
MM ~~155.987~~ - MM 163.~~000~~ RT (SOLID)
156.006 .010

646.622 TEMPORARY 6 INCH WHITE LINE, PAINT

NORTHBOUND:
MM 155.~~989~~ - MM 163.~~000~~ CL (DASHED)
MM 155.~~989~~ - MM 163.~~000~~ RT (SOLID)
.995 .020
SOUTHBOUND:
MM ~~155.987~~ - MM 163.~~000~~ CL (DASHED)
MM ~~155.987~~ - MM 163.~~000~~ LT (SOLID)
156.006 .010

646.632 TEMPORARY 6 INCH YELLOW LINE, PAINT

NORTHBOUND:
MM 155.~~989~~ - MM 163.~~000~~ LT (SOLID)
.995 .020
SOUTHBOUND:
MM ~~155.987~~ - MM 163.~~000~~ RT (SOLID)
156.006 .010

676.10 DELINEATOR WITH STEEL POST
SEE ITEM DETAIL SUMMARY SHEETS

676.12 REMOVAL OF EXISTING DELINEATOR
SEE ITEM DETAIL SUMMARY SHEETS

900.620 SPECIAL PROVISION (CABLE GUARDRAIL J-BOLT, GALVANIZED)
SEE ITEM DETAIL SUMMARY SHEETS

900.620 SPECIAL PROVISION (CABLE GUARDRAIL SPLICE UNIT)
SEE ITEM DETAIL SUMMARY SHEETS

900.620 SPECIAL PROVISION (DECOMMISSION CURB DROP INLET)

NORTHBOUND:			SOUTHBOUND:	NORTHBOUND CONT.
REHABED (155.996 RT)	~~MM 156.080 RT~~	MM 159.397 RT	MM 157.968 RT	RAMP D 0.056 RT
	MM 157.702 RT	~~MM 159.421 RT~~ NO DI	MM 158.016 RT	RAMP D 0.103 RT
	MM 157.750 RT	MM 159.444 RT	MM 158.460 RT	156.383 RT
	MM 158.028 RT	MM 159.444 LT	MM 158.498 RT	160.389 RT & LT
	MM 158.142 RT	MM 160.237 RT	MM 158.678 RT	161.378 RT
	MM 158.171 RT	MM 160.237 LT	MM 159.034 RT	
	MM 158.333 RT	MM 160.277 RT	MM 159.295 RT	
158.527	~~MM 158.595 RT~~	MM 160.277 LT	MM 159.420 LT	
	MM 158.715 RT	MM 160.313 RT	MM 159.477 RT	
	MM 158.978 RT	MM 160.313 LT	MM 159.477 LT	
	MM 159.011 RT	MM 160.352 RT	MM 160.259 LT	
NO DI THERE	~~MM 159.013 RT~~	MM 160.352 LT	MM 160.260 RT	
	MM 159.248 RT	MM 160.426 RT	MM 160.297 LT	
NO DI THERE	~~MM 159.272 RT~~	MM 160.929 RT	MM 160.303 RT	
	MM 159.286 RT	MM 160.981 RT	MM 160.335 LT	
	MM 159.324 RT	MM 161.033 RT	MM 160.347 RT	
NO DI THERE	~~MM 159.348 RT~~	MM 162.603 RT	MM 160.390 RT	
	MM 159.362 RT	MM 162.631 RT	MM 161.033 RT	
NO DI THERE	~~MM 159.386 RT~~		MM 161.085 RT	
			MM 156.090 LT	

900.640 SPECIAL PROVISION (REPLACEMENT OF GUARDRAIL CABLE)
SEE ITEM DETAIL SUMMARY SHEETS

NOTES:

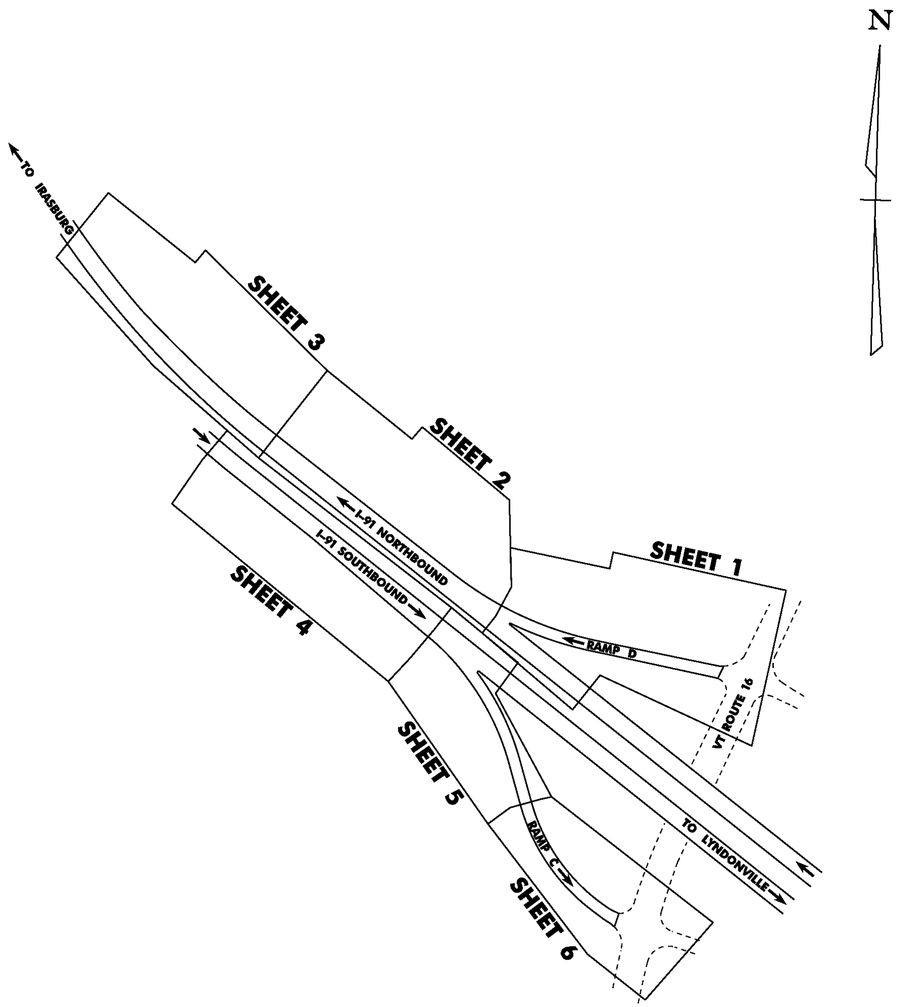
1. THE CONTRACTOR SHALL INSTALL MILLED RUMBLE STRIPS WITHIN THE PROJECT LIMITS AND AS SHOWN ON THE MILLED RUMBLE STRIPS DETAIL SHEET OR AS DIRECTED BY THE RESIDENT ENGINEER.
2. THE CONTRACTOR SHALL REHAB. THE EXISTING DROP INLETS, CATCH BASINS OR MANHOLES TO A DEPTH AS DIRECTED BY THE RESIDENT ENGINEER. ALL REHAB. WORK WILL BE PAID FOR UNDER THE APPLICABLE REHAB. ITEM AS DIRECTED BY THE RESIDENT ENGINEER.

Stantec

MAINLINE LAYOUT SHEET

PROJECT NAME: BARTON-IRASBURG
PROJECT NUMBER: IM 091-3(48)

FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286pls.i
PLOT DATE: 06-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 14 OF 40



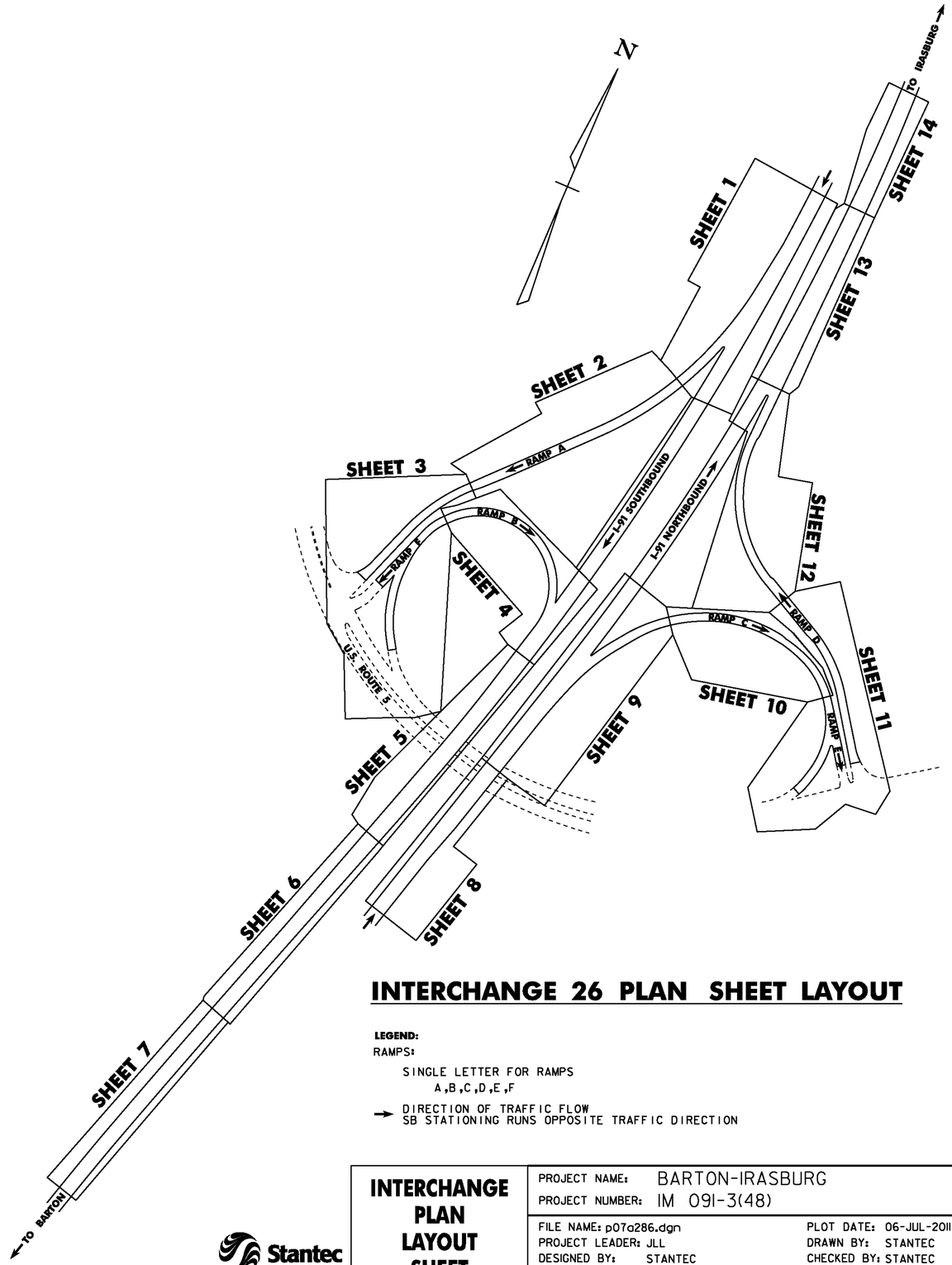
INTERCHANGE 25 PLAN SHEET LAYOUT

LEGEND:

RAMPS:

SINGLE LETTER FOR RAMPS
C,D

→ DIRECTION OF TRAFFIC FLOW
SB STATIONING RUNS OPPOSITE TRAFFIC DIRECTION



INTERCHANGE 26 PLAN SHEET LAYOUT

LEGEND:

RAMPS:

SINGLE LETTER FOR RAMPS
A,B,C,D,E,F

→ DIRECTION OF TRAFFIC FLOW
SB STATIONING RUNS OPPOSITE TRAFFIC DIRECTION

Stantec

INTERCHANGE PLAN LAYOUT SHEET

PROJECT NAME: BARTON-IRASBURG
PROJECT NUMBER: IM 091-3(48)

FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286psk.i

PLOT DATE: 06-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 15 OF 40

604.412 OR 604.415 REHAB. DIs, CBs OR MHs, CLASS I OR II
~~STA. D2+95, RT~~

646.426 DURABLE 6 INCH WHITE LINE, RECESSED POLYUREA
STA. D0+56 TO D5+17, SOLID RT (EDGE LINE)

646.436 DURABLE 6 INCH YELLOW LINE, RECESSED POLYUREA
STA. D0+62 TO D5+17, SOLID LT (EDGE LINE)

646.466 DURABLE 12 INCH WHITE LINE, RECESSED POLYUREA
RAMP D GORE - TO BE INSTALLED PER THE LATEST EDITION OF THE MUTCD

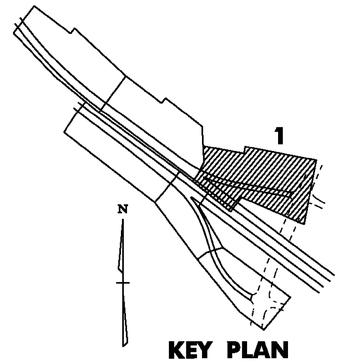
STA D5+17 TO D5+33 LT

646.622 TEMPORARY 6 INCH WHITE LINE, PAINT
STA. D0+56 TO D5+17, SOLID RT (EDGE LINE)

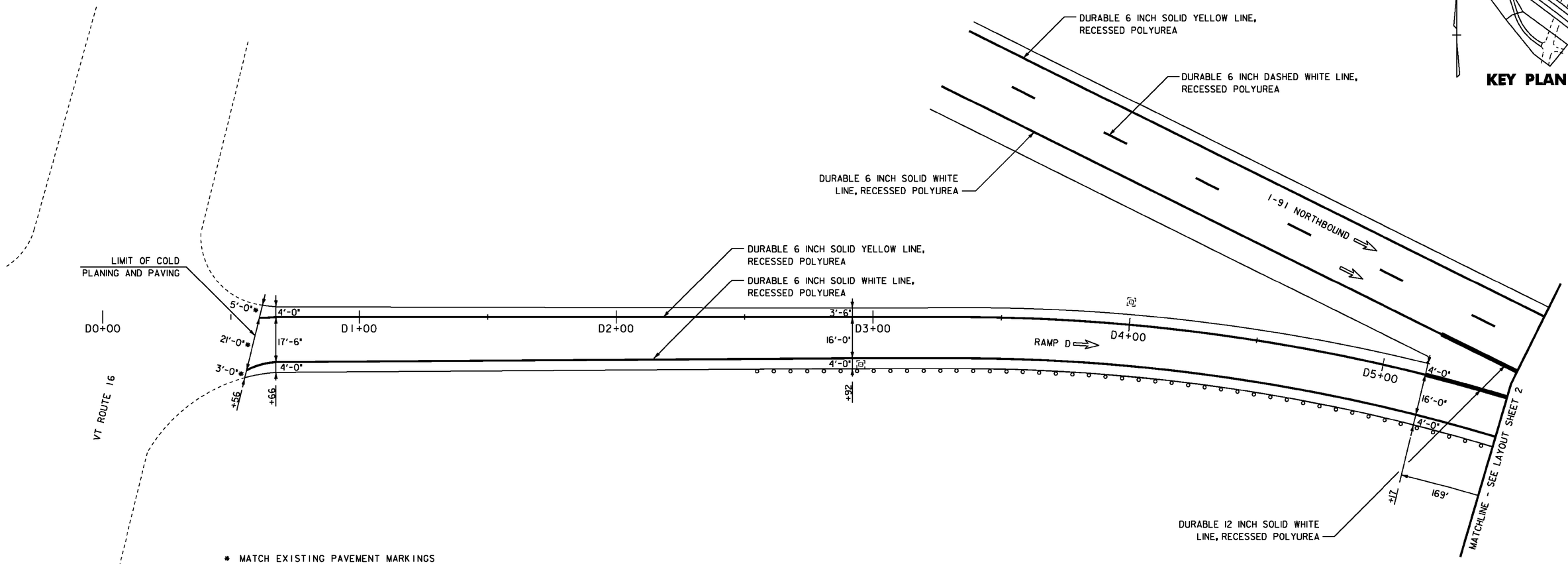
646.632 TEMPORARY 6 INCH YELLOW LINE, PAINT
STA. D0+62 TO D5+17, SOLID LT (EDGE LINE)

646.662 TEMPORARY 12 INCH WHITE LINE, PAINT
RAMP D GORE - TO BE INSTALLED PER THE LATEST EDITION OF THE MUTCD

STA D5+17 TO D5+33 LT



KEY PLAN



* MATCH EXISTING PAVEMENT MARKINGS

UTILITY LEGEND	
	= EXISTING DI
	= EXISTING SIGN POST
	= EXISTING GUARDRAIL
	= EXISTING CULVERT

SIGN LEGEND	
N	= NEW
R	= REMOVE
R&S	= REMOVE & SALVAGE
S	= SALVAGE SIGN
RET	= RETAIN
B-B	= BACK TO BACK

NOT TO SCALE

NOTE:
ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

Stantec

INTERCHANGE 25 LAYOUT SHEET #1

PROJECT NAME: BARTON-IRASBURG
PROJECT NUMBER: IM 091-3(48)

FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286l01.i

PLOT DATE: 06-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 16 OF 40

646.426 DURABLE 6 INCH WHITE LINE, RECESSED POLYUREA

STA. D5+33 TO DII+62, SOLID RT (EDGE LINE)
STA. D7+02 TO DII+62, DOTTED RT

646.466 DURABLE 12 INCH WHITE LINE, RECESSED POLYUREA

RAMP D GORE - TO BE INSTALLED PER
THE LATEST EDITION OF THE MUTCD

STA D5+33 LT TO D7+02 LT

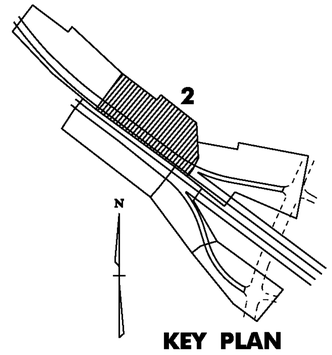
646.622 TEMPORARY 6 INCH WHITE LINE, PAINT

STA. D5+33 TO DII+62, SOLID RT (EDGE LINE)
STA. D7+02 TO DII+62, DOTTED RT

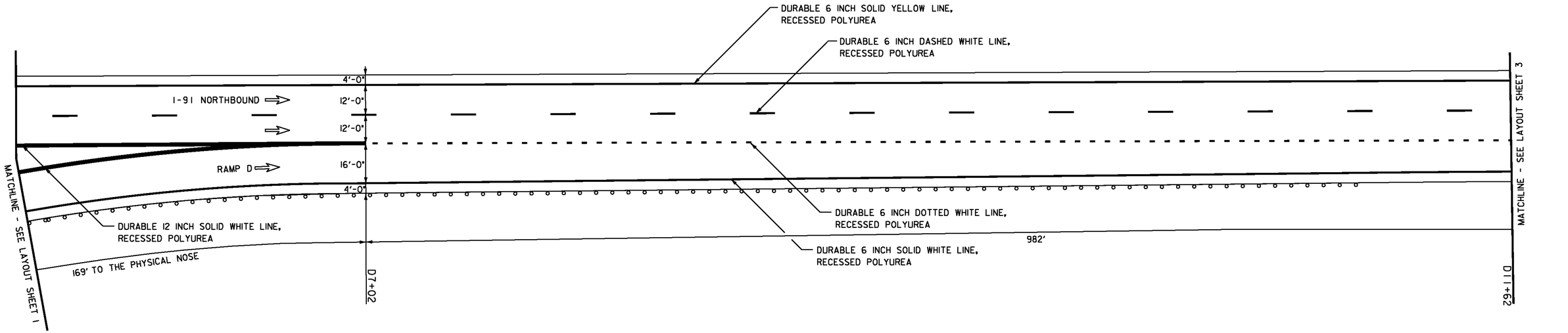
646.662 TEMPORARY 12 INCH WHITE LINE, PAINT

RAMP D GORE - TO BE INSTALLED PER
THE LATEST EDITION OF THE MUTCD

STA D5+33 LT TO D7+02 LT



KEY PLAN



UTILITY LEGEND

= EXISTING DI
= EXISTING SIGN POST
= EXISTING GUARDRAIL
= EXISTING CULVERT

SIGN LEGEND

N	= NEW
R	= REMOVE
R&S	= REMOVE & SALVAGE
S	= SALVAGE SIGN
RET	= RETAIN
B-B	= BACK TO BACK

NOT TO SCALE

NOTE:
ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

Stantec

INTERCHANGE 25 LAYOUT SHEET #2

PROJECT NAME: BARTON-IRASBURG
PROJECT NUMBER: IM 091-3(48)

FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286102.i

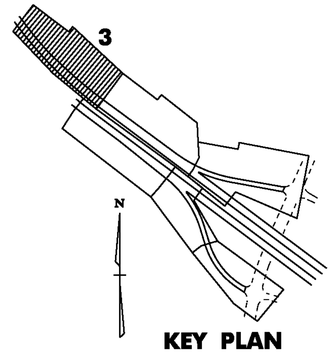
PLOT DATE: 06-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 17 OF 40

646.426 DURABLE 6 INCH WHITE LINE, RECESSED POLYUREA

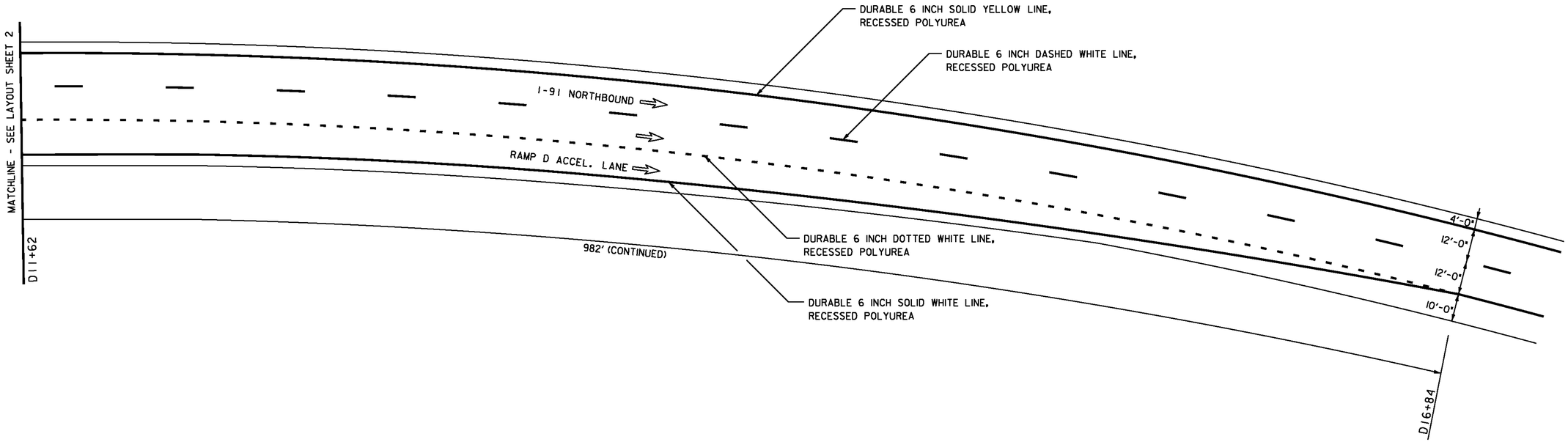
STA. DII+62 TO DI6+84, SOLID RT (EDGE LINE)
STA. DII+62 TO DI6+84, DOTTED LT

646.622 TEMPORARY 6 INCH WHITE LINE, PAINT

STA. DII+62 TO DI6+84, SOLID RT (EDGE LINE)
STA. DII+62 TO DI6+84, DOTTED LT



KEY PLAN



UTILITY LEGEND

= EXISTING DI
= EXISTING SIGN POST
= EXISTING GUARDRAIL
= EXISTING CULVERT

SIGN LEGEND

N	= NEW
R	= REMOVE
R&S	= REMOVE & SALVAGE
S	= SALVAGE SIGN
RET	= RETAIN
B-B	= BACK TO BACK

NOT TO SCALE

NOTE:
ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

Stantec

INTERCHANGE 25 LAYOUT SHEET #3

PROJECT NAME: BARTON-IRASBURG
PROJECT NUMBER: IM 091-3(48)

FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286l03.i

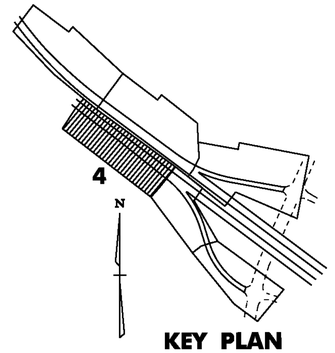
PLOT DATE: 06-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 18 OF 40

646.426 DURABLE 6 INCH WHITE LINE, RECESSED POLYUREA

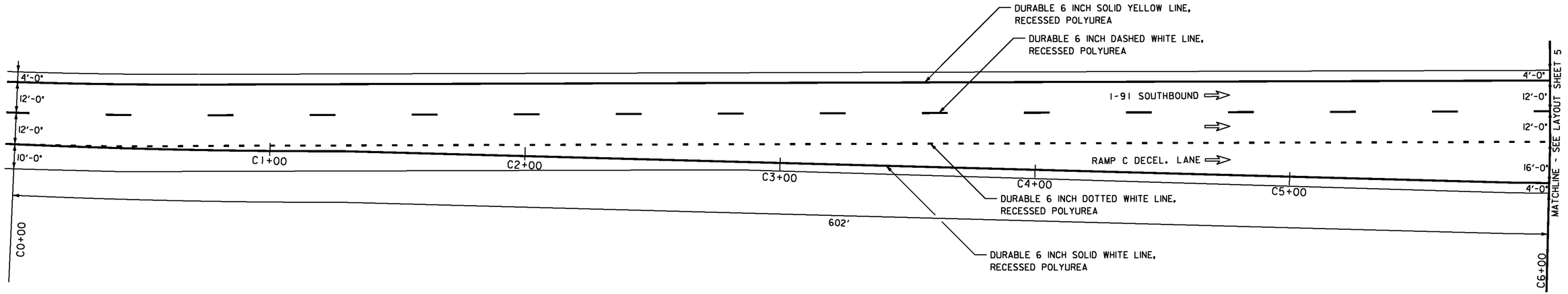
STA. C0+00 TO C6+00, SOLID RT (EDGE LINE)
STA. C0+00 TO C6+00, DOTTED LT

646.622 TEMPORARY 6 INCH WHITE LINE, PAINT

STA. C0+00 TO C6+00, SOLID RT (EDGE LINE)
STA. C0+00 TO C6+00, DOTTED LT



KEY PLAN



UTILITY LEGEND	
	= EXISTING DI
	= EXISTING SIGN POST
	= EXISTING GUARDRAIL
	= EXISTING CULVERT

SIGN LEGEND	
N	= NEW
R	= REMOVE
R&S	= REMOVE & SALVAGE
S	= SALVAGE SIGN
RET	= RETAIN
B-B	= BACK TO BACK

NOT TO SCALE

NOTE:
ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

Stantec

INTERCHANGE 25 LAYOUT SHEET #4

PROJECT NAME: BARTON-IRASBURG
PROJECT NUMBER: IM 091-3(48)

FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286104.i

PLOT DATE: 06-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 19 OF 40

646.426 DURABLE 6 INCH WHITE LINE, RECESSED POLYUREA

STA. C6+00 TO C10+00, SOLID RT

646.436 DURABLE 6 INCH YELLOW LINE, RECESSED POLYUREA

STA. C7+29 TO C10+00, SOLID LT

646.466 DURABLE 12 INCH WHITE LINE, RECESSED POLYUREA

RAMP C GORE - TO BE INSTALLED PER THE LATEST EDITION OF THE MUTCD

STA. C6+00 TP C7+29 LT

646.494 DURABLE LETTER OR SYMBOL, POLYUREA

STA. C8+40, RT - "STOP"
STA. C8+80, RT - "AHEAD"

646.622 TEMPORARY 6 INCH WHITE LINE, PAINT

STA. C6+00 TO C10+00, SOLID RT

646.632 TEMPORARY 6 INCH YELLOW LINE, PAINT

STA. C7+29 TO C10+00, SOLID LT

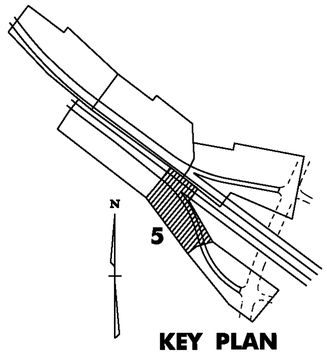
646.662 TEMPORARY 12 INCH WHITE LINE, PAINT

RAMP C GORE - TO BE INSTALLED PER THE LATEST EDITION OF THE MUTCD

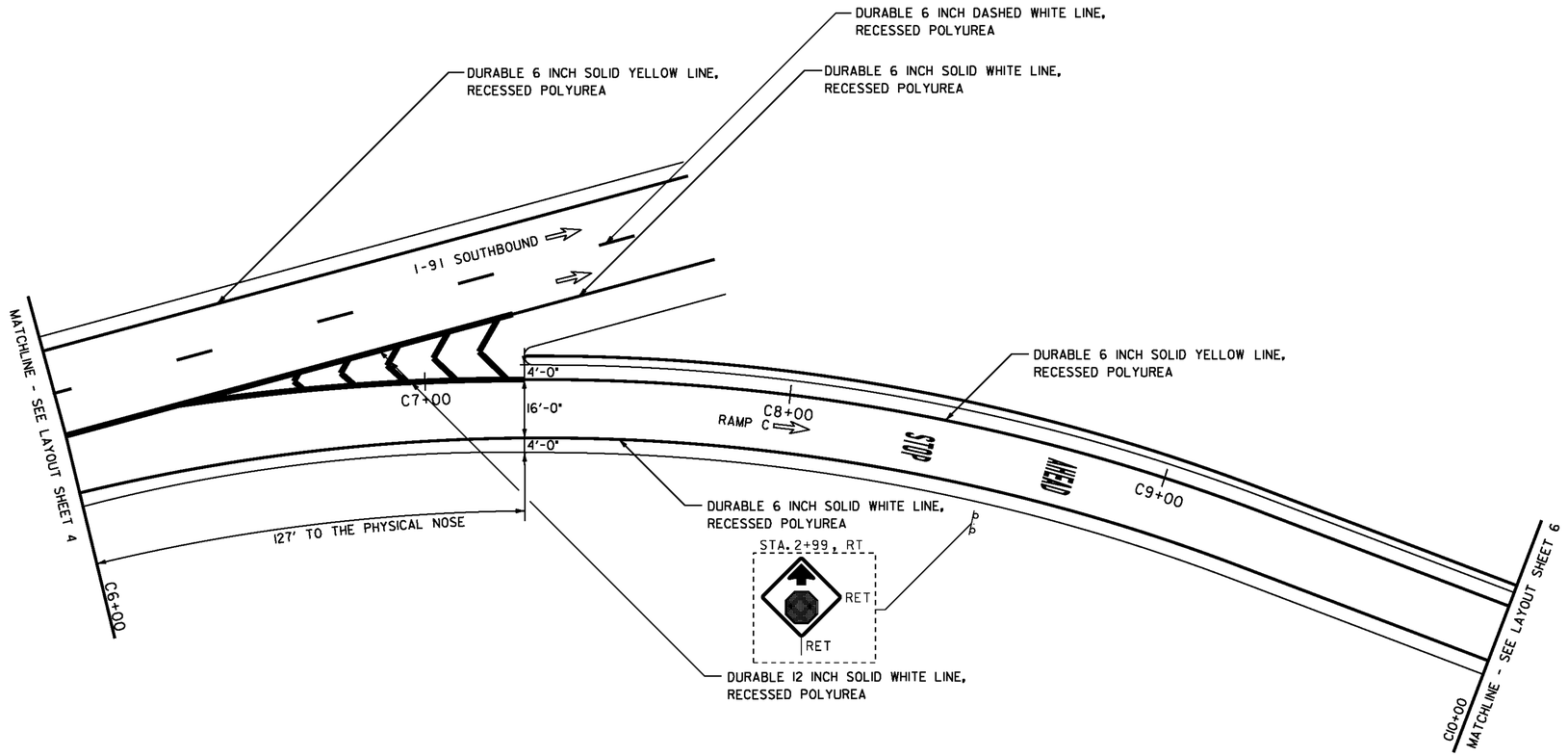
STA. C6+00 TP C7+29 LT

646.692 TEMPORARY LETTER OR SYMBOL, PAINT

STA. C8+40, RT - "STOP"
STA. C8+80, RT - "AHEAD"



KEY PLAN



UTILITY LEGEND

- = EXISTING DI
- = EXISTING SIGN POST
- = EXISTING GUARDRAIL
- = EXISTING CULVERT

SIGN LEGEND

N	= NEW
R	= REMOVE
R&S	= REMOVE & SALVAGE
S	= SALVAGE SIGN
RET	= RETAIN
B-B	= BACK TO BACK

NOT TO SCALE

NOTE:
ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

Stantec

INTERCHANGE 25 LAYOUT SHEET #5

PROJECT NAME: BARTON-IRASBURG
PROJECT NUMBER: IM 091-3(48)

FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286l05.i

PLOT DATE: 08-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 20 OF 40

646.426 DURABLE 6 INCH WHITE LINE, RECESSED POLYUREA
STA. C10+00 TO C13+29, SOLID RT

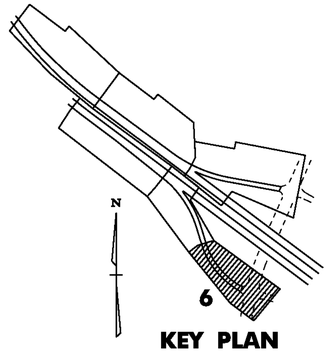
646.436 DURABLE 6 INCH YELLOW LINE, RECESSED POLYUREA
STA. C10+00 TO C13+29, SOLID LT

646.494 DURABLE LETTER OR SYMBOL, POLYUREA
STA. C11+25, RT - "WRONG WAY" ARROW

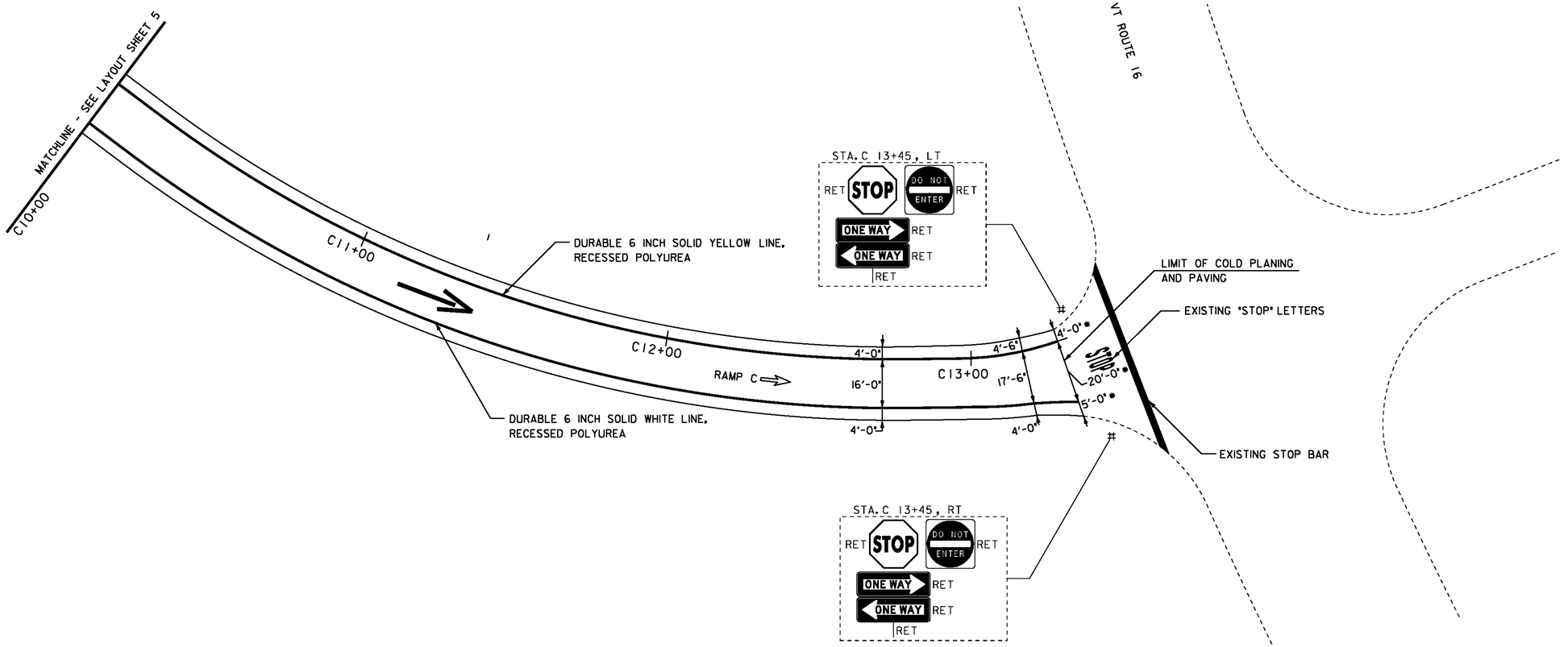
646.622 TEMPORARY 6 INCH WHITE LINE, PAINT
STA. C10+00 TO C13+29, SOLID RT

646.632 TEMPORARY 6 INCH YELLOW LINE, PAINT
STA. C10+00 TO C13+29, SOLID LT

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. C11+25, RT - "WRONG WAY" ARROW



KEY PLAN



* MATCH EXISTING PAVEMENT MARKINGS

NOTE:
ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

UTILITY LEGEND
- = EXISTING DI
- = EXISTING SIGN POST
- = EXISTING GUARDRAIL
- = EXISTING CULVERT

SIGN LEGEND

N	= NEW
R	= REMOVE
R&S	= REMOVE & SALVAGE
S	= SALVAGE SIGN
RET	= RETAIN
B-B	= BACK TO BACK

Stantec

INTERCHANGE 25 LAYOUT SHEET #6

PROJECT NAME: BARTON-IRASBURG
PROJECT NUMBER: IM 091-3(48)

FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286106.i

PLOT DATE: 08-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 21 OF 40

646.426 DURABLE 6 INCH WHITE LINE, RECESSED POLYUREA

STA. A0+00 TO A2+70, DOTTED RT
STA. A0+00 TO A5+40, SOLID RT (EDGE LINE)

646.436 DURABLE 6 INCH YELLOW LINE, RECESSED POLYUREA

STA. A3+95 TO A5+40, SOLID LT (EDGE LINE)

646.466 DURABLE 12 INCH WHITE LINE, RECESSED POLYUREA

RAMP A GORE-TO BE INSTALLED PER LATEST EDITION OF THE MUTCD

STA. A2+70 TO A3+95 LT

646.622 TEMPORARY 6 INCH WHITE LINE, PAINT

STA. A0+00 TO A2+70, DOTTED RT
STA. A0+00 TO A5+40, SOLID RT (EDGE LINE)

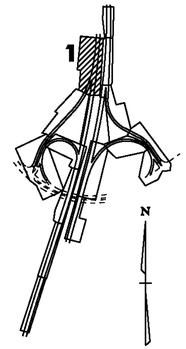
646.632 TEMPORARY 6 INCH YELLOW LINE, PAINT

STA. A3+95 TO A5+40, SOLID LT (EDGE LINE)

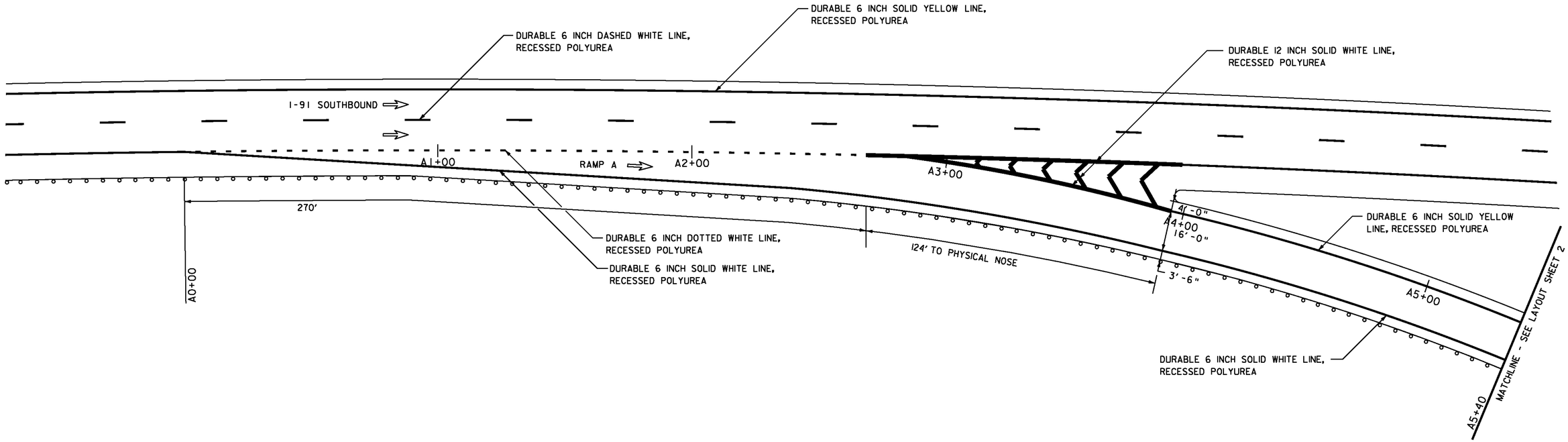
646.662 TEMPORARY 12 INCH WHITE LINE, PAINT

RAMP A GORE-TO BE INSTALLED PER LATEST EDITION OF THE MUTCD

STA. A2+70 TO A3+95 LT



KEY PLAN



UTILITY LEGEND

- = EXISTING DI
- = EXISTING SIGN POST
- = EXISTING GUARDRAIL
- = EXISTING CULVERT

SIGN LEGEND

N	= NEW
R	= REMOVE
R&S	= REMOVE & SALVAGE
S	= SALVAGE SIGN
RET	= RETAIN
B-B	= BACK TO BACK

NOT TO SCALE

NOTE:
ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

Stantec

INTERCHANGE 26 LAYOUT SHEET #1

PROJECT NAME: BARTON-IRASBURG
PROJECT NUMBER: IM 091-3(48)

FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286107.i

PLOT DATE: 08-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 22 OF 40

646.426 DURABLE 6 INCH WHITE LINE, RECESSED POLYUREA

STA. A5+40 TO A11+40, SOLID RT

646.436 DURABLE 6 INCH YELLOW LINE, RECESSED POLYUREA

STA. A5+40 TO A11+40, SOLID LT

646.494 DURABLE LETTER OR SYMBOL, POLYUREA

STA. A7+69, RT - "STOP"
STA. A8+09, RT - "AHEAD"
STA. A11+00, RT - "WRONG WAY" ARROW

646.622 TEMPORARY 6 INCH WHITE LINE, PAINT

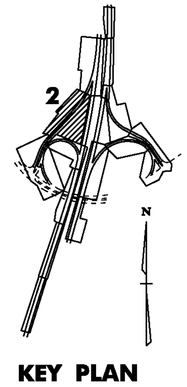
STA. A5+40 TO A11+40, SOLID RT

646.632 TEMPORARY 6 INCH YELLOW LINE, PAINT

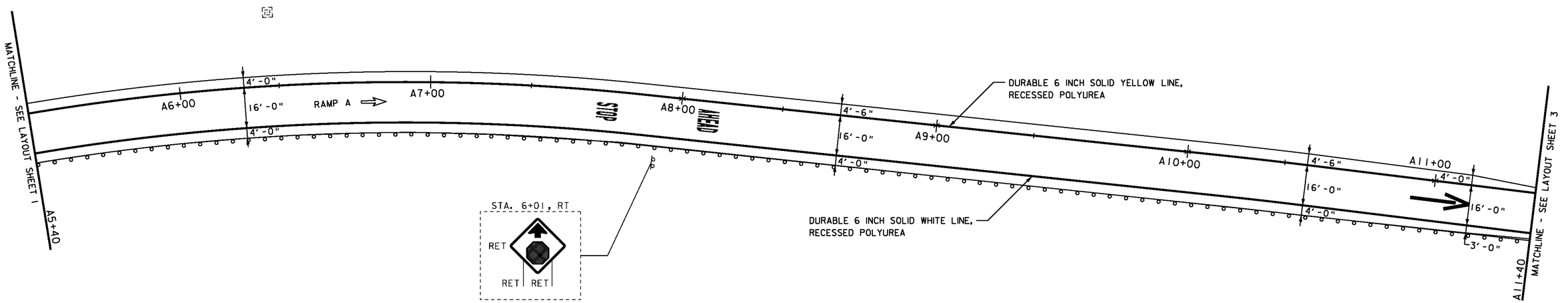
STA. A5+40 TO A11+40, SOLID LT

646.692 TEMPORARY LETTER OR SYMBOL, PAINT

STA. A7+69, RT - "STOP"
STA. A8+09, RT - "AHEAD"
STA. A11+00, RT - "WRONG WAY" ARROW



KEY PLAN



UTILITY LEGEND

= EXISTING DI
= EXISTING SIGN POST
= EXISTING GUARDRAIL
= EXISTING CULVERT

SIGN LEGEND

N	= NEW
R	= REMOVE
R&S	= REMOVE & SALVAGE
S	= SALVAGE SIGN
RET	= RETAIN
B-B	= BACK TO BACK

NOT TO SCALE

NOTE:
ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

Stantec

INTERCHANGE 26 LAYOUT SHEET #2

PROJECT NAME: BARTON-IRASBURG
PROJECT NUMBER: IM 091-3(48)

FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286108.i

PLOT DATE: 08-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 23 OF 40

604.412 OR 604.415 REHAB, DROP INLETS, CB'S, OR MANHOLES, CLASS I OR II

RAMP A, STA. ~~A12+90,~~ RT 0.208 RT
RAMP B, STA. ~~B0+56,~~ RT 0.011 RT
RAMP B, STA. ~~B3+82,~~ RT 0.072 RT

646.426 DURABLE 6 INCH WHITE LINE, RECESSED POLYUREA

RAMP A, STA. A11+40 TO A15+01, SOLID RT
RAMP B, STA. B0+56 TO B4+50, SOLID RT
RAMP F, STA. F1+27 TO F1+69, SOLID RT

646.436 DURABLE 6 INCH YELLOW LINE, RECESSED POLYUREA

RAMP A, STA. A11+40 TO A15+01, SOLID LT
RAMP B, STA. B0+56 TO B2+50, SOLID LT
STA. B3+82 TO B4+50, SOLID LT
RAMP F, STA. F1+27 TO F2+98, SOLID LT

646.466 DURABLE 12 INCH WHITE LINE, RECESSED POLYUREA

RAMP B & F GORE - TO BE INSTALLED PER THE LATEST EDITION OF THE MUTCD

STA B2+50 TO B2+75 LT

646.494 DURABLE LETTER OR SYMBOL, POLYUREA

RAMP B, STA. B2+36, RT - YIELD BAR -5

646.622 TEMPORARY 6 INCH WHITE LINE, PAINT

RAMP A, STA. A11+40 TO A15+01, SOLID RT
RAMP B, STA. B0+56 TO B4+50, SOLID RT
RAMP F, STA. F1+27 TO F1+69, SOLID RT

646.632 TEMPORARY 6 INCH YELLOW LINE, PAINT

RAMP A, STA. A11+40 TO A15+01, SOLID LT
RAMP B, STA. B0+56 TO B2+50, SOLID LT
STA. B3+82 TO B4+50, SOLID LT
RAMP F, STA. F1+27 TO F2+98, SOLID LT

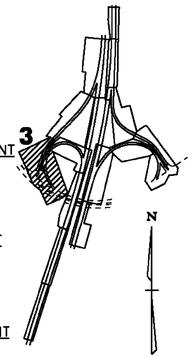
646.662 TEMPORARY 12 INCH WHITE LINE, PAINT

RAMP B & F GORE - TO BE INSTALLED PER THE LATEST EDITION OF THE MUTCD

STA B2+50 TO B2+75 LT

646.692 TEMPORARY LETTER OR SYMBOL, PAINT

RAMP B, STA. B2+36, RT - YIELD BAR



KEY PLAN

* MATCH EXISTING PAVEMENT MARKINGS

UTILITY LEGEND

- = EXISTING DI
- = EXISTING SIGN POST
- = EXISTING GUARDRAIL
- = EXISTING CULVERT

SIGN LEGEND

N	= NEW
R	= REMOVE
R&S	= REMOVE & SALVAGE
S	= SALVAGE SIGN
RET	= RETAIN
B-B	= BACK TO BACK

NOT TO SCALE

NOTE:
ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

INTERCHANGE 26 LAYOUT SHEET #3

PROJECT NAME: BARTON-IRASBURG
PROJECT NUMBER: IM 091-3(48)

FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286l09.i

PLOT DATE: 08-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 24 OF 40

Stantec

646.426 DURABLE 6 INCH WHITE LINE, RECESSED POLYUREA

STA. B4+50 TO B8+92, SOLID RT

646.436 DURABLE 6 INCH YELLOW LINE, RECESSED POLYUREA

STA. B4+50 TO B8+92, SOLID LT

646.466 DURABLE 12 INCH WHITE LINE, RECESSED POLYUREA

RAMP B GORE - TO BE INSTALLED PER THE LATEST EDITION OF THE MUTCD

STA. B8+92 ~ B10+19 LT

646.622 TEMPORARY 6 INCH WHITE LINE, PAINT

STA. B4+50 TO B8+92, SOLID RT

646.632 TEMPORARY 6 INCH YELLOW LINE, PAINT

STA. B4+50 TO B8+92, SOLID LT

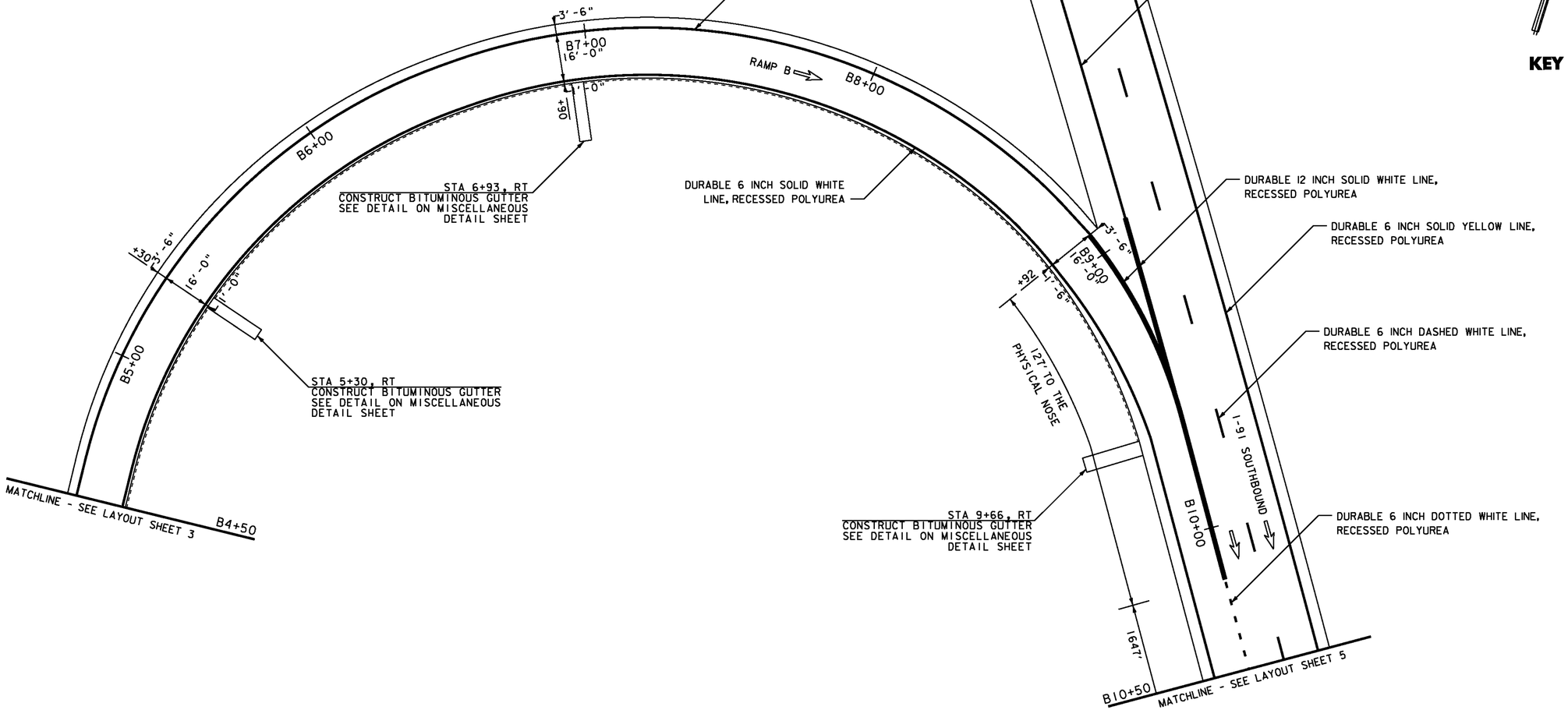
646.662 TEMPORARY 12 INCH WHITE LINE, PAINT

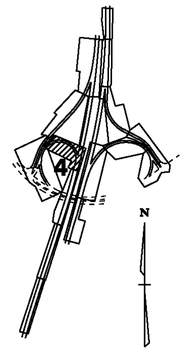
RAMP B GORE - TO BE INSTALLED PER THE LATEST EDITION OF THE MUTCD

STA. B8+92 ~ B10+19 LT

616.47 BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS

STA. B5+30.0, RT
STA. B6+93.0, RT
STA. B9+66.0. RT





KEY PLAN

UTILITY LEGEND

= EXISTING DI
= EXISTING SIGN POST
= EXISTING GUARDRAIL
= EXISTING CULVERT

SIGN LEGEND

N	= NEW
R	= REMOVE
R&S	= REMOVE & SALVAGE
S	= SALVAGE SIGN
RET	= RETAIN
B-B	= BACK TO BACK

NOT TO SCALE

NOTE:
ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

Stantec

INTERCHANGE 26 LAYOUT SHEET #4

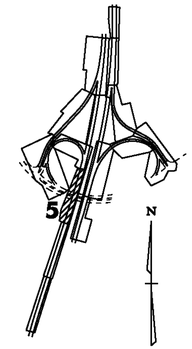
PROJECT NAME: BARTON-IRASBURG
PROJECT NUMBER: IM 091-3(48)

FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286110.i

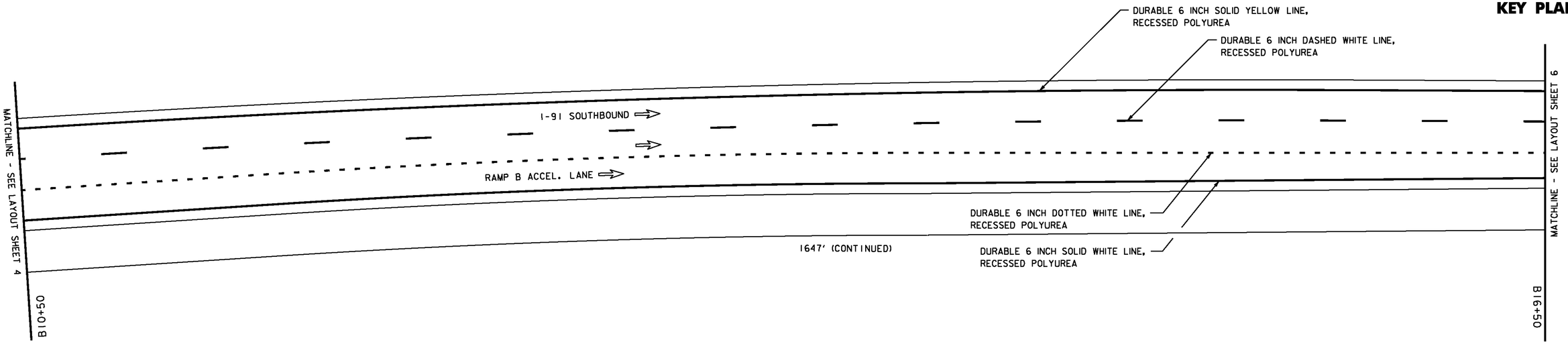
PLOT DATE: 06-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 25 OF 40

646.426 DURABLE 6 INCH WHITE LINE, RECESSED POLYUREA

STA. B10+50 TO B16+50, SOLID RT (EDGE LINE)
STA. B10+50 TO B16+50, DOTTED LT



KEY PLAN



UTILITY LEGEND

- = EXISTING DI
- = EXISTING SIGN POST
- = EXISTING GUARDRAIL
- = EXISTING CULVERT

SIGN LEGEND

N	= NEW
R	= REMOVE
R&S	= REMOVE & SALVAGE
S	= SALVAGE SIGN
RET	= RETAIN
B-B	= BACK TO BACK

NOT TO SCALE

NOTE:
ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

Stantec

INTERCHANGE 26 LAYOUT SHEET #5

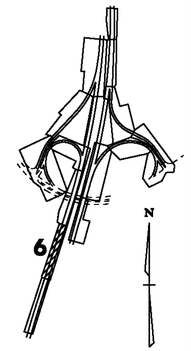
PROJECT NAME: BARTON-IRASBURG
PROJECT NUMBER: IM 091-3(48)

FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286l11.i

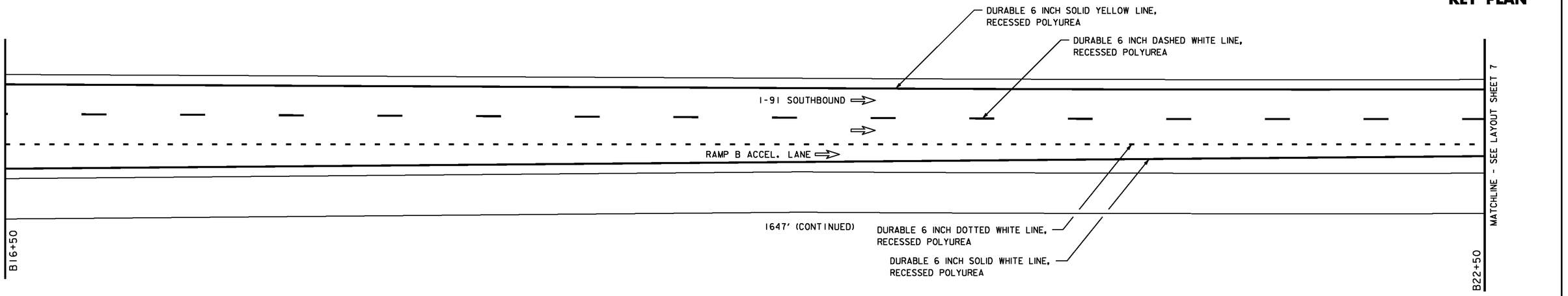
PLOT DATE: 06-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 26 OF 40

646.426 DURABLE 6 INCH WHITE LINE, RECESSED POLYUREA

STA. B16+50 TO B22+50, SOLID RT (EDGE LINE)
STA. B16+50 TO B22+50, DOTTED LT



KEY PLAN



UTILITY LEGEND	
	= EXISTING DI
	= EXISTING SIGN POST
	= EXISTING GUARDRAIL
	= EXISTING CULVERT

SIGN LEGEND	
N	= NEW
R	= REMOVE
R&S	= REMOVE & SALVAGE
S	= SALVAGE SIGN
RET	= RETAIN
B-B	= BACK TO BACK

NOT TO SCALE

NOTE:
ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

Stantec

INTERCHANGE 26 LAYOUT SHEET #6

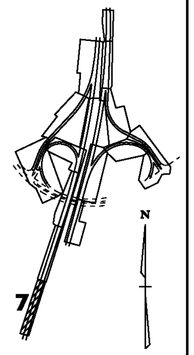
PROJECT NAME: BARTON-IRASBURG
PROJECT NUMBER: IM 091-3(48)

FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286112.i

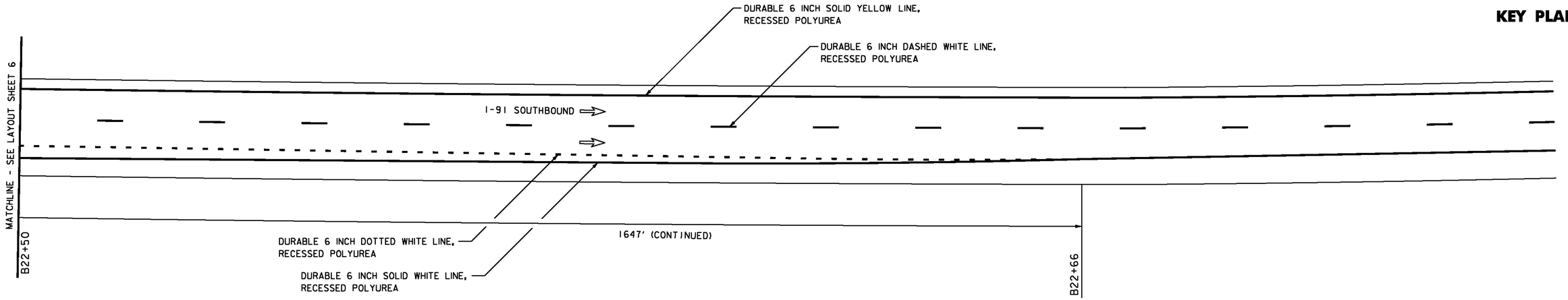
PLOT DATE: 06-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 27 OF 40

646.426 DURABLE 6 INCH WHITE LINE, RECESSED POLYUREA

STA. B22+50 TO B26+66, SOLID RT (EDGE LINE)
STA. B22+50 TO B26+66, DOTTED LT



KEY PLAN



UTILITY LEGEND

- = EXISTING DI
- = EXISTING SIGN POST
- = EXISTING GUARDRAIL
- = EXISTING CULVERT

SIGN LEGEND

N	= NEW
R	= REMOVE
R&S	= REMOVE & SALVAGE
S	= SALVAGE SIGN
RET	= RETAIN
B-B	= BACK TO BACK

NOT TO SCALE

NOTE:
ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

Stantec

INTERCHANGE 26 LAYOUT SHEET #7

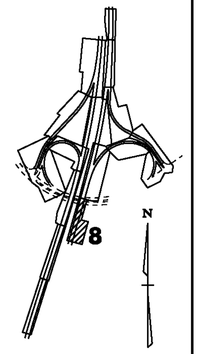
PROJECT NAME: BARTON-IRASBURG
PROJECT NUMBER: IM 091-3(48)

FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286113.i

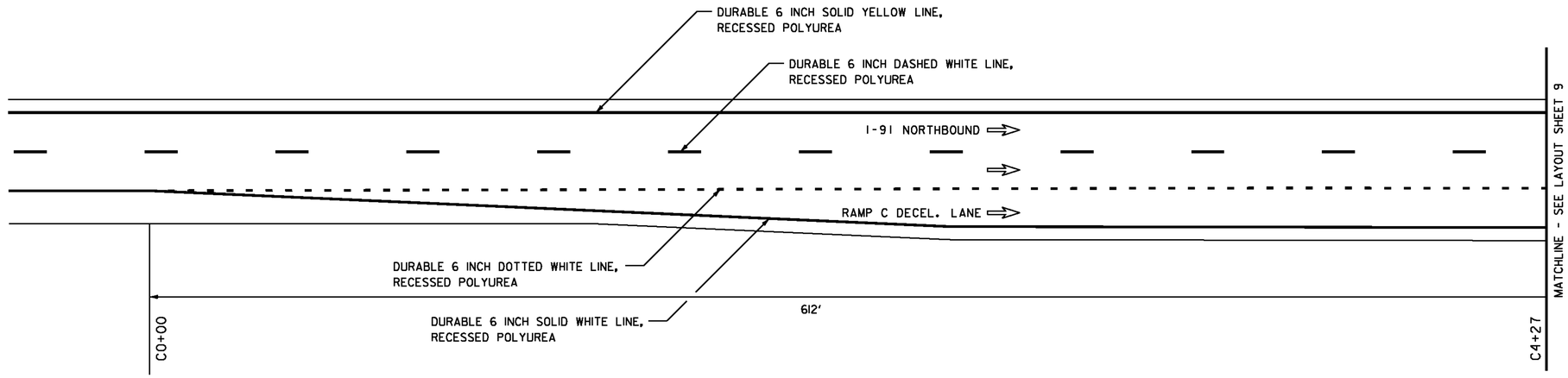
PLOT DATE: 06-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 28 OF 40

646.426 DURABLE 6 INCH WHITE LINE, RECESSED POLYUREA

STA. C0+00 TO C4+27, SOLID RT (EDGE LINE)
STA. C0+00 TO C4+27, DOTTED LT



KEY PLAN



UTILITY LEGEND	
	= EXISTING DI
	= EXISTING SIGN POST
	= EXISTING GUARDRAIL
	= EXISTING CULVERT

SIGN LEGEND	
N	= NEW
R	= REMOVE
R&S	= REMOVE & SALVAGE
S	= SALVAGE SIGN
RET	= RETAIN
B-B	= BACK TO BACK

NOT TO SCALE

NOTE:
ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

Stantec

INTERCHANGE 26 LAYOUT SHEET #8

PROJECT NAME: BARTON-IRASBURG
PROJECT NUMBER: IM 091-3(48)

FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286114.i

PLOT DATE: 06-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 29 OF 40

646.426 DURABLE 6 INCH WHITE LINE, RECESSED POLYUREA

STA. C4+27 TO C10+25, SOLID RT (EDGE LINE)
STA. C4+27 TO C6+12, DOTTED LT

646.436 DURABLE 6 INCH YELLOW LINE, RECESSED POLYUREA

STA. C8+13 TO C10+25, SOLID LT

646.466 DURABLE 12 INCH WHITE LINE, RECESSED POLYUREA

RAMP C GORE - TO BE INSTALLED PER
THE LATEST EDITION OF THE MUTCD

STA C6+12 TO C8+13 LT

646.622 TEMPORARY 6 INCH WHITE LINE, PAINT

STA. C4+27 TO C10+25, SOLID RT (EDGE LINE)
STA. C4+27 TO C6+12, DOTTED LT

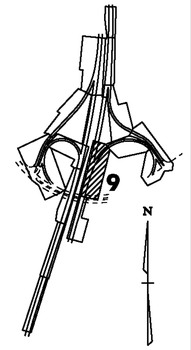
646.632 TEMPORARY 6 INCH YELLOW LINE, PAINT

STA. C8+13 TO C10+25, SOLID LT

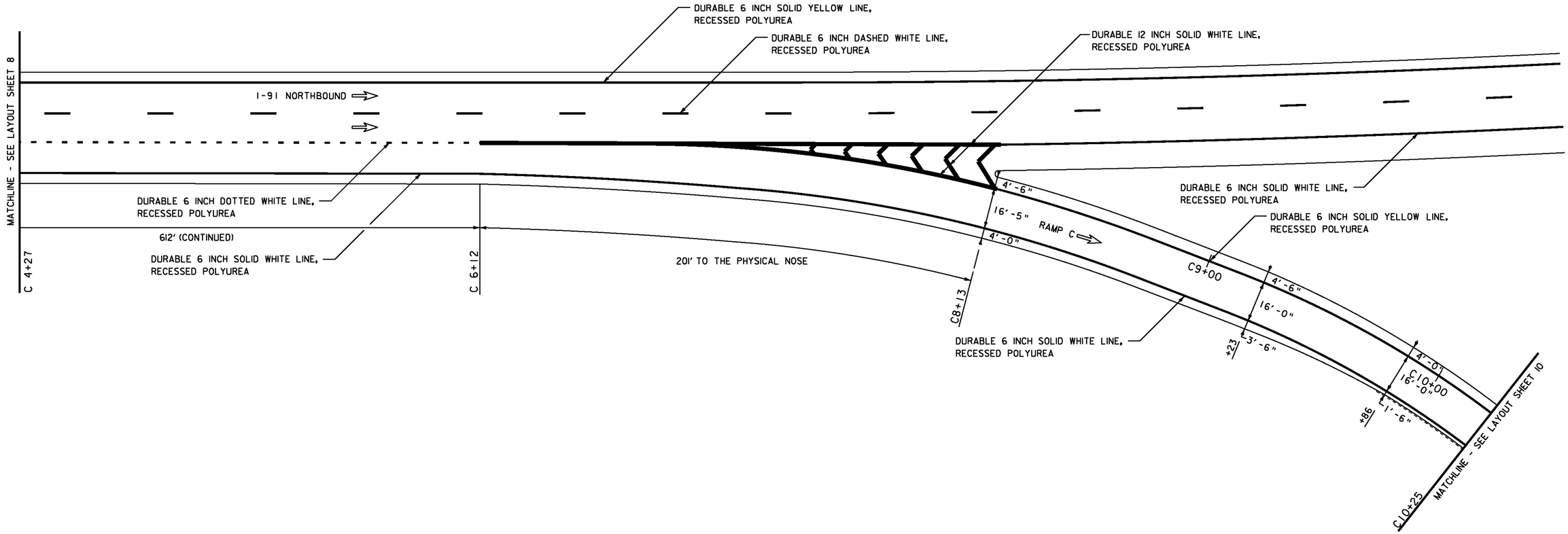
646.662 TEMPORARY 12 INCH WHITE LINE, PAINT

RAMP C GORE - TO BE INSTALLED PER
THE LATEST EDITION OF THE MUTCD

STA C6+12 TO C8+13 LT



KEY PLAN



UTILITY LEGEND

- = EXISTING DI
- = EXISTING SIGN POST
- = EXISTING GUARDRAIL
- = EXISTING CULVERT

SIGN LEGEND

N	= NEW
R	= REMOVE
R&S	= REMOVE & SALVAGE
S	= SALVAGE SIGN
RET	= RETAIN
B-B	= BACK TO BACK

NOT TO SCALE

NOTE:
ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

Stantec

INTERCHANGE 26 LAYOUT SHEET #9

PROJECT NAME: BARTON-IRASBURG
PROJECT NUMBER: IM 091-3(48)

FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286115.i

PLOT DATE: 06-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 30 OF 40

616.47 BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS

STA. C12+54, RT
STA. C14+67, RT

646.426 DURABLE 6 INCH WHITE LINE, RECESSED POLYUREA

STA. C10+25 TO C15+30, SOLID RT

646.436 DURABLE 6 INCH YELLOW LINE, RECESSED POLYUREA

STA. C10+25 TO C15+30, SOLID RT

646.494 DURABLE LETTER OR SYMBOL, POLYUREA

STA. C10+80, RT - "STOP"
STA. C11+20, RT - "AHEAD"

646.622 TEMPORARY 6 INCH WHITE LINE, PAINT

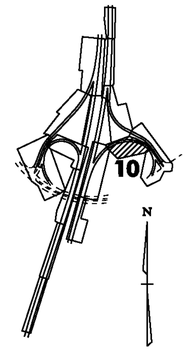
STA. C10+25 TO C15+30, SOLID RT

646.632 TEMPORARY 6 INCH YELLOW LINE, PAINT

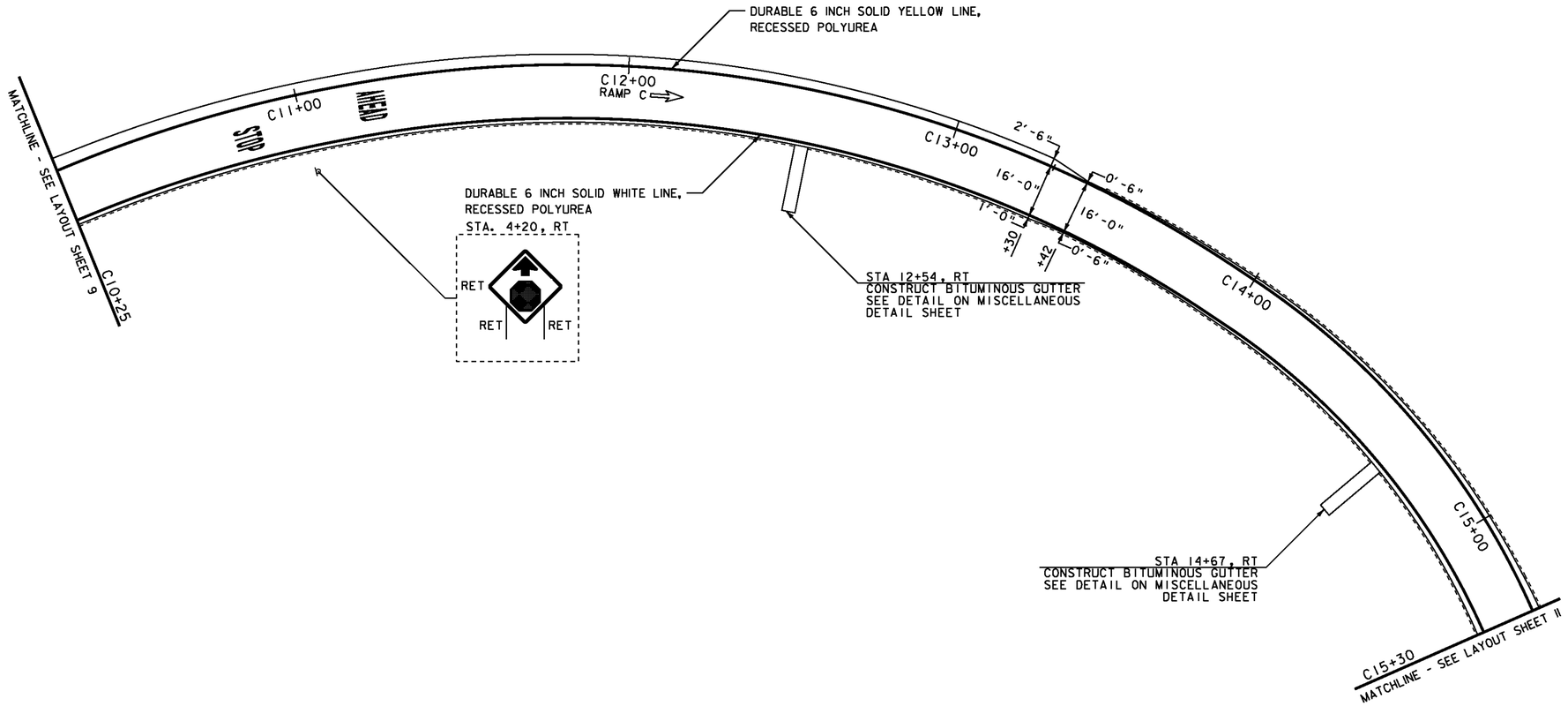
STA. C10+25 TO C15+30, SOLID RT

646.692 TEMPORARY LETTER OR SYMBOL, PAINT

STA. C10+80, RT - "STOP"
STA. C11+20, RT - "AHEAD"



KEY PLAN



UTILITY LEGEND

= EXISTING DI
= EXISTING SIGN POST
= EXISTING GUARDRAIL
= EXISTING CULVERT

SIGN LEGEND

N	= NEW
R	= REMOVE
R&S	= REMOVE & SALVAGE
S	= SALVAGE SIGN
RET	= RETAIN
B-B	= BACK TO BACK

NOT TO SCALE

NOTE:
ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

Stantec

INTERCHANGE 26 LAYOUT SHEET #10

PROJECT NAME: BARTON-IRASBURG
PROJECT NUMBER: IM 091-3(48)

FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286116.i

PLOT DATE: 06-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 31 OF 40

616.47 BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS

STA. C 1+96, RT
STA. C 17+58, RT

646.426 DURABLE 6 INCH WHITE LINE, RECESSED POLYUREA

RAMP C, STA. C15+30 TO C18+03, SOLID RT
RAMP E, STA. E1+12 TO E1+68, SOLID RT
RAMP D, STA. D0+91 TO D5+50, SOLID RT

646.436 DURABLE 6 INCH YELLOW LINE, RECESSED POLYUREA

RAMP C, STA. C16+56 TO C18+03, SOLID LT
RAMP C, STA. C9+77 TO C11+24, SOLID LT
RAMP E, STA. E0+00 TO E1+68, SOLID LT
RAMP D, STA. D0+91 TO D5+50, SOLID LT

646.466 DURABLE 12 INCH WHITE LINE, RECESSED POLYUREA

RAMP C & E GORE - TO BE INSTALLED PER THE LATEST EDITION OF THE MUTCD

STA. C16+28 TO C16+56 LT

646.494 DURABLE LETTER OR SYMBOL, POLYUREA

RAMP C, STA. C15+75, RT - "WRONG WAY" ARROW

646.622 TEMPORARY 6 INCH WHITE LINE, PAINT

RAMP C, STA. C15+30 TO C18+03, SOLID RT
RAMP E, STA. E1+12 TO E1+68, SOLID RT
RAMP D, STA. D0+91 TO D5+50, SOLID RT

646.632 TEMPORARY 6 INCH YELLOW LINE, PAINT

RAMP C, STA. C16+56 TO C18+03, SOLID LT
RAMP C, STA. C9+77 TO C11+24, SOLID LT
RAMP E, STA. E0+00 TO E1+68, SOLID LT
RAMP D, STA. D0+91 TO D5+50, SOLID LT

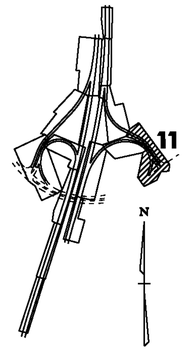
646.662 TEMPORARY 12 INCH WHITE LINE, PAINT

RAMP C & E GORE - TO BE INSTALLED PER THE LATEST EDITION OF THE MUTCD

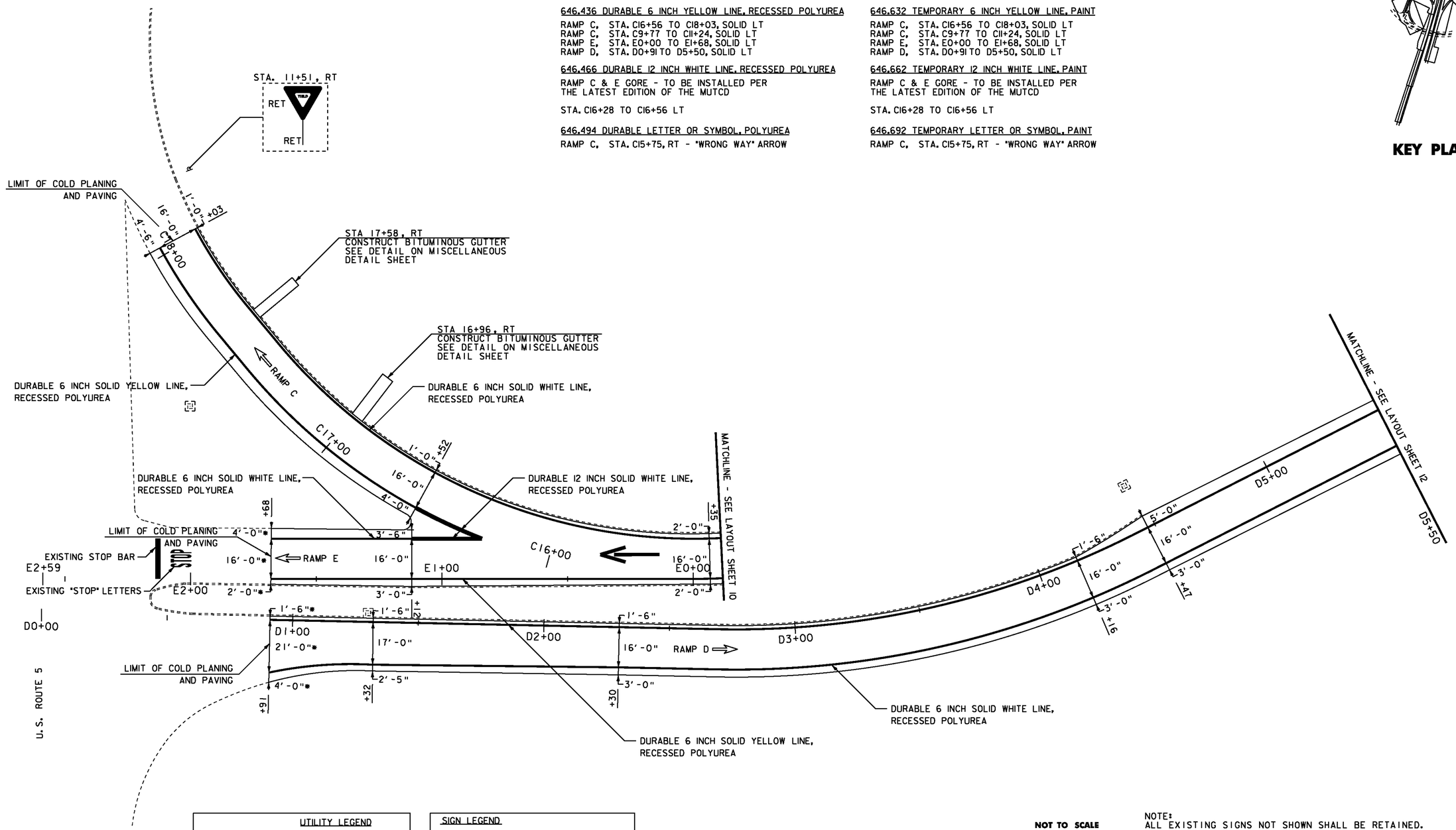
STA. C16+28 TO C16+56 LT

646.692 TEMPORARY LETTER OR SYMBOL, PAINT

RAMP C, STA. C15+75, RT - "WRONG WAY" ARROW



KEY PLAN



UTILITY LEGEND	
	= EXISTING DI
	= EXISTING SIGN POST
	= EXISTING GUARDRAIL
	= EXISTING CULVERT

SIGN LEGEND	
N	= NEW
R	= REMOVE
R&S	= REMOVE & SALVAGE
S	= SALVAGE SIGN
RET	= RETAIN
B-B	= BACK TO BACK

NOT TO SCALE

NOTE:
ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

Stantec

INTERCHANGE 26 LAYOUT SHEET #11

PROJECT NAME: BARTON-IRASBURG
PROJECT NUMBER: IM 091-3(48)

FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286l17.i

PLOT DATE: 06-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 32 OF 40

646.426 DURABLE 6 INCH WHITE LINE, RECESSED POLYUREA
STA. D5+50 TO DII+23, SOLID RT

646.436 DURABLE 6 INCH YELLOW LINE, RECESSED POLYUREA
STA. D5+50 TO DII+23, SOLID LT

646.466 DURABLE 12 INCH WHITE LINE, RECESSED POLYUREA
RAMP D GORE - TO BE INSTALLED PER
THE LATEST EDITION OF THE MUTCD

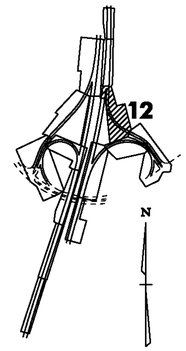
DII+23 TO DII+50 LT

646.622 TEMPORARY 6 INCH WHITE LINE, PAINT
STA. D5+50 TO DII+23, SOLID RT

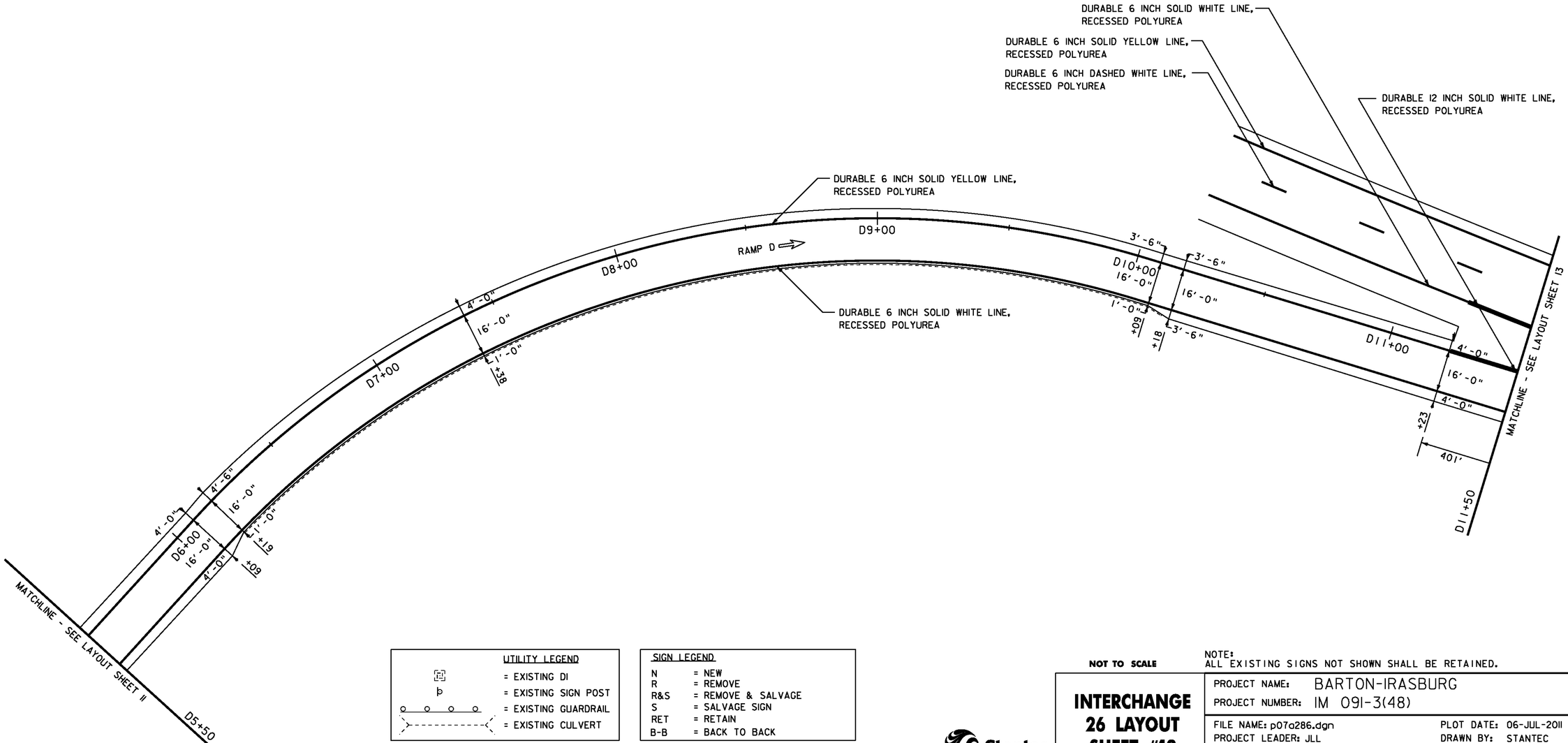
646.632 TEMPORARY 6 INCH YELLOW LINE, PAINT
STA. D5+50 TO DII+23, SOLID LT

646.662 TEMPORARY 12 INCH WHITE LINE, PAINT
RAMP D GORE - TO BE INSTALLED PER
THE LATEST EDITION OF THE MUTCD

DII+23 TO DII+50 LT



KEY PLAN



UTILITY LEGEND	
	= EXISTING DI
þ	= EXISTING SIGN POST
	= EXISTING GUARDRAIL
	= EXISTING CULVERT

SIGN LEGEND	
N	= NEW
R	= REMOVE
R&S	= REMOVE & SALVAGE
S	= SALVAGE SIGN
RET	= RETAIN
B-B	= BACK TO BACK

NOT TO SCALE

NOTE:
ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

Stantec

INTERCHANGE 26 LAYOUT SHEET #12

PROJECT NAME: BARTON-IRASBURG
PROJECT NUMBER: IM 091-3(48)

FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286118.i
PLOT DATE: 06-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 33 OF 40

646.426 DURABLE 6 INCH WHITE LINE, RECESSED POLYUREA

STA. D5+50 TO DI7+25, SOLID RT (EDGE LINE)
STA. DI5+24 TO DI7+25 LT DOTTED

646.466 DURABLE 12 INCH WHITE LINE, RECESSED POLYUREA

RAMP D GORE - TO BE INSTALLED PER
THE LATEST EDITION OF THE MUTCD

DII+50 TO DI5+24 LT

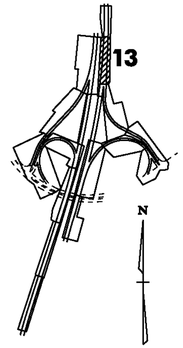
646.622 TEMPORARY 6 INCH WHITE LINE, PAINT

STA. D5+50 TO DI7+25, SOLID RT (EDGE LINE)
STA. DI5+24 TO DI7+25 LT DOTTED

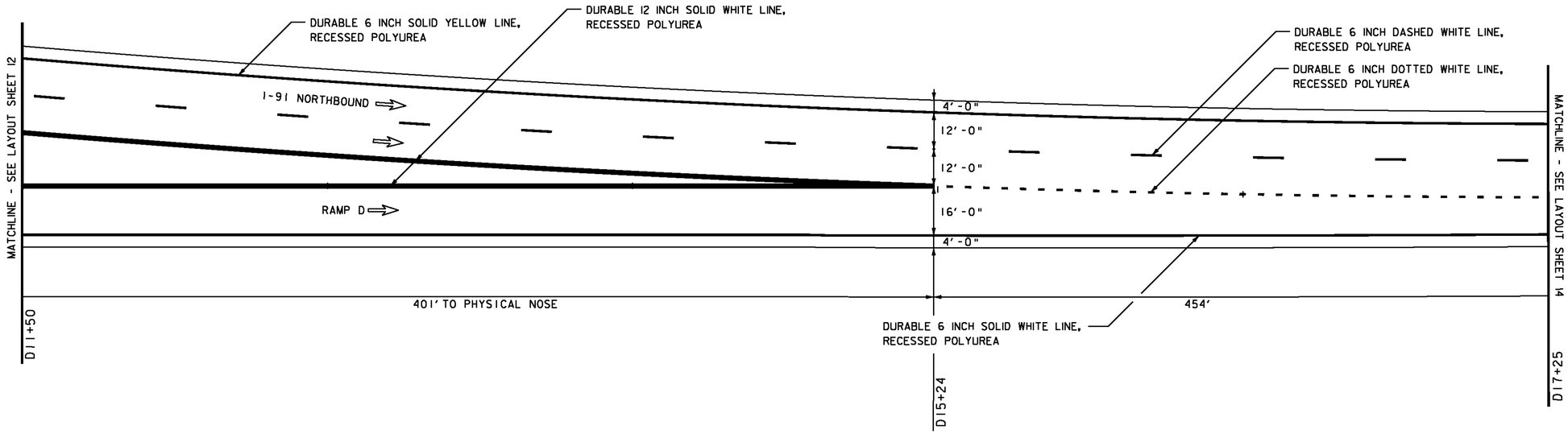
646.662 TEMPORARY 12 INCH WHITE LINE, PAINT

RAMP D GORE - TO BE INSTALLED PER
THE LATEST EDITION OF THE MUTCD

DII+50 TO DI5+24 LT



KEY PLAN



UTILITY LEGEND

= EXISTING DI
= EXISTING SIGN POST
= EXISTING GUARDRAIL
= EXISTING CULVERT

SIGN LEGEND

N	= NEW
R	= REMOVE
R&S	= REMOVE & SALVAGE
S	= SALVAGE SIGN
RET	= RETAIN
B-B	= BACK TO BACK

NOT TO SCALE

NOTE:
ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

Stantec

INTERCHANGE 26 LAYOUT SHEET #13

PROJECT NAME: BARTON-IRASBURG
PROJECT NUMBER: IM 091-3(48)

FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286l19.i

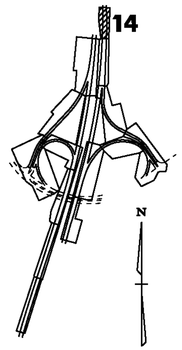
PLOT DATE: 06-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 34 OF 40

646.426 DURABLE 6 INCH WHITE LINE, RECESSED POLYUREA

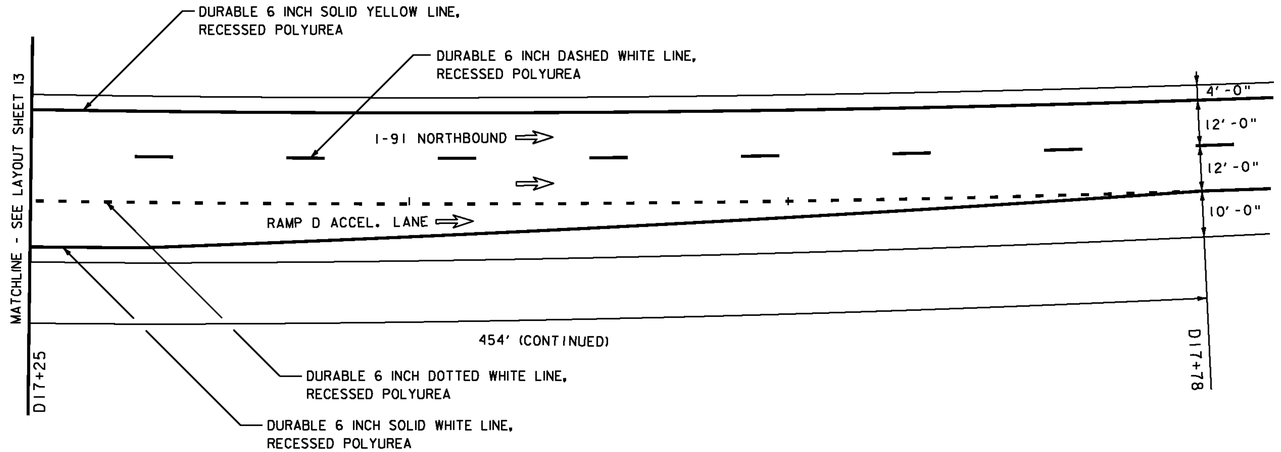
STA. DI7+25 TO DI9+78, SOLID RT (EDGE LINE)
STA. DI7+25 TO DI9+78 LT DOTTED

646.622 TEMPORARY 6 INCH WHITE LINE, PAINT

STA. DI7+25 TO DI9+78, SOLID RT (EDGE LINE)
STA. DI7+25 TO DI9+78 LT DOTTED



KEY PLAN



UTILITY LEGEND

= EXISTING DI
= EXISTING SIGN POST
= EXISTING GUARDRAIL
= EXISTING CULVERT

SIGN LEGEND

N	= NEW
R	= REMOVE
R&S	= REMOVE & SALVAGE
S	= SALVAGE SIGN
RET	= RETAIN
B-B	= BACK TO BACK

NOT TO SCALE

NOTE:
ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

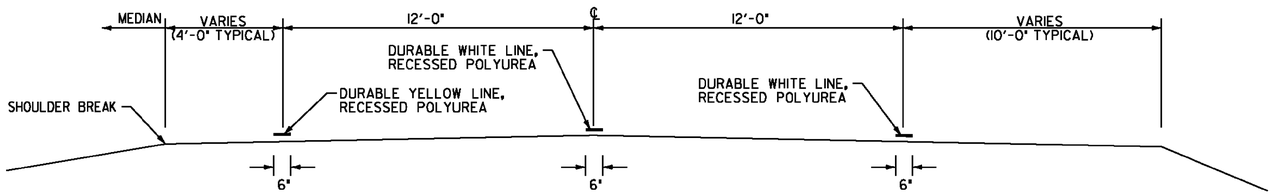
Stantec

INTERCHANGE 26 LAYOUT SHEET #14

PROJECT NAME: BARTON-IRASBURG
PROJECT NUMBER: IM 091-3(48)

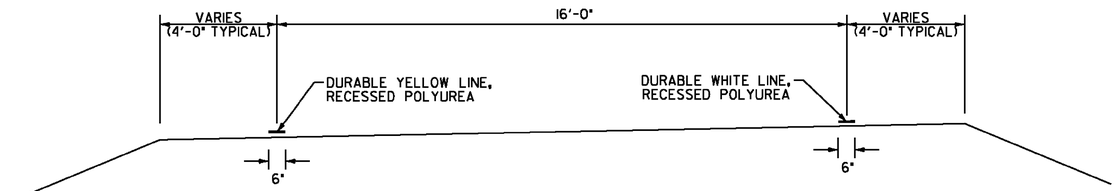
FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286l20.i

PLOT DATE: 06-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 35 OF 40



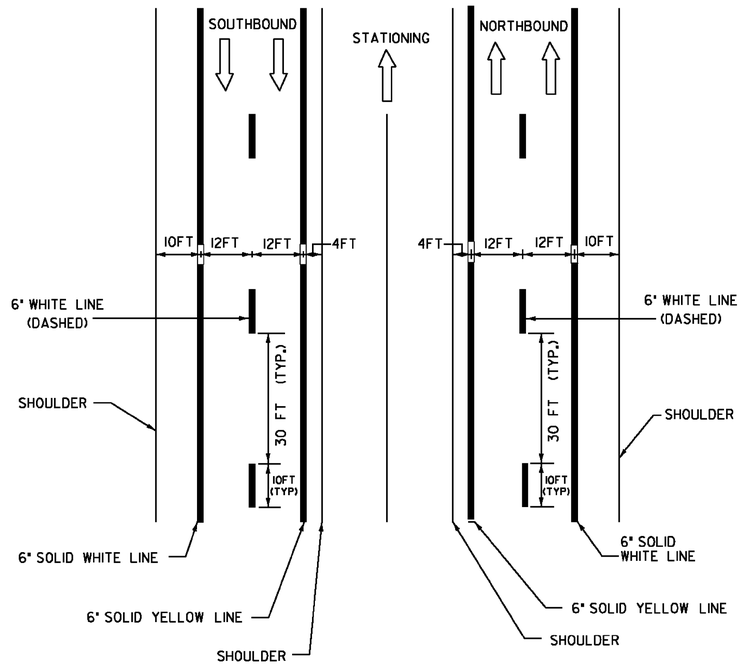
PAVEMENT MARKING PLACEMENT DETAIL – MAINLINE

DETAIL SHOWN FOR NORTHBOUND TYPICAL FACING NORTH (WITH STATIONING)



PAVEMENT MARKING PLACEMENT DETAIL – RAMPS

DETAIL SHOWN FACING DIRECTION OF TRAVEL



PAVEMENT MARKING LINE DETAILS

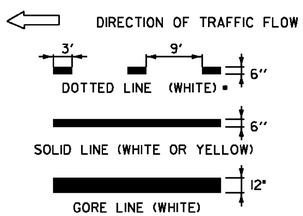
SEE MAINLINE AND INTERCHANGE LAYOUT SHEETS FOR LOCATIONS AND MATERIALS

PAVEMENT MARKING LAYOUT TABLE

(FOR LENGTHS OF THE INTERCHANGE RAMPS SEE THE LAYOUT SHEETS)

LOCATION	(SOLID) DURABLE 6 INCH WHITE LINE, RECESSED POLYUREA	(DASHED) DURABLE 6 INCH WHITE LINE, RECESSED POLYUREA	(DOTTED) DURABLE 6 INCH WHITE LINE, RECESSED POLYUREA	(SOLID) DURABLE 6 INCH YELLOW LINE, RECESSED POLYUREA	(SOLID) DURABLE 12 INCH WHITE LINE, RECESSED POLYUREA
.995 .020					
NB MM ~~155.989~~ TO ~~163.000~~	RIGHT	CENTERLINE		LEFT	
SB MM ~~155.987~~ TO ~~163.000~~	LEFT	CENTERLINE		RIGHT	
156.006 .010					
INTERCHANGE NO. 25					
RAMP D	RIGHT			LEFT	
NB ACCELERATION LANE			LEFT		DBL LEFT (MERGE)
RAMP C	RIGHT			LEFT	
SB DECELERATION LANE			LEFT		DBL LEFT INCLUDING CHEVRONS
INTERCHANGE NO. 26					
RAMP C	RIGHT			LEFT	
NB DECELERATION LANE			LEFT		DBL LEFT INCLUDING CHEVRONS
RAMP B	RIGHT			LEFT	
SB ACCELERATION LANE			LEFT		DBL LEFT (MERGE)
RAMP D	RIGHT			LEFT	
NB ACCELERATION LANE			LEFT		DBL LEFT (MERGE)
RAMP A	RIGHT			LEFT	
SB DECELERATION LANE			LEFT		DBL LEFT INCLUDING CHEVRONS

MAINLINE LEGEND



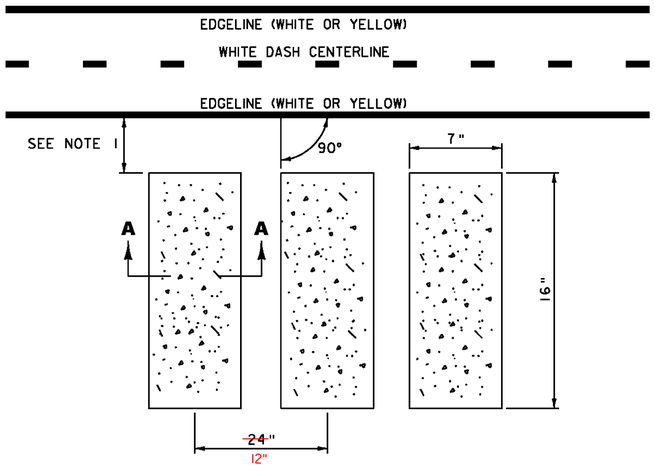
NOT TO SCALE

Stantec

PAVEMENT MARKING LAYOUT & DETAIL SHEET

PROJECT NAME: BARTON-IRASBURG
PROJECT NUMBER: IM 091-3(48)

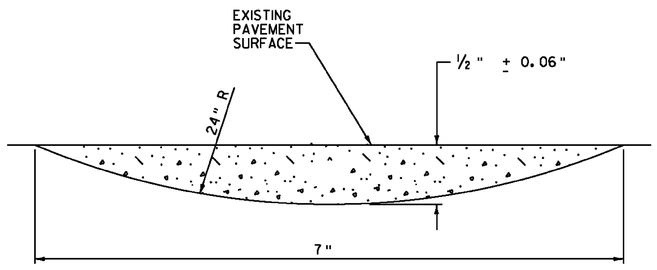
FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286pmd.i
PLOT DATE: 06-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 36 OF 40



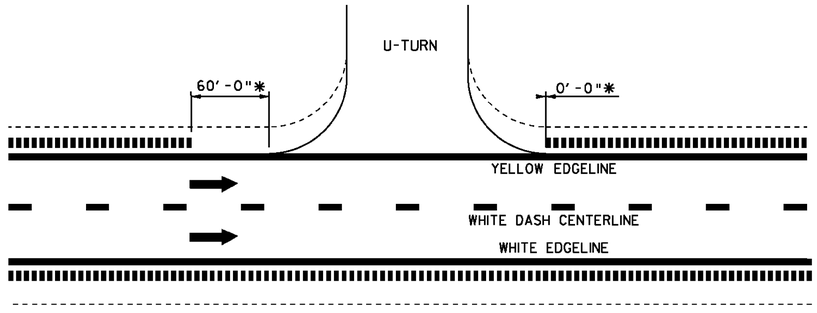
RUMBLE STRIP MILLING DETAIL

NOTES:
1. MILL RUMBLE STRIPS 30 INCHES FROM EDGELINE FOR ALL SHOULDERS 6 FEET OR WIDER; MILL RUMBLE STRIPS 6 INCHES FROM EDGELINE FOR ALL SHOULDERS LESS THAN 6 FEET WIDE.

2. IN GUARDRAIL AREAS, STOP MILLED RUMBLE STRIPS WHEN THE SHOULDER NARROWS TO 4 FEET WIDE.

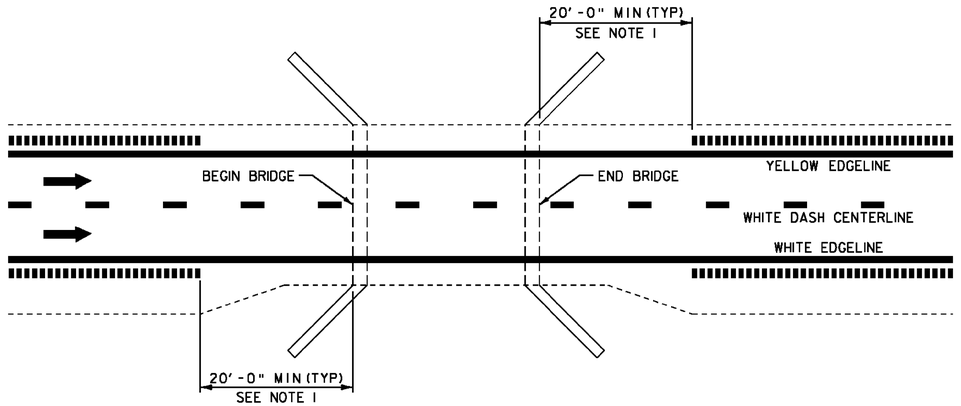


SECTION A-A



RUMBLE STRIP U-TURN DETAIL

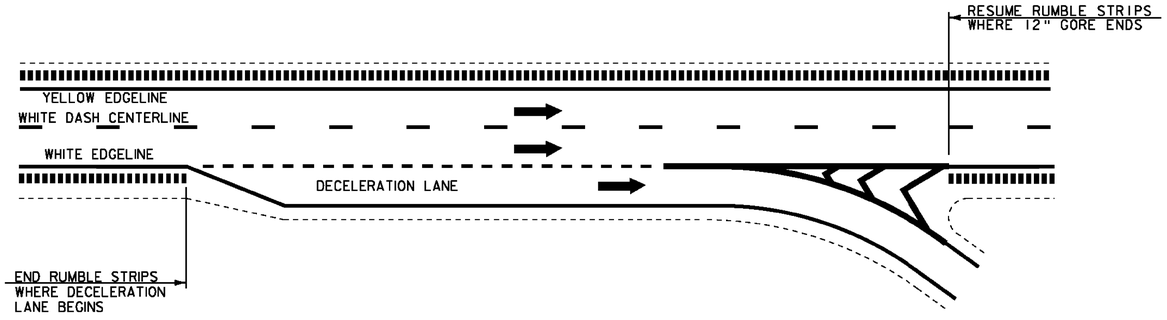
* THE DIMENSIONS MAY VARY DEPENDING ON ACTUAL FIELD CONDITIONS, AND MAY BE MODIFIED AT THE RESIDENT ENGINEER'S DISCRETION.



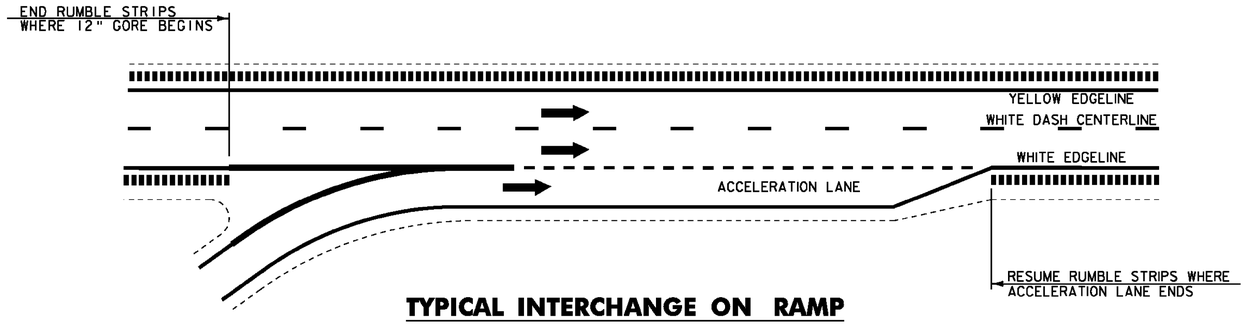
RUMBLE STRIP BRIDGE DETAIL

NOTES:
1. NO RUMBLE STRIPS SHALL BE MILLED WITHIN 20 FEET OF THE BEGIN AND END OF BRIDGE. DO NOT BEGIN RUMBLE STRIPS UNTIL THE SHOULDER IS AT LEAST 4 FEET WIDE.

2. AT NO TIME SHALL THE RUMBLE STRIPS BE MILLED INTO ANY APPROACH SLAB.



TYPICAL INTERCHANGE OFF RAMP



TYPICAL INTERCHANGE ON RAMP

LEGEND

- DIRECTION OF TRAFFIC FLOW
- MILLED RUMBLE STRIPS
- EDGE OF PAVEMENT

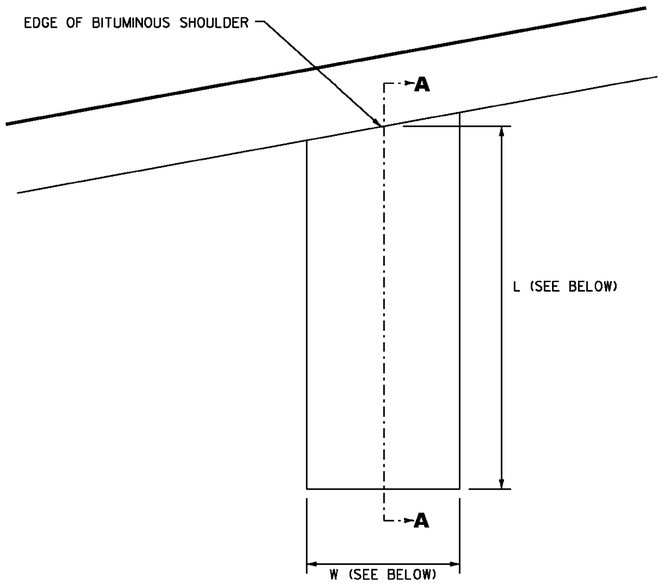
NOT TO SCALE

Stantec

MILLED RUMBLE STRIPS DETAIL SHEET

PROJECT NAME: BARTON-IRASBURG
PROJECT NUMBER: IM 091-3(48)

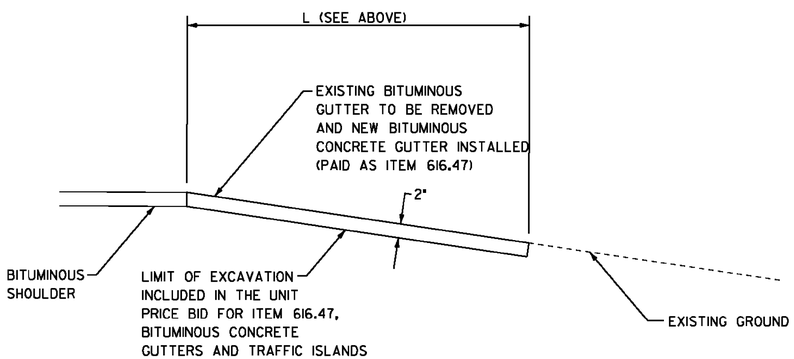
FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286mrsds.i
PLOT DATE: 06-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 37 OF 40



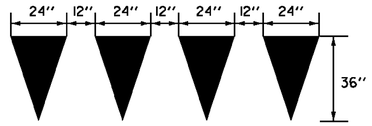
BITUMINOUS GUTTER DETAIL

DIMENSIONS = (L x W)
FOR ADDITIONAL DETAILS, SEE
VAOT STANDARD D-3

EXIT 26 RAMP B STA. 5+30, RT (20' X 4')
EXIT 26 RAMP B STA. 6+93, RT (20' X 4')
EXIT 26 RAMP B STA. 9+66, RT (20' X 5')
EXIT 26 RAMP C STA. 5+72, RT (20' X 4')
EXIT 26 RAMP C STA. 7+84, RT (20' X 4')
EXIT 26 RAMP C STA. 10+16, RT (20' X 5')
EXIT 26 RAMP C STA. 10+77, RT (20' X 4')



SECTION A-A

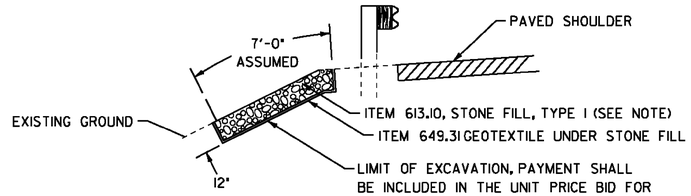


YIELD LINE DETAIL

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

ARROW HEAD DETAIL

WRONG WAY ARROW



SLOPE EROSION REPAIR DETAIL

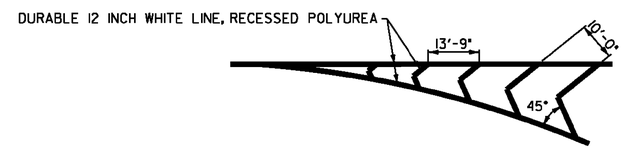
(ASSUME A 7' WIDTH X 6' LENGTH UNLESS OTHERWISE NOTED)

NORTHBOUND
~~MM 157.141, RT~~
~~MM 159.267 - 159.270, RT (18')~~
MM 160.929, RT
MM 161.032, RT
MM 156.380 RT
SOUTHBOUND
MM 156.104 - 156.106, LT (15')
~~MM 160.259, RT~~
~~MM 160.274, LT~~
~~MM 160.338, RT~~
~~MM 160.357, RT~~
~~MM 160.362, RT~~
MM ~~160.367, RT~~ 160.370 LT & RT
~~MM 161.049, RT~~
~~MM 161.057, RT~~

EXIT 25 RAMP D
MM ~~0.059,~~ RT
0.080 RT

NOTE:

AN ESTIMATED QUANTITY OF ITEM 613.11 STONE FILL, TYPE II HAS BEEN INCLUDED FOR USE AS DIRECTED BY THE RESIDENT ENGINEER.



GORE MARKING DETAIL

SEE LAYOUT SHEETS FOR LOCATIONS

NOT TO SCALE

Stantec

MISCELLANEOUS DETAIL SHEET

PROJECT NAME: BARTON-IRASBURG
PROJECT NUMBER: IM 091-3(48)

FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286md.i
PLOT DATE: 06-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 38 OF 40

CULVERT LOCATIONS		
MM	SIZE (INCHES)	TYPE
NORTHBOUND:		
155.519	12	CGMP
155.566	18	CGMP
155.604	18	CGMP
155.604	18	CGMP
155.604	18	CGMP
155.604	18	CGMP
155.604	24	CGMP
155.662	12	CGMP
155.666	12	CGMP
155.670	18	RCP
155.727	18	RCP
155.761	42	CGMP
155.775	18	CGMP
155.838	18	CGMP
155.875	18	CGMP
155.889	18	CGMP
155.926	18	CGMP
155.929	18	CGMP
155.931	12	CGMP
155.971	12	CGMP
155.991	18	CGMP
156.021	18	CGMP
156.055	18	CGMP
156.130	18	CGMP
156.351	18	RCP
156.386	18	CGMP
156.405	12	CGMP
156.420	24	CGMP
156.425	18	CGMP
156.427	18	RCP
156.440	18	CGMP
156.484	18	RCP
156.609	30	CGMP
156.742	18	CGMP
156.818	18	CGMP
156.884	18	CGMP
156.951	24	CGMP
157.004	24	CGMP
157.018	18	CGMP
157.072	18	CGMP
157.171	18	CGMP
157.193	24	CGMP
157.238	24	CGMP
157.305	36	CGMP
157.351	18	CGMP
157.409	18	CGMP
157.479	18	RCP
157.527	18	CGMP
157.589	18	RCP
157.659	18	CGMP

CULVERT LOCATIONS		
MM	SIZE (INCHES)	TYPE
NORTHBOUND (CONT.):		
157.664	12	CGMP
157.712	12	CGMP
157.722	36	CGMP
157.797	18	RCP
157.821	18	RCP
157.844	18	RCP
157.868	18	RCP
157.891	18	RCP
157.895	18	CGMP
157.925	36	CGMP
157.977	12	CGMP
158.042	18	RCP
158.049	18	CGMP
158.091	60	CGMP
158.105	12	CGMP
158.116	12	CGMP
158.249	36	CGMP
158.259	12	CGMP
158.337	18	RCP
158.371	18	RCP
158.406	18	CGMP
158.416	18	CGMP
158.467	48	CGMP
158.481	12	CGMP
158.560	18	CGMP
158.653	42	CGMP
158.668	12	CGMP
158.762	18	RCP
158.781	18	CGMP
158.887	18	CGMP
158.894	18	CGMP
158.942	12	CGMP
158.974	12	CGMP
159.046	12	RCP
159.070	18	RCP
159.093	18	RCP
159.124	18	RCP
159.155	24	RCP
159.167	24	CGMP
159.201	42	CGMP
159.207	12	CGMP
159.244	12	CGMP
159.282	12	CGMP
159.295	24	CGMP
159.320	12	CGMP
159.354	12	CGMP
159.364	24	CGMP
159.402	12	CGMP
159.402	12	CGMP
159.432	48	CGMP

CULVERT LOCATIONS		
MM	SIZE (INCHES)	TYPE
NORTHBOUND (CONT.):		
159.480	24	CGMP
159.544	18	RCP
159.631	48	CGMP
159.742	12	CGMP
159.744	30	CGMP
159.979	18	CGMP
160.064	18	CGMP
160.170	36	CGMP
160.196	18	CGMP
160.197	18	CGMP
160.236	18	CGMP
160.236	18	CGMP
160.237	18	CGMP
160.272	18	CGMP
160.273	18	CGMP
160.286	66	CGMP
160.310	18	CGMP
160.311	18	CGMP
160.340	18	CGMP
160.348	18	CGMP
160.348	18	CGMP
160.386	12	CGMP
160.396	18	CGMP
160.440	24	RCP
160.443	18	RCP
160.467	18	RCP
160.491	18	RCP
160.514	18	RCP
160.537	18	RCP
160.591		CGMP
160.630	24	RCP
160.651	18	RCP
160.651	18	CGMP
160.680	18	RCP
160.708	18	RCP
160.840	18	CGMP
160.888	12	CGMP
160.926	18	CGMP
160.940	12	CGMP
160.964	48	CGMP
160.992	12	CGMP
161.086	18	RCP
161.115	18	RCP
161.142	18	RCP
161.175	18	RCP
161.207	18	RCP
161.245	18	RCP
161.282	18	RCP
161.283	24	RCP
161.333	12	ALUM

CULVERT LOCATIONS		
MM	SIZE (INCHES)	TYPE
NORTHBOUND (CONT.):		
161.335	24	CGMP
161.383	18	CGMP
161.387	12	ALUM
161.44	12	CGMP
161.526	18	CGMP
161.557	18	CGMP
161.582	18	CGMP
161.705	18	CGMP
161.805	18	CGMP
161.863	18	CGMP
161.913	18	CGMP
161.969	18	CGMP
162.247	36	CGMP
162.326	60	CGMP
162.404	24	CGMP
162.501	24	CGMP
162.548	12	CGMP
162.576	12	CGMP
162.596	54	CGMP
162.643	18	RCP
162.708	24	CGMP
162.822	18	CGMP
162.879	18	RCP
162.955	18	RCP
162.978	18	RCP
163.002	18	RCP
163.009	18	CGMP
163.019	24	CGMP
163.124	12	CGMP
163.165	18	CGMP
163.202	36	CGMP
163.221	18	CGMP
163.277	18	CGMP

CULVERT LOCATIONS		
MM	SIZE (INCHES)	TYPE
SOUTHBOUND:		
155.527	18	CGMP
155.567	24	CGMP
155.568	12	CGMP
155.636	18	RCP
155.667	18	RCP
155.697	18	RCP
155.743	18	CGMP
155.916		UNKNW
155.961	12	CGMP
156.173	18	CGMP
156.296	18	CGMP
156.399	18	RCP
156.408	18	RCP
156.437	18	CGMP
156.456	18	RCP
156.513	18	RCP
156.608	24	CGMP
156.737	18	CGMP
156.810	18	CGMP
156.873	18	CGMP
156.938	24	CGMP
157.049	18	CGMP
157.169	12	CGMP
157.450	18	CGMP
157.497	18	CGMP
157.560	18	CGMP
157.630	18	CGMP
157.692	36	CGMP
157.794	18	RCP
157.838	18	RCP
157.882	36	CGMP
157.904	12	CGMP
157.946	12	CGMP
158.037	18	CGMP
158.213	36	CGMP
158.397	12	CGMP
158.435	12	CGMP
158.453	48	CGMP
158.615	12	CGMP
158.643	42	CGMP
158.671	18	CGMP
158.678	18	RCP
158.773	18	RCP
158.961	12	CGMP
159.017	18	RCP
159.044	18	RCP
159.071	18	RCP
159.090	18	RCP
159.109	18	RCP
159.132	18	RCP

CULVERT LOCATIONS		
MM	SIZE (INCHES)	TYPE
SOUTHBOUND (CONT.):		
159.155	18	RCP
159.155	24	CGMP
159.222	12	CGMP
159.343	12	CGMP
159.360	24	CGMP
159.398	12	CGMP
159.398	12	CGMP
159.465	24	CGMP
159.536	18	CGMP
159.610	48	CGMP
159.721	30	CGMP
159.969	18	CGMP
159.974	18	RCP
160.080	18	RCP
160.173	12	CGMP
160.175	12	CGMP
160.182	36	CGMP
160.212	12	CGMP
160.216	12	CGMP
160.250	12	CGMP
160.260	12	CGMP
160.260	66	CGMP
160.303	12	CGMP
160.328	24	CGMP
160.373	24	RCP
160.373	18	RCP
160.406	18	RCP
160.439	18	RCP
160.473	18	RCP
160.506	18	RCP
160.583	50	CGMP
160.648	18	RCP
160.674	18	RCP
160.695	18	RCP
160.713	18	RCP
160.837	18	CGMP
160.904	18	CGMP
160.946	12	CGMP
160.968	48	CGMP
160.998	12	CGMP
161.066	18	RCP
161.095	18	RCP
161.125	18	RCP
161.155	18	RCP
161.184	18	RCP
161.215	18	RCP
161.246	18	RCP
161.276	24	RCP
161.305	18	RCP
161.330	24	RCP

CULVERT LOCATIONS		
MM	SIZE (INCHES)	TYPE
SOUTHBOUND (CONT.):		
161.354	24	CGMP
161.355	18	CGMP
161.405	12	ALUM
161.455	12	ALUM
161.630	18	CGMP
161.702	18	CGMP
161.810	18	CGMP
161.858	18	CGMP
161.862	18	CGMP
161.911	18	CGMP
162.202	18	CGMP
162.317	60	CGMP
162.400	24	CGMP
162.596	12	CGMP
162.715	24	CGMP
162.827	18	CGMP
162.884	18	RCP
162.958	18	RCP
163.005	18	RCP
163.038	18	RCP
163.057	24	RCP
163.078	24	CGMP
163.140	12	CGMP
163.269	15	CGMP

CULVERT LOCATIONS		
MM	SIZE (INCHES)	TYPE
INTERCHANGE 25:		
RAMP C		
0.011	12	CGMP
0.086	12	CGMP
0.112	18	CGMP
RAMP D		
0.042	18	CGMP
0.052	12	CGMP
0.07	18	CGMP
0.098	12	CGMP
INTERCHANGE 26:		
RAMP A		
0.081	30	CGMP
0.212	18	ALUM
RAMP B		
0.033	18	CGMP
0.033	18	RCP
0.095	18	CGMP
0.155	24	CGMP
RAMP C		
0.073	18	CGMP
0.078	18	CGMP
0.139	18	CGMP
0.176	18	RCP
0.195	18	RCP
0.207	18	RCP
0.216	18	CGMP
RAMP D		
0.007	24	CGMP
0.016	18	CGMP
0.08	18	CGMP
RAMP E		
0.038	24	CGMP

THIS SHEET IS FOR INFORMATIONAL PURPOSES ONLY

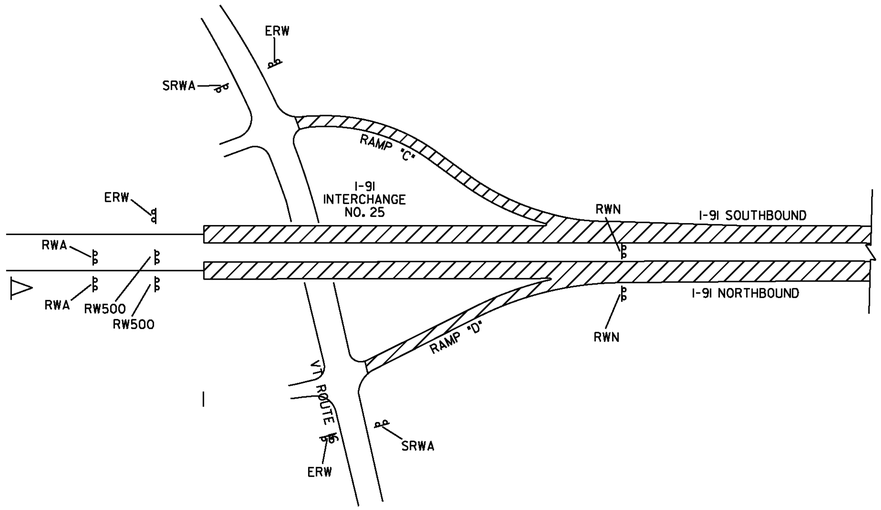
Stantec

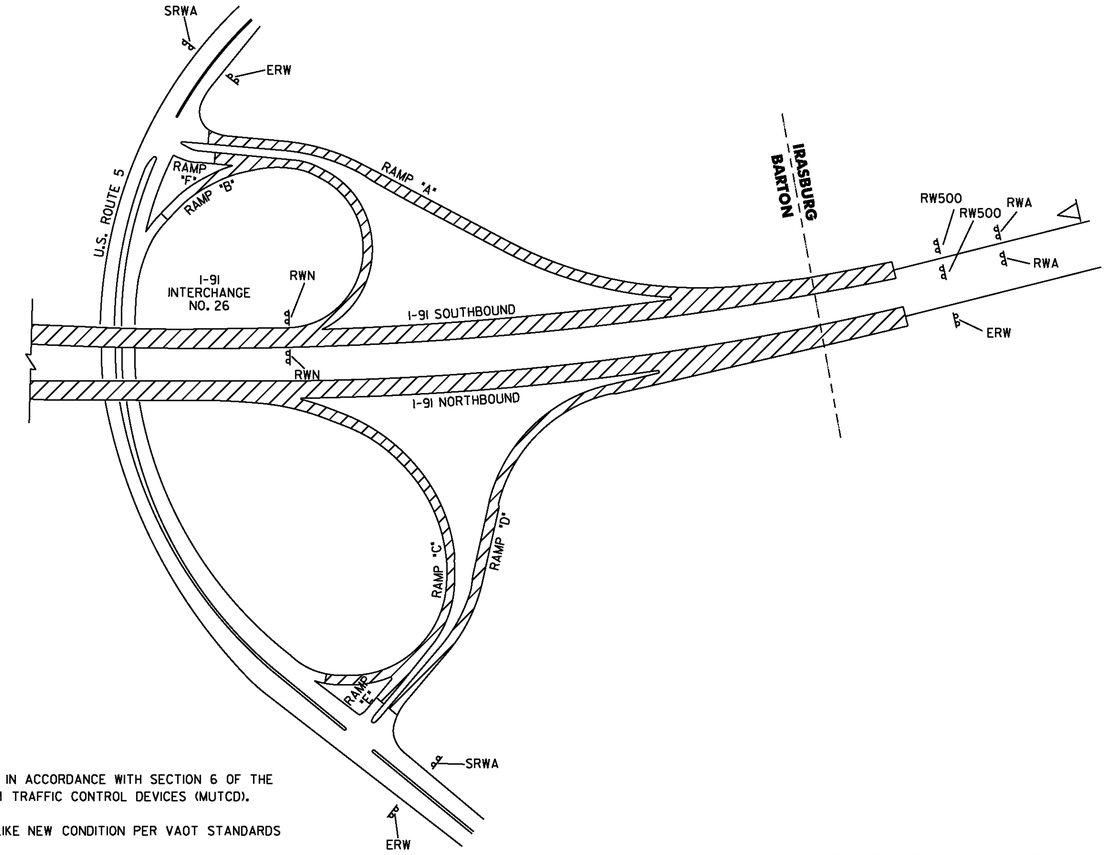
CULVERT LOCATION TABLES SHEET

PROJECT NAME: BARTON-IRASBURG
PROJECT NUMBER: IM 091-3(48)

FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286clt1.i

PLOT DATE: 06-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 39 OF 40





SEE VAOT STANDARDS E-100 AND E-100A FOR SIGN PLACEMENT.

LOCATION	ERW	RWN	RW500	RWA	SRWA	▷
I-91 NORTH/SOUTH - BEGIN PROJECT	1	2	2	2		1
VT ROUTE 16	2				2	
U.S. ROUTE 5	2				2	
I-91 NORTH/SOUTH - END PROJECT	1	2	2	2		1
TOTALS	6	4	4	4	4	2

LEGEND

ERW	= END ROAD WORK
RWN	= ROAD WORK NEXT 7 MILES
RW500	= ROAD WORK 500 FT
RWA	= ROAD WORK AHEAD
SRWA	= SIDE ROAD WORK AHEAD
▷	= PORTABLE CHANGEABLE MESSAGE SIGN

NOTES:

1. THE CONTRACTOR SHALL SUBMIT A SITE SPECIFIC TRAFFIC CONTROL PLAN TO THE RESIDENT ENGINEER FOR APPROVAL PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL INCLUDE A CONSTRUCTION SIGN PACKAGE FOR EXPECTED LANE CLOSURES AND WORK ZONE SPEED REDUCTIONS IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND VAOT STANDARD E-103. THIS WORK SHALL INCLUDE THE G20-5aP "WORK ZONE" PLAQUE AS DIRECTED BY THE RESIDENT ENGINEER. THE COST OF PREPARING THIS PLAN (AND MAKING CHANGES IF NECESSARY) SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 641.10, TRAFFIC CONTROL.

2. THE CONTRACTOR SHALL POSITION PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) WARNING MOTORISTS OF THE EXPECTED ROADWAY CONDITIONS AHEAD. THE MESSAGE TO BE DISPLAYED, AND THEIR PROPOSED LOCATIONS SHALL BE SUBMITTED TO THE RESIDENT ENGINEER IN ADVANCE FOR APPROVAL. THE COST OF PROVIDING THESE MESSAGE SIGNS SHALL BE PAID UNDER ITEM 641.15, PORTABLE CHANGEABLE MESSAGE SIGN.

3. THE BID PRICE FOR TRAFFIC CONTROL, ITEM 641.10, SHALL INCLUDE ALL OF THE FOLLOWING, AS NEEDED: APPROACH AND ON-PROJECT CONSTRUCTION SIGNING, PORTABLE FLASHING ARROW BOARDS, BARRIERS, BARRELS, CONES, BARRICADES, TEMPORARY REGULATORY AND WARNING SIGNS, AND POSTS AS DETAILED IN VTRANS STANDARDS. ALL ADJUSTING, RELOCATING AND REMOVING OF THESE DEVICES AS DIRECTED BY THE RESIDENT ENGINEER SHALL ALSO BE INCLUDED.

4. THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SHALL BE THE STANDARD FOR ALL TRAFFIC CONTROL DEVICES. EXISTING SIGNS AND MARKINGS SHALL BE VALID UNTIL SUCH TIME AS THEY ARE REPLACED OR RECONSTRUCTED. WHEN NEW TRAFFIC DEVICES ARE ERECTED OR PLACED, OR EXISTING TRAFFIC CONTROL DEVICES ARE REPLACED OR REPAIRED, THE EQUIPMENT, DESIGN, METHOD OF INSTALLATION, PLACEMENT OR REPAIR SHALL CONFORM WITH SUCH STANDARDS.
NO CONSTRUCTION SIGNS SHALL BE INSTALLED AS TO INTERFERE OR OBSTRUCT THE VIEW OF EXISTING TRAFFIC CONTROL DEVICES, STOPPING SIGHT DISTANCE, AND CORNER SIGHT DISTANCE FROM DRIVES AND TOWN HIGHWAYS. EXISTING SIGNS WHICH CONFLICT WITH TEMPORARY TRAFFIC CONTROL SHALL BE COMPLETELY COVERED OR REMOVED.

5. SEE VAOT STANDARD E-100 FOR ADDITIONAL SIGN PLACEMENT DETAILS.

6. CONSTRUCTION ZONE SIGN LAYOUT SHALL BE IN ACCORDANCE WITH SECTION 6 OF THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

7. CONSTRUCTION SIGNS SHALL BE IN NEW OR LIKE NEW CONDITION PER VAOT STANDARDS AND THE SPECIAL PROVISIONS.

8. DIAMOND SHAPED SIGNS SHALL BE 4' X 4' WITH BLACK TEXT AND BORDER ON A RETROREFLECTIVE FLUORESCENT ORANGE BACKGROUND.

9. RETROREFLECTIVE SHEETING SHALL BE TYPE III OR VIII MINIMUM AS NOTED ON VAOT STANDARD E-100 AND IN THE SPECIAL PROVISIONS.

10. CONSTRUCTION ZONE SIGNS SHALL BE INSTALLED AS OUTLINED IN THE SPECIAL PROVISIONS AND THE VAOT STANDARDS.

11. WHERE TEMPORARY SIGNS ARE PLACED BEHIND GUARDRAIL, THEY SHALL BE ADJUSTED SUCH THAT THE BOTTOMS OF THE SIGNS ARE ABOVE THE TOP OF GUARDRAIL.

12. AS THE PAVING OPERATION MOVES, FLAGGER SIGNS SHALL BE MOVED ACCORDINGLY. AT NO TIME SHOULD THE FLAGGER SYMBOL SIGN BE MORE THAN 1000 FEET FROM THE FLAGGER STATION. FLAGGER SIGNS SHALL BE COVERED OR TURNED AWAY FROM TRAFFIC WHEN FLAGGING OPERATIONS CEASE FOR LONGER THAN 15 MINUTES.

13. BARRELS AND CONES SHALL BE USED TO CLEARLY DEFINE THE TRAVEL SPACE AND PROVIDE SEPARATION FROM THE WORK SPACE ALONG ITS ENTIRE LENGTH.

14. FOR LANE CLOSURES GREATER THAN ½ MILE LONG, PLACE ONE TYPE III BARRICADE ACROSS THE CLOSED LANE AT 1500 FOOT INTERVALS.

Stantec

CONSTRUCTION APPROACH SIGNING SHEET

PROJECT NAME: BARTON-IRASBURG
PROJECT NUMBER: IM 091-3(48)

FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286cass.i

PLOT DATE: 06-JUL-2011
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SHEET 40 OF 40