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STATE OF VERMONT
AGENCY OF TRANSPORTATION

PROPOSED IMPROVEMENT
TOWNS OF IRASBURG, BROWNINGTON, COVENTRY AND DERBY
COUNTY OF ORLEANS
INTERSTATE ROUTE 91 NB & SB

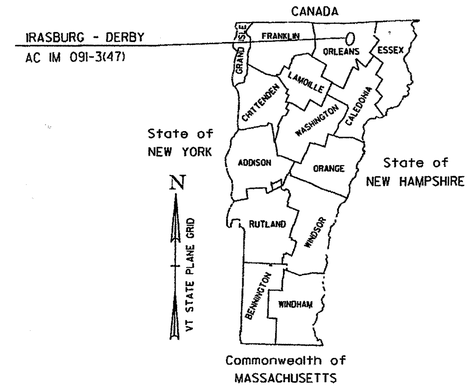
IM 091-3(47) NORTHBOUND:
BEGINNING IN THE TOWN OF IRASBURG AT MILE MARKER 163.020 AND EXTENDING NORTHERLY ALONG INTERSTATE 91 (NORTHBOUND LANE) FOR A DISTANCE OF 35,814.24 FT (6.783 MILES) TO MILE MARKER 169.803 IN THE TOWN OF DERBY. INCLUDES WEIGH STATION AS DESCRIBED IN THE PROJECT DATA ON TYPICAL SHEET #1.

NB LENGTH OF ROADWAY = 35,814.24 FT = (6.783 MILES)
NB LENGTH OF PROJECT = 35,814.24 FT = (6.783 MILES)

IM 091-3(47) SOUTHBOUND:
BEGINNING IN THE TOWN OF IRASBURG AT MILE MARKER 163.020 AND EXTENDING NORTHERLY ALONG INTERSTATE 91 (SOUTHBOUND LANE) FOR A DISTANCE OF 35,814.24 FT (6.783 MILES) TO MILE MARKER 169.803 IN THE TOWN OF DERBY. INCLUDES WEIGH STATION AS DESCRIBED IN THE PROJECT DATA ON TYPICAL SHEET #1.

SB LENGTH OF ROADWAY = 35,814.24 FT = (6.783 MILES)
SB LENGTH OF PROJECT = 35,814.24 FT = (6.783 MILES)

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



TRAFFIC DATA
INTERSTATE I-91

LOCATION	AADT		DHV		ESALS	
	2011	2021	2011	2021	2011-2021	2011-2031
NORTHBOUND I-91						
BEGIN PROJECT TO END PROJECT	2300	2400	430	450	2,228,000	5,705,000
SOUTHBOUND I-91						
BEGIN PROJECT TO END PROJECT	2300	2400	390	410	1,856,000	4,651,000

RECORD PLANS

CONTRACTOR: PIKE INDUSTRIES, INC. – BERLIN, VT
RESIDENT ENGINEER: DOUG BUMPS
CONSTRUCTION BEGAN: APRIL 25, 2011
CONSTRUCTION COMPLETE: OCTOBER 28, 2011
RECORD PLANS BY: DOUG BUMPS & C. PIERCE

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

BY _____ RESIDENT ENGINEER

DATE 11/9/12

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.

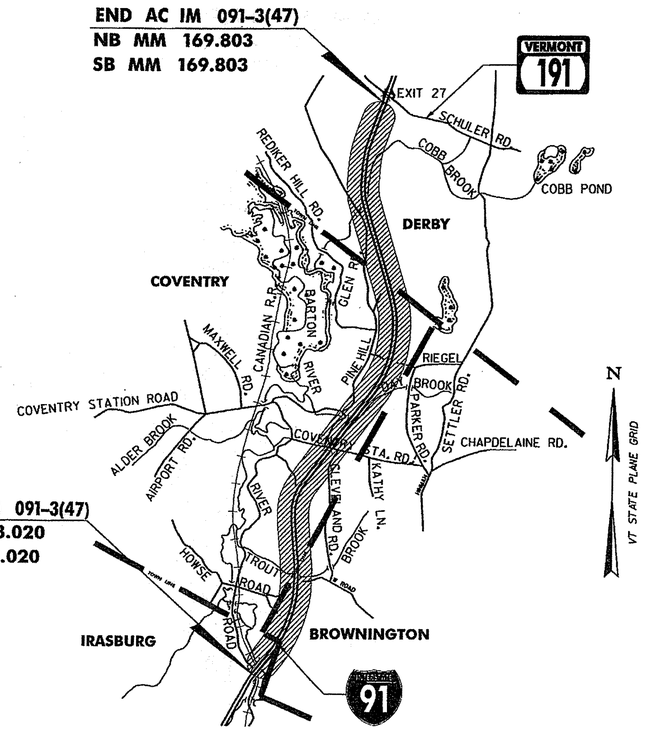
QUALITY ASSURANCE PROGRAM: LEVEL I

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
TOP OF CUT
TOE OF SLOPE

SURVEYED BY : N/A
SURVEYED DATE : N/A

DATUM
VERTICAL N/A
HORIZONTAL N/A



SUPERPAVE BITUMINOUS CONCRETE PAVEMENT MIXTURE DESIGN CRITERIA

DESIGN LANE/DESIGN LIFE ESALS	5,705,000
DESIGN NUMBER OF GYRATIONS	80
PERFORMANCE GRADE ASPHALT BINDER	SEE SECTION 490 OF THE GENERAL SPECIAL PROVISIONS

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".

STATE OF VERMONT
GREGORY A. EDWARDS
No. 5842
REGISTERED PROFESSIONAL ENGINEER
7-15-10

Stantec

p07al48.dgn
p07al48ts.i

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATOR
APPROVED Mark D. Richter DATE 8-10-10

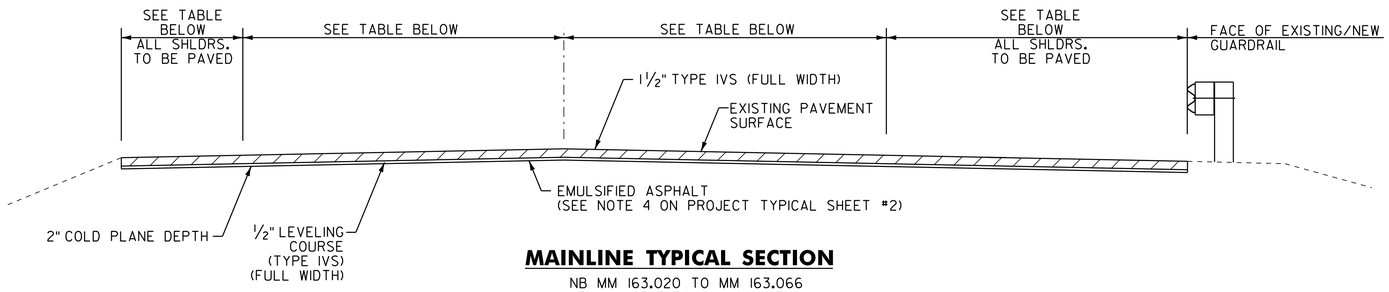
DIRECTOR OF PROGRAM DEVELOPMENT
APPROVED _____ DATE 7/20/10

PROJECT MANAGER : MIKE FOWLER

PROJECT NAME : IRASBURG - DERBY
PROJECT NUMBER : ACIM 091-3 (47)

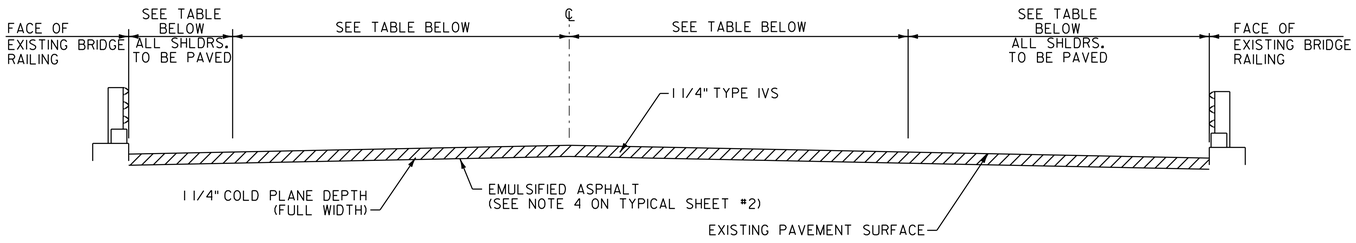
SHEET 1 OF 28 SHEETS

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



MAINLINE TYPICAL SECTION

NB MM 163.020 TO MM 163.066
NB MM 163.151 TO MM 169.803
SB MM 163.020 TO MM 163.085
SB MM 163.167 TO MM 169.803



BRIDGE TYPICAL SECTION – BRIDGE NOS. 107–N & 107–S

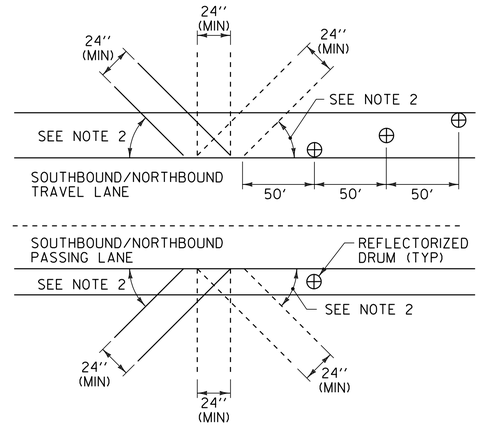
NB MM 163.066 - 163.151 (BRIDGE NO. 107-N)
SB MM 163.085 - 163.167 (BRIDGE NO. 107-S)

PROJECT PAVING LIMITS

TOWN & ROUTE	BEGIN STATION (MM)	END STATION (MM)	LANE TYPICAL	WEARING DEPTH	LEVELING DEPTH	NOTES
INTERSTATE 91 NORTHBOUND	163.020	163.066	4'-0" - 12'-0" - 12'-0" - 10'-0"	1-1/2"	½"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 ½" TYPE IVS.
INTERSTATE 91 NORTHBOUND	163.263		31'-6"	1-1/2"	½"	U-TURN - COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS.
INTERSTATE 91 NORTHBOUND	163.308		30'-0"	1-1/2"	½"	U-TURN - COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS.
INTERSTATE 91 NORTHBOUND	166.548		30'-0"	1-1/2"	-	U-TURN - PAVE WITH 1 ½" TYPE IVS.
INTERSTATE 91 NORTHBOUND	167.936		31'-6"	1-1/2"	-	U-TURN - PAVE WITH 1 ½" TYPE IVS.
INTERSTATE 91 NORTHBOUND	163.066	163.151	4'-0" - 12'-0" - 12'-0" - 10'-0"	1-1/4"	-	BRIDGE 107-N - COLD PLANE 1¼", PAVE WITH 1¼" TYPE IVS
INTERSTATE 91 NORTHBOUND	163.151	169.803	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.
WEIGH STATION	SEE LAYOUT SHEETS		VARIES - SEE LAYOUT SHEETS	1-1/2"	½"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 ½" TYPE IVS.
INTERSTATE 91 SOUTHBOUND	163.020	163.085	10'-0" - 12'-0" - 12'-0" - 4'-0"	1-1/2"	½"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 ½" TYPE IVS.
INTERSTATE 91 SOUTHBOUND	163.085	163.167	10'-0" - 12'-0" - 12'-0" - 4'-0"	1-1/4"	-	BRIDGE 107-S - COLD PLANE 1¼", PAVE WITH 1¼" TYPE IVS
INTERSTATE 91 SOUTHBOUND	163.167	169.803	10'-0" - 12'-0" - 12'-0" - 4'-0"	1-1/2"	½"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 ½" TYPE IVS.
WEIGH STATION	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 163.020 TO MM 169.803	6.783	35,814.24
I-91 SOUTHBOUND MM 163.202 TO MM 169.803	6.783	35,814.24
NORTHBOUND WEIGH STATION	0.249	1,315.00
NORTHBOUND REST AREA	0.187	986.00
SOUTHBOUND WEIGH STATION	0.284	1,500.00
SOUTHBOUND REST AREA	0.177	933.00



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 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

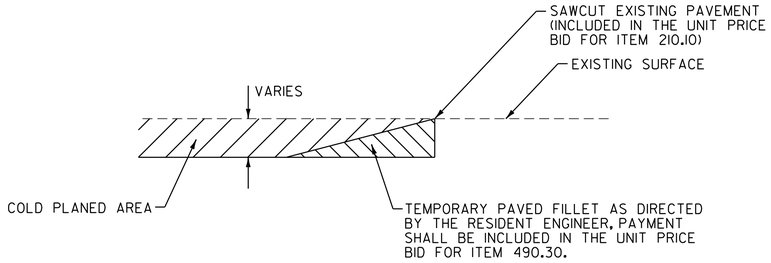
Stantec

PROJECT TYPICAL SHEET #1

PROJECT NAME: IRASBURG - DERBY
PROJECT NUMBER: IM 091-3(47)

FILE NAME: p07a148.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a148pts01.i

PLOT DATE: 04-DEC-2012 13:4
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 2 OF 28

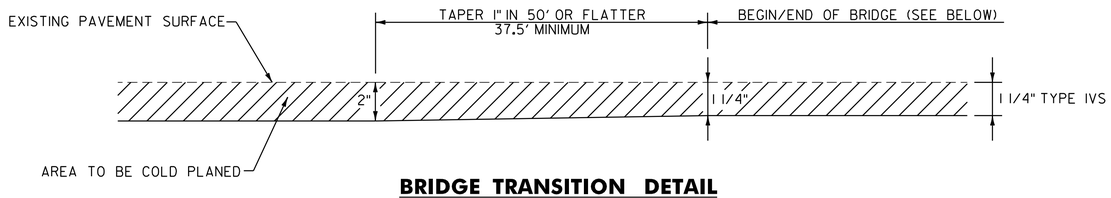


DETAIL AT VERTICAL COLD PLANE JOINTS

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

FULL ROADWAY WIDTH

INTERSTATE 91 NB MM 163.020 (BEGIN PROJECT)
INTERSTATE 91 NB MM 169.803 (END PROJECT)
INTERSTATE 91 SB MM 163.020 (BEGIN PROJECT)
INTERSTATE 91 SB MM 169.803 (END PROJECT)



BRIDGE TRANSITION DETAIL

NB MM 163.059- 163.066 (BRIDGE NO. 107-N)
NB MM 163.151- 163.158 (BRIDGE NO. 107-N)
SB MM 163.078 - 163.085 (BRIDGE NO. 107-S)
SB MM 163.167 - 163.174 (BRIDGE NO. 107-S)

PAVEMENT CORE DATA

CORE #	LOCATION	DEPTH (INCHES)	PCC
1	NB MM 163.25	4 1/4"	NO
2	NB MM 164.30	4 1/2"	NO
3	NB MM 165.25	5"	NO
4	NB MM 166.30	4 1/4"	NO
5	NB MM 167.30	4 1/4"	NO
6	NB MM 168.25	4 1/2"	NO
7	NB MM 169.25	4 1/2"	NO
8	SB MM 169.70	4 1/4"	NO
9	SB MM 168.70	4 1/2"	NO
10	SB MM 167.75	4 3/4"	NO
11	SB MM 166.75	5"	NO
12	SB MM 165.75	4 1/4"	NO
13	SB MM 164.75	5 1/4"	NO
14	NB MM 163.30	5"	NO

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.

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. GRASS GROWING ADJACENT TO PAVEMENT OR THROUGH CRACKS IN THE PAVEMENT WHICH MAY HAMPER THE PLACEMENT OF NEW BITUMINOUS CONCRETE SHALL BE REMOVED BY THE CONTRACTOR AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT FOR THIS WORK WILL NOT BE MADE DIRECTLY, BUT WILL BE CONSIDERED INCLUDED IN THE UNIT PRICE BID FOR ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.

3. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = ±1/4". (TOTAL THICKNESS EXCLUDING LEVELING)

4. EMULSIFIED ASPHALT SHALL BE APPLIED ON EXISTING PAVEMENT SURFACES, ON COLD PLANED SURFACES AND BETWEEN ALL COURSES OF PAVEMENT AT THE RATE OF 0.025 GAL/SY OR AS DIRECTED BY THE RESIDENT ENGINEER.

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 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 AND SHALL BE PAID FOR UNDER ITEM 608.15 POWER GRADER RENTAL.

9. ESTIMATED QUANTITIES OF ITEMS 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I, ITEM 608.37 TRUCK RENTAL HAVE BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARDRAIL END SECTION FLARES. AN ESTIMATED 25 CUBIC YARDS OF 203.30 EARTH BORROW HAS BEEN INCLUDED FOR THE CONSTRUCTION OF THE GUARDRAIL END SECTION FLARES. 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, ITEM 604.418 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS III 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.

NOT TO SCALE

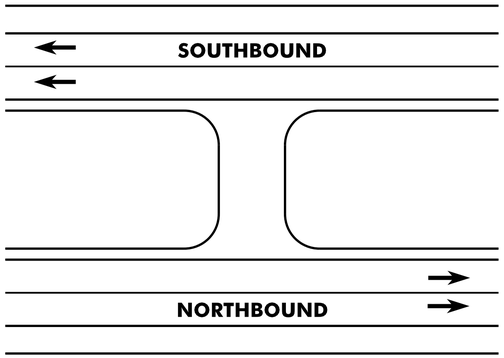
PROJECT TYPICAL SHEET #2

PROJECT NAME: IRASBURG - DERBY
PROJECT NUMBER: IM 091-3(47)

FILE NAME: p07a148.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a148pts02.i

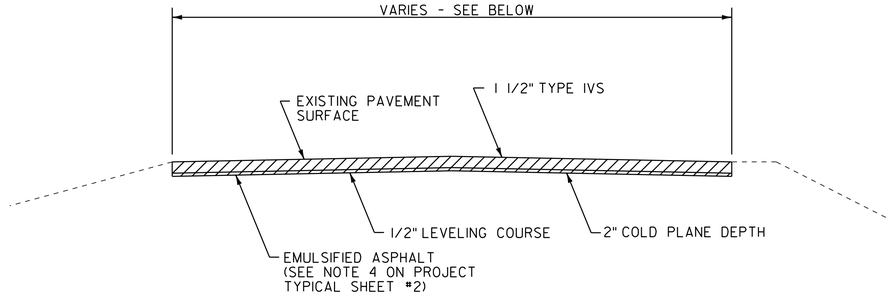
PLOT DATE: 04-DEC-2012 13:4
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 3 OF 28

Stantec



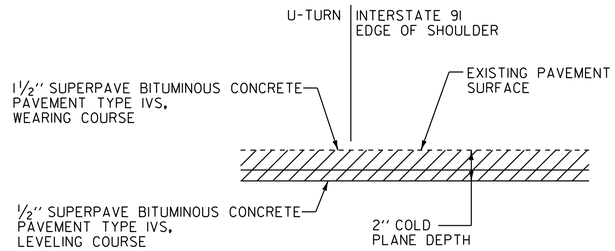
U-TURN DETAIL

NB MM 163.263 (31.5' WIDE X 43' LONG)
NB MM 163.308 (30' WIDE X 42.5' LONG)
NB MM 166.548 (30' WIDE X 174' LONG)
NB MM 167.936 (31.5' WIDE X 300' LONG)



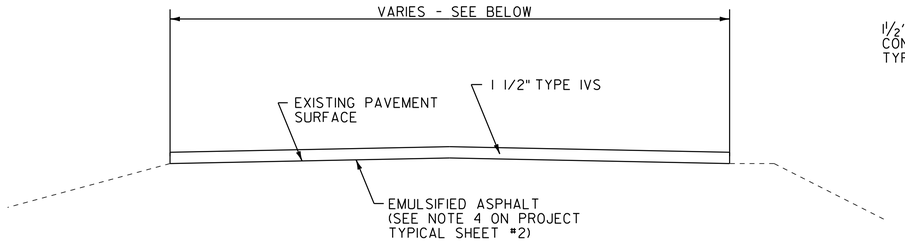
COLD PLANE U-TURN TYPICAL SECTION

NB MM 163.263 (31.5' WIDE X 43' LONG)
NB MM 163.308 (30' WIDE X 42.5' LONG)



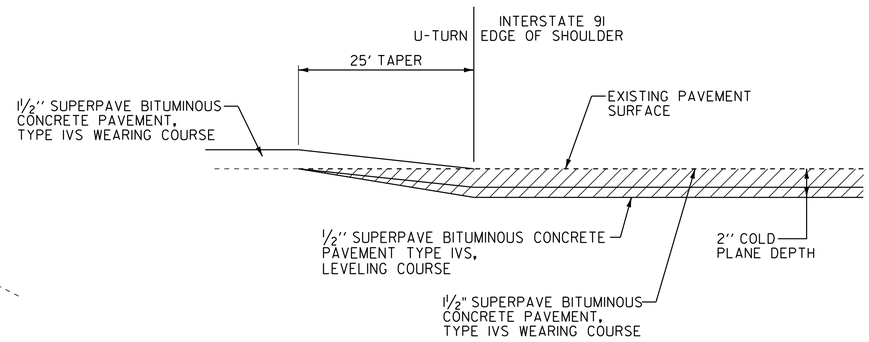
U-TURN PAVING DETAIL

U-TURN LENGTH LESS THAN 50 FEET
NB MM 163.263 (31.5' WIDE X 43' LONG)
NB MM 163.308 (30' WIDE X 42.5' LONG)



OVERLAY U-TURN TYPICAL SECTION

NB MM 166.548 (30' WIDE X 174' LONG)
NB MM 167.936 (31.5' WIDE X 300' LONG)



U-TURN PAVING TRANSITION DETAIL

U-TURN LENGTH GREATER THAN 50 FEET
NB MM 166.548 (30' WIDE X 174' LONG)
NB MM 167.936 (31.5' WIDE X 300' LONG)

NOT TO SCALE

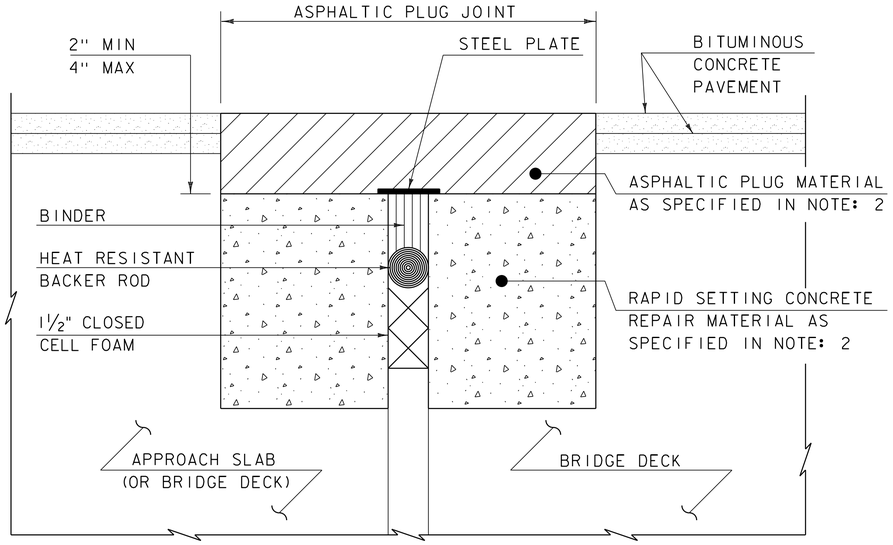
Stantec

U-TURN DETAIL SHEET

PROJECT NAME: IRASBURG - DERBY
PROJECT NUMBER: IM 091-3(47)

FILE NAME: p07a148.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a148utds.i

PLOT DATE: 04-DEC-2012 13:4
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 4 OF 28



ASPHALTIC PLUG-TYPE JOINT DETAIL - REHAB

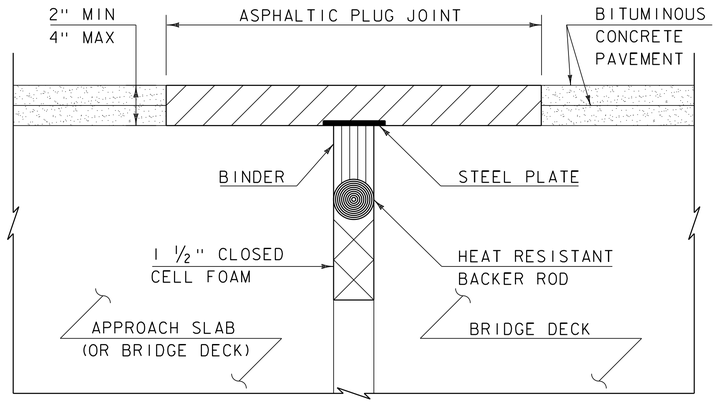
(NOT TO SCALE)

NOTES:

1. THE CONTRACTOR SHALL REMOVE ALL ASPHALTIC PLUG JOINT MATERIAL AND DETERIORATED CONCRETE AS DIRECTED BY THE ENGINEER. REMOVAL OF THE FIRST 4 INCHES OF MATERIAL SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 516.10 BRIDGE EXPANSION JOINT, ASPHALTIC PLUG. ANY REMOVAL OF MATERIAL GREATER THAN 4 INCHES SHALL BE INCLUDED IN THE BID PRICE OF ITEM 580.20 RAPID SETTING CONCRETE REPAIR MATERIAL WITH COURSE AGGREGATE.

2. THE CONTRACTOR SHALL REPLACE REMOVED MATERIAL THAT IS LESS THAN 4" FROM FINISHED GRADE WITH ASPHALTIC PLUG JOINT MATERIAL MEETING THE REQUIREMENTS OF SUBSECTION 707.15. ALL REMOVED MATERIAL THAT IS GREATER THAN 4 INCHES FROM FINISHED GRADE SHALL BE REPLACED WITH RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE MEETING THE REQUIREMENTS OF SUBSECTION 780.04.

3. REINFORCING STEEL NOT SHOWN FOR CLARITY.



ASPHALTIC PLUG-TYPE JOINT DETAIL - NEW

(NOT TO SCALE)

LOCATIONS

BR 107-N INTERSTATE 91 NB MM 163.066 (49 LF)
~~BR 107-S INTERSTATE 91 SB MM 163.085 (54 LF)~~

NO WORK DONE TO BR 107-SB

THIS BRIDGE WAS ELIMINATED FROM THIS PROJECT DUE TO A CONCURRENT MEMBRANE PROJECT.

ASPHALTIC PLUG JOINT NOTES

INSTALLATION:

1. LOCATE THE JOINT CENTRALLY OVER THE DECK OVERLAY EXPANSION GAP OR FIXED JOINT, MARKED OUT TO THE MANUFACTURER'S RECOMMENDED WIDTH.

2. REMOVE THE BITUMINOUS CONCRETE PAVEMENT FULL DEPTH AS SHOWN ON THE PLANS. THE PAVEMENT SHALL BE DRY AND SAW CUT TO THE LIMITS REQUIRED TO PLACE THE JOINT. A PNEUMATIC HAMMER AND CHISEL MAY BE USED ADJACENT TO THE CURB ONLY WHEN SAW CUTTING IS NOT POSSIBLE.

3. BLAST CLEAN THE JOINT AREA OF DEBRIS, ASPHALT AND SHEET MEMBRANE. THOROUGHLY DRY THE JOINT AREA WITH COMPRESSED AIR PRIOR TO APPLYING BINDER MATERIAL.

4. REPAIR MATERIAL GREATER THAN 4 INCHES FROM FINISHED GRADE WITH RAPID SETTING CONCRETE REPAIR MATERIAL WITH COURSE AGGREGATE MEETING THE REQUIREMENTS OF SUBSECTION 780.04.

5. PLACE PROPERLY SIZED HEAT RESISTANT BACKER ROD IN THE MOVEMENT GAP ALLOWING FOR 1" +/- OF BINDER ABOVE THE ROD.

6. HEAT AND PLACE THE BINDER MATERIAL AS RECOMMENDED BY THE MANUFACTURER.

7. PLACE 1/4" THICK BY 8" WIDE SECTIONS OF STEEL PLATE OVER THE CENTER OF THE MOVEMENT GAP. SECURE THE PLATES FROM MOVING BY INSERTING LOCATING PINS THROUGH THE PRE-STAMPED HOLES INTO BACKER ROD AND COVER WITH HOT BINDER. THE STEEL PLATES MAY BE OMITTED WHERE THE ENGINEER DETERMINES THAT THE APPROACH SLAB OR BRIDGE DECK WILL PROVIDE INADEQUATE SUPPORT AND WHERE VERTICAL MOVEMENT OF THE PLATES MIGHT OCCUR.

8. HEAT AND MIX THE BINDER MATERIAL AND AGGREGATE AS RECOMMENDED BY THE MANUFACTURER.

9. INSTALLATION OF MATERIAL, COMPACTION, AND TOP COATING SHALL BE AS RECOMMENDED BY THE MANUFACTURER.

10. IMMEDIATELY AFTER TOP COATING, CAST AN ANTI-SKID MATERIAL OVER THE JOINT TO REDUCE THE RISK OF TRACKING.

11. ONCE THE JOINT REACHES 82 DEG C (180 DEG F) +/-, WATER MAY BE USED TO EXPEDITE THE COOLING PROCESS.

12. PROTECT JOINT FROM TRAFFIC UNTIL THE MATERIAL HAS COOLED TO 51 DEG C (125 DEG F) +/-.

WEATHER LIMITATIONS

APPLY BINDER MATERIAL ONLY WHEN THE FOLLOWING CONDITIONS PREVAIL OR AS RECOMMENDED BY THE MANUFACTURER:

1. THE AMBIENT AIR TEMPERATURE IS AT LEAST 10 DEG C (50 DEG F) AND RISING.

2. THE ROAD SURFACE IS DRY.

3. WEATHER CONDITIONS OR OTHER CONDITIONS ARE FAVORABLE AND ARE EXPECTED TO REMAIN SO FOR THE PERFORMANCE OF SATISFACTORY WORK.

NOT TO SCALE

ASPHALTIC PLUG JOINT DETAILS SHEET

PROJECT NAME: IRASBURG - DERBY
PROJECT NUMBER: IM 091-3(47)

FILE NAME: p07a148.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a148apjds.i

PLOT DATE: 04-DEC-2012 13:4
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 5 OF 28

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
400					400	CY	EARTH BORROW	203.30	-
37000					37000	LF	SHOULDER BERM REMOVAL	203.40	331
1					1	CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22	-
328400					328400	SY	COLD PLANING, BITUMINOUS PAVEMENT	210.10	3283
127500					127500	LF	MILLED RUMBLE STRIPS	213.10	1214
700					700	TON	AGGREGATE SHOULDERS, RAP	402.13	2
1360					1360	CWT	EMULSIFIED ASPHALT	404.65	16
1					1	LU	PRICE ADJUSTMENT, ASPHALT CEMENT (N.A.B.I.)	406.50	-
38050					38050	TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	490.30	146
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	-
		105			105	LF	BRIDGE EXPANSION JOINT, ASPHALTIC PLUG	516.10	2
		100			100	CF	RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE	580.20	EST.
1					1	EACH	CHANGING ELEVATION OF DROP INLETS, CATCH BASINS, OR MANHOLES	604.40	EST.
110					110	EACH	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I	604.412	EST.
14					14	EACH	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS II	604.415	EST.
14					14	EACH	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS III	604.418	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.
			1460		1460	CY	STONE FILL, TYPE I	613.10	15
			50		50	CY	STONE FILL, TYPE II	613.11	EST.
8500					8500	LF	REMOVAL OF EXISTING CURB	616.41	89
330					330	EACH	YIELDING MARKER POSTS	619.17	4
2425					2425	LF	STEEL BEAM GUARDRAIL, GALVANIZED	621.20	1
16					16	EACH	MANUFACTURED TERMINAL SECTION, FLARED	621.50	-
12					12	EACH	ANCHOR FOR STEEL BEAM RAIL	621.60	-
36					36	EACH	ANCHOR FOR CABLE RAIL	621.65	EST.
464					464	EACH	REPLACE GUARDRAIL POST ASSEMBLY	621.76	EST.
88					88	EACH	REPLACE GUARDRAIL BEAM UNIT	621.77	EST.
1351					1351	LF	ADJUST HEIGHT OF GUARDRAIL	621.79	EST.
850					850	LF	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80	12.5
1500					1500	HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST.

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		ITEM 210.10 COLD PLANING - BITUMINOUS PAVEMENT
149322	SY	NORTHBOUND MAINLINE
1895	SY	NORTHBOUND BRIDGES
149389	SY	SOUTHBOUND MAINLINE
1829	SY	SOUTHBOUND BRIDGES
10695	SY	NORTHBOUND WEIGH STATION & REST AREA
11524	SY	SOUTHBOUND WEIGH STATION & REST AREA
292	SY	U-TURNS - COLD PLANED
171	SY	U-TURNS - OVERLAY TRANSITION AREAS
3283	SY	ROUNDING
328400	SY	TOTAL
		ITEM 213.10 MILLED RUMBLE STRIPS
62377	LF	NORTHBOUND
63909	LF	SOUTHBOUND
1214	LF	ROUNDING
127500	LF	TOTAL
		ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT
13066	TON	NORTHBOUND MAINLINE WEARING COURSE
139	TON	NORTHBOUND BRIDGES WEARING COURSE
13073	TON	SOUTHBOUND MAINLINE WEARING COURSE
134	TON	SOUTHBOUND BRIDGES WEARING COURSE
937	TON	NORTHBOUND WEIGH STATION & REST AREA WEARING COURSE
1008	TON	SOUTHBOUND WEIGH STATION & REST AREA WEARING COURSE
168	TON	U-TURNS WEARING COURSE
9379	TON	LEVELING
146	TON	ROUNDING
38050	TON	TOTAL
		ITEM 613.10 STONE FILL, TYPE I
1041	CY	DITCH CLEANING
404	CY	SLOPE EROSION REPAIR
15	CY	ROUNDING
1460	CY	TOTAL

PROJECT NAME: IRASBURG - DERBY
PROJECT NUMBER: IM 091-3(47)

FILE NAME: p07a148.dgn
PROJECT LEADER: JLL
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IPARM FILE: p07a148qs01.i

PLOT DATE: 04-DEC-2012 13:4
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 6 OF 28

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
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	-
2200					2200	LF	DURABLE 4 INCH WHITE LINE, THERMOPLASTIC	646.402	50
96200					96200	LF	DURABLE 6 INCH WHITE LINE, RECESSED POLYUREA	646.426	943
76000					76000	LF	DURABLE 6 INCH YELLOW LINE, RECESSED POLYUREA	646.436	730
3980					3980	LF	DURABLE 12 INCH WHITE LINE, RECESSED POLYUREA	646.466	48
85					85	LF	DURABLE 24 INCH STOP BAR, THERMOPLASTIC	646.482	5
31					31	EACH	DURABLE LETTER OR SYMBOL, THERMOPLASTIC	646.492	-
4350					4350	LF	TEMPORARY 4 INCH WHITE LINE, PAINT	646.602	50
192400					192400	LF	TEMPORARY 6 INCH WHITE LINE, PAINT	646.622	1887
152000					152000	LF	TEMPORARY 6 INCH YELLOW LINE, PAINT	646.632	1459
7900					7900	LF	TEMPORARY 12 INCH WHITE LINE, PAINT	646.662	36
165					165	LF	TEMPORARY 24 INCH STOP BAR, PAINT	646.682	5
20					20	EACH	TEMPORARY LETTER OR SYMBOL, PAINT	646.692	-
4600					4600	EACH	LINE STRIPING TARGETS	646.76	54
			6770		6770	SY	GEOTEXTILE UNDER STONE FILL	649.31	70
			150		150	LB	SEED	651.15	5
			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.
			5100		5100	SY	TEMPORARY EROSION MATTING	653.20	34
65					65	EACH	DELINEATOR WITH STEEL POST	676.10	1
65					65	EACH	REMOVAL OF EXISTING DELINEATOR	676.12	1
1					1	LU	PRICE ADJUSTMENT, FUEL (N.A.B.I.)	690.50	-
970					970	EA	SPECIAL PROVISION (CABLE GUARDRAIL J-BOLT, GALVANIZED)	900.620	EST.
39					39	EA	SPECIAL PROVISION (CABLE GUARDRAIL SPLICE UNIT)	900.620	EST.
34					34	EA	SPECIAL PROVISION (DECOMMISSION CURB DROP INLET)	900.620	EST.
500					500	LF	SPECIAL PROVISION (REPLACEMENT OF GUARDRAIL CABLE)	900.640	EST.

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		ITEM 649.31 GEOTEXTILE UNDER STONE FILL
4685	SY	DITCH CLEANING
2015	SY	SLOPE EROSION REPAIR
70	SY	ROUNDING
6770	SY	TOTAL
		ITEM 651.15 SEED
99	LB	NORTHBOUND DITCH CLEANING
46	LB	SOUTHBOUND DITCH CLEANING
5	LB	ROUNDING
150	LB	TOTAL
		ITEM 653.20 TEMPORARY EROSION MATTING
4466	SY	DITCH CLEANING
400	SY	SLOPE EROSION REPAIR
200	SY	SEED PROTECTION
34	SY	ROUNDING
5100	SY	TOTAL

NOTE: ALL EXISTING CURB BOARD AND CURB DI'S WERE ELIMINATED ONTHIS PROJECT WITH THE EXCEPTION OF ONE DI AND ONE SHORT SECTION OF CURB BOARD.

ONE CURB DI REHABILITATED AT 163.162 RT AND ONE SECTION OF CURB BOARD RETAINED AT NB 163.163 - 163.221RT

PROJECT NAME: IRASBURG - DERBY
PROJECT NUMBER: IM 091-3(47)

FILE NAME: p07a148.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a148qs02.i
PLOT DATE: 04-DEC-2012 13:4
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 7 OF 28

ITEM DETAIL SUMMARY SHEET 1

LOCATION			GUARDRAIL											MISCELLANEOUS				604.412 / 604.415					REMARKS
BEGIN MILE MARKER	END MILE MARKER	POS.	621.20 S.B. G.R. GALV. LF	621.50 MTS, FLARED EA	621.60 ANCHOR FOR S.B. G.R. EA	621.65 ANCHOR FOR CABLE RAIL EA	621.76 REPLACE G.R. POST ASS. EA	621.77 REPLACE G.R. BEAM UNIT EA	621.79 ADJUST HT. OF GUARD RAIL LF	621.80 REMOV. & DISP. G.R. LF	900.620 S.P. (CABLE G.R. J-BOLT GALV.) EA	900.620 S.P. (CABLE G.R. SPLICE UNIT EA	900.640 RPLCMNT. OF G.R. CABLE LF	203.30 EARTH BORROW CY	203.40 SHLDR BERM REMOV. LF	402.13 AGG. SHLDRS., RAP TON	604.40 CHANGE ELEV. DI, CB,OR MH EA	604.418 REHAB DI, CB, OR MH, CL I,II OR III EA	613.10 STONE FILL, TYPE I CY	616.41 REMOV. OF EXIST. CURB LF	900.620 S.P. (DECOM. CURB DI EA	619.17 YIELDING MARKER POSTS EA	
NORTHBOUND																							
163.020	169.803					17							250			349	1	86				250	QUANTITIES FOR USE AS DIRECTED BY THE ENGINEER
162.982	163.034	LT	237.5	1			2	1	19	37.5				25	75								INSTALL MTS FLARED MM 162.982 TO 162.989
162.984	163.029	RT	200	1			2	1	19	37.5				25	75								INSTALL MTS FLARED MM 162.984 TO 162.991
163.163	163.221	RT					4				11	1			306				1				REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REPAIR SLOPE EROSION AT MM 163.210
163.454	163.494	RT	27	1	1		6	3	38	62.5				25	150								INSTALL MTS FLARED MM 163.454 TO 163.461; INSTALL ANCHOR AT MM 163.494
164.222	164.277	RT					4				10	1			292								REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
164.454	164.519	LT					4				13	1			343								REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
164.605	164.860	RT																	250				REPAIR SLOPE EROSION
164.839	165.034	LT					13				45	1			1030								REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
164.847	164.896	RT					3				9	1			259								REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
165.164	165.467	LT					20				72	2			2468				4	866	4		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REPAIR SLOPE EROSION AT MM 165.313-165.316,165.357 REMOVE TREATED TIMBER CURB MM 165.298 TO 165.462
165.251	165.465	RT					14				50	1			2080				9	950	3		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REPAIR SLOPE EROSION AT MM 165.344-165.346, 165.355, 165.358-165.363, 165.380; REMOVE TREATED TIMBER CURB MM 165.276 TO 165.456
165.742	165.845	LT	352	1	1		6	3	49	62.5				25	188								INSTALL MTS FLARED MM 165.742 TO 165.749; INSTALL ANCHOR AT MM 165.845
165.761	165.852	RT	252	1	1		6	3	49	62.5				25	188								INSTALL MTS FLARED MM 165.761 TO 165.768; INSTALL ANCHOR AT MM 165.852
166.103	166.148	LT	27	1	1		6	3	44	62.5				25	175								INSTALL MTS FLARED MM 166.103 TO 166.110; INSTALL ANCHOR AT MM 166.148
166.107	166.145	RT	27	1	1		4	2	34	62.5				25	138								INSTALL MTS FLARED MM 166.107 TO 166.114; INSTALL ANCHOR AT MM 166.145
166.181	166.422	RT					16				57	1			2164				32	892	3		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REPAIR SLOPE EROSION AT MM 166.247, 166.249, 166.252, 166.258, 166.262-166.265, 166.288-166.290, 166.293-166.297, 166.304-166.307, 166.314, 166.330-166.332, 166.333, 166.343, 166.349, 166.359-166.362, 166.392,166.395, 166.401, 166.405, 166.409, 166.414; REMOVE TREATED TIMBER CURB MM 166.244 TO 166.413
166.548	166.595	RT					3				9	1			246								REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
166.552	166.583	LT					2				4	1			163								REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
167.685	167.747	RT					4				12	1			325								REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
168.551	168.719	RT					11				39	1			1415				98	528	2		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REPAIR SLOPE EROSION AT MM 168.560 - 168.660 REMOVE TREATED TIMBER CURB MM 168.560 TO 168.660
168.735	168.852	LT					8				26	1			618								REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
169.102	169.148	LT					3				8	1			244								REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
169.129	169.178	RT					3				9	1			261				1				REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REPAIR SLOPE EROSION AT MM 169.154
169.406	169.459	RT					4				10	1			278								REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
169.413	169.453	LT					3				7	1			213								REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
SHEET SUBTOTALS:			1122.5	7	5	17	151	16	252	387.5	391	18	250	175	13694	349	1	86	395	3236	12	250	

ITEM DETAIL SUMMARY SHEET #1

PROJECT NAME: IRASBURG - DERBY
PROJECT NUMBER: IM 091-3(47)

FILE NAME: p07a148.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a148idss01.i

PLOT DATE: 04-DEC-2012 13:4
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 8 OF 28

ITEM DETAIL SUMMARY SHEET 2

LOCATION			MISCELLANEOUS																	REMARKS
BEGIN MILE MARKER	END MILE MARKER	POS.	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														
NORTHBOUND																				
163.020	169.803				17	17														QUANTITIES FOR USE WITH CABLE GUARDRAIL AS DIRECTED BY THE ENGINEER
162.982	163.034	LT		25	1	1														INSTALL MTS FLARED MM 162.982 TO 162.989
162.984	163.029	RT		25	1	1														INSTALL MTS FLARED MM 162.984 TO 162.991
163.163	163.221	RT	7																	REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REPAIR SLOPE EROSION AT MM 163.210
163.454	163.494	RT		25	2	2														INSTALL MTS FLARED MM 163.454 TO 163.461; INSTALL ANCHOR AT MM 163.494
164.222	164.277	RT																		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
164.454	164.519	LT																		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
164.605	164.860	RT	1214																	REPAIR SLOPE EROSION
164.839	165.034	LT																		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
164.847	164.896	RT																		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
165.164	165.467	LT	21																	REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REPAIR SLOPE EROSION AT MM 165.313-165.316,165.357 REMOVE TREATED TIMBER CURB MM 165.298 TO 165.462
165.251	165.465	RT	47																	REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REPAIR SLOPE EROSION AT MM 165.344-165.346, 165.355, 165.358-165.363, 165.380; REMOVE TREATED TIMBER CURB MM 165.276 TO 165.456
165.742	165.845	LT		25	2	2														INSTALL MTS FLARED MM 165.742 TO 165.749; INSTALL ANCHOR AT MM 165.845
165.761	165.852	RT		25	2	2														INSTALL MTS FLARED MM 165.761 TO 165.768; INSTALL ANCHOR AT MM 165.852
166.103	166.148	LT		25	2	2														INSTALL MTS FLARED MM 166.103 TO 166.110; INSTALL ANCHOR AT MM 166.148
166.107	166.145	RT		25	2	2														INSTALL MTS FLARED MM 166.107 TO 166.114; INSTALL ANCHOR AT MM 166.145
166.181	166.422	RT	182																	REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REPAIR SLOPE EROSION AT MM 166.247, 166.249, 166.252, 166.258, 166.262-166.265, 166.288-166.290, 166.293-166.297, 166.304-166.307, 166.314, 166.330-166.332, 166.333, 166.343, 166.349, 166.359-166.362, 166.392,166.395, 166.401, 166.405, 166.409, 166.414; REMOVE TREATED TIMBER CURB MM 166.244 TO 166.413
166.548	166.595	RT																		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
166.552	166.583	LT																		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
167.685	167.747	RT																		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
168.551	168.719	RT	476																	REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REPAIR SLOPE EROSION AT MM 168.560 - 168.660 REMOVE TREATED TIMBER CURB MM 168.560 TO 168.660
168.735	168.852	LT																		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
169.102	169.148	LT																		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
169.129	169.178	RT	7																	REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REPAIR SLOPE EROSION AT MM 169.154
169.406	169.459	RT																		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
169.413	169.453	LT																		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
SHEET SUBTOTALS:			1954	175	29	29														

ITEM DETAIL SUMMARY SHEET #2

PROJECT NAME: IRASBURG - DERBY
PROJECT NUMBER: IM 091-3(47)

FILE NAME: p07a148.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a148idss02.i

PLOT DATE: 04-DEC-2012 13:4
DRAWN BY: STANTEC
CHECKED BY:
SHEET 9 OF 28

ITEM DETAIL SUMMARY SHEET 3

LOCATION			GUARDRAIL											MISCELLANEOUS				604.412 / 604.415				
BEGIN MILE MARKER	END MILE MARKER	POS.	621.20 S.B. G.R. GALV. LF	621.50 MTS. FLARED EA	621.60 ANCHOR FOR S.B. G.R. EA	621.65 ANCHOR FOR CABLE RAIL EA	621.76 REPLACE G.R. POST ASS. EA	621.77 REPLACE G.R. BEAM UNIT EA	621.79 ADJUST HT. OF GUARD RAIL LF	621.80 REMOV. & DISP. G.R. LF	900.620 S.P. (CABLE G.R. J-BOLT GALV.) EA	900.620 S.P. (CABLE G.R. SPLICE UNIT EA	900.640 RPLCMNT. OF G.R. CABLE LF	203.30 EARTH BORROW CY	203.40 SHLDR BERM REMOV. LF	402.13 AGG. SHLDRS., RAP TON	604.40 CHANGE ELEV. DI, CB,OR MH EA	604.418 REHAB DI, CB, OR MH, CL I,II OR III EA	613.10 STONE FILL, TYPE I CY	616.41 REMOV. OF EXIST. CURB LF	900.620 S.P. (DECOM. CURB DI EA	619.17 YIELDING MARKER POSTS EA	REMARKS
SOUTHBOUND																							
163.020	169.803					19							250			349		52				76	QUANTITIES FOR USE AS DIRECTED BY THE ENGINEER
163.200	163.252	RT	237.5	1			2	1	19	37.5				25	75								INSTALL MTS FLARED MM 163.245 TO 163.252
163.209	163.249	LT	175	1			2	1	22	37.5				25	88								INSTALL MTS FLARED MM 163.242 TO 163.249
163.460	163.503	LT	27	1	1		6	3	41	62.5				25	163								INSTALL ANCHOR AT MM 163.460. INSTALL MTS FLARED MM 163.496 TO 163.503
163.826	163.873	LT					3				9	1			248								REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
163.837	163.884	RT					3				9	1			248								REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
164.230	164.515	LT					19				67	2			2230					723	3		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER; REMOVE TREATED TIMBER CURB MM 164.243 TO 164.297 AND 164.429 TO 164.512
164.465	164.519	RT	27	1	1		8	4	57	62.5				25	225								INSTALL ANCHOR AT MM 164.465. INSTALL MTS FLARED MM 164.512 TO 164.519
164.854	164.937	RT					6				18	1			438								REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
164.853	164.998	LT					10				33	1			766								REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
165.266	165.500	LT					15				54	1			2123				3	887	4		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REPAIR SLOPE EROSION AT MM 165.384, 165.392, AND 165.398; REMOVE EXISTING TREATED TIMBER CURB MM 165.300 TO 165.468.
165.294	165.339	RT					3				8	1			240								REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
165.792	165.887	LT	314.5	1	1		6	3	44	50				25	175								INSTALL ANCHOR AT MM 165.792. INSTALL MTS FLARED MM 165.880 TO 165.887
165.805	165.912	RT	339.5	1	1		6	3	44	50				25	175								INSTALL ANCHOR AT MM 165.805. INSTALL MTS FLARED MM 165.905 TO 165.912
166.139	166.610	LT	27	1	1		78	39	603	50				25	3285				2	872	4		INSTALL ANCHOR AT MM 166.139. INSTALL MTS FLARED MM 166.603 TO 166.610. REPAIR SLOPE EROSION AT MM 166.255-166.257; REMOVE TREATED TIMBER CURB MM 166.152 TO 166.229 AND 166.257 TO 166.345
166.147	166.193	RT	27	1	1		6	3	44	50				25	175								INSTALL ANCHOR AT MM 166.147. INSTALL MTS FLARED MM 166.186 TO 166.193
166.553	166.602	RT					3				9	1			257								REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
166.920	166.973	RT					4				10	1			280								REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
166.935	167.003	LT					5				14	1			361								REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
167.325	167.715	LT					26				93	2			3892				4	1832	8		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REPAIR SLOPE EROSION AT MM 167.473, 167.558, 167.575, 167.580; REMOVE EXISTING TREATED TIMBER CURB MM 167.350 TO 167.697.
167.666	167.729	RT					4				12	1			331								REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
168.591	169.483	LT					59				218	4			5570					861	3		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER; REMOVE TREATED TIMBER CURB MM 168.598 TO 168.761.
168.800	168.846	RT					3				9	1			245								REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
169.111	169.157	RT					3				8	1			242								REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
169.422	169.468	RT					3				8	1			243								REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
S.B. WEIGH STATION																							
STA.	STA.																						
2+46.5	13+09.0	LT	127	1	1		30	15	225	50				25	900								INSTALL MTS FLARED WEIGH STATION STA. 2+46.5 TO 2+84.0. INSTALL ANCHOR AT WEIGH STATION STA. 13+09.0
SHEET 1 SUBTOTALS:			1122.5	7	5	17	151	16	252	387.5	391	18	250	175	13694	349	1	86	395	3236	12	250	* THESE TOTALS ARE CARRIED FORWARD TO THE DETAILED SUMMARY OF QUANTITIES ON THE QUANTITY SHEETS
SHEET 3 SUBTOTALS:			1301.5	9	7	19	313	72	1099	450	579	21	250	225	22975	349	-	52	9	5175	22	76	
SUBTOTALS:			2424	16	12	36	464	88	1351	837.5	970	39	500	400	36669	698	1	138	404	8411	34	326	
ROUNDING:			1.0	-	-	-	-	-	-	12.5	-	-	-	-	331	2	-	-	-	89	-	4	
TOTALS:			2425	16	12	36	464	88	1351	850	970	39	500	400	37000	700	1	138	404 *	8500	34	330	

ITEM DETAIL SUMMARY SHEET #3

PROJECT NAME: IRASBURG - DERBY
PROJECT NUMBER: IM 091-3(47)

FILE NAME: p07a148.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a148idss03.i

PLOT DATE: 04-DEC-2012 13:4
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 10 OF 28

ITEM DETAIL SUMMARY SHEET 4

LOCATION			MISCELLANEOUS																	REMARKS
			649.31	653.20	676.10	676.12														
BEGIN MILE MARKER	END MILE MARKER	POS.	GEOTEXTILE UNDER STONE FILL	TEMP. EROSION MATTING	DEL. W/STEEL POST TYPE I	REMOVAL OF EXIST. DELINEATOR														
			SY	SY	EA	EA														
SOUTHBOUND																				
163.020	169.803				19	19														QUANTITIES FOR USE WITH CABLE GUARDRAIL AS DIRECTED BY THE ENGINEER
163.200	163.252	RT		25	1	1														INSTALL MTS FLARED MM 163.245 TO 163.252
163.209	163.249	LT		25	1	1														INSTALL MTS FLARED MM 163.242 TO 163.249
163.460	163.503	LT		25	2	2														INSTALL ANCHOR AT MM 163.460. INSTALL MTS FLARED MM 163.496 TO 163.503
163.826	163.873	LT																		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
163.837	163.884	RT																		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
164.230	164.515	LT																		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER; REMOVE TREATED TIMBER CURB MM 164.243 TO 164.297 AND 164.429 TO 164.512
164.465	164.519	RT		25	2	2														INSTALL ANCHOR AT MM 164.465. INSTALL MTS FLARED MM 164.512 TO 164.519
164.854	164.937	RT																		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
164.853	164.998	LT																		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
165.266	165.500	LT	22																	REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REPAIR SLOPE EROSION AT MM 165.384, 165.392, AND 165.398; REMOVE EXISTING TREATED TIMBER CURB MM 165.300 TO 165.468.
165.294	165.339	RT																		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
165.792	165.887	LT		25	2	2														INSTALL ANCHOR AT MM 165.792. INSTALL MTS FLARED MM 165.880 TO 165.887
165.805	165.912	RT		25	2	2														INSTALL ANCHOR AT MM 165.805. INSTALL MTS FLARED MM 165.905 TO 165.912
166.139	166.610	LT	10	25	2	2														INSTALL ANCHOR AT MM 166.139. INSTALL MTS FLARED MM 166.603 TO 166.610. REPAIR SLOPE EROSION AT MM 166.255-166.257; REMOVE TREATED TIMBER CURB MM 166.152 TO 166.229 AND 166.257 TO 166.345
166.147	166.193	RT		25	2	2														INSTALL ANCHOR AT MM 166.147. INSTALL MTS FLARED MM 166.186 TO 166.193
166.553	166.602	RT																		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
166.920	166.973	RT																		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
166.935	167.003	LT																		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
167.325	167.715	LT	29																	REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER. REPAIR SLOPE EROSION AT MM 167.473, 167.558, 167.575, 167.580; REMOVE EXISTING TREATED TIMBER CURB MM 167.350 TO 167.697.
167.666	167.729	RT																		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
168.591	169.483	LT																		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER; REMOVE TREATED TIMBER CURB MM 168.598 TO 168.761.
168.800	168.846	RT																		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
169.111	169.157	RT																		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
169.422	169.468	RT																		REPAIR CABLE GUARDRAIL AS DIRECTED BY ENGINEER
WEIGH STATION																				
STA.	STA.																			
2+46.5	13+09.0	LT		25	2	2														INSTALL MTS FLARED WEIGH STATION STA. 2+46.5 TO 2+84.0. INSTALL ANCHOR AT WEIGH STATION STA. 13+09.0
SHEET 2 SUBTOTALS:			1954	175	29	29														* THESE TOTALS ARE CARRIED FORWARD TO THE DETAILED SUMMARY OF QUANTITIES ON THE QUANTITY SHEETS
SHEET 4 SUBTOTALS:			61	225	35	35														
SUBTOTALS:			2015	400	64	64														
ROUNDING:					1	1														
TOTALS:			2015*	400 *	65	65														

ITEM DETAIL SUMMARY SHEET #4

PROJECT NAME: IRASBURG - DERBY
PROJECT NUMBER: IM 091-3(47)

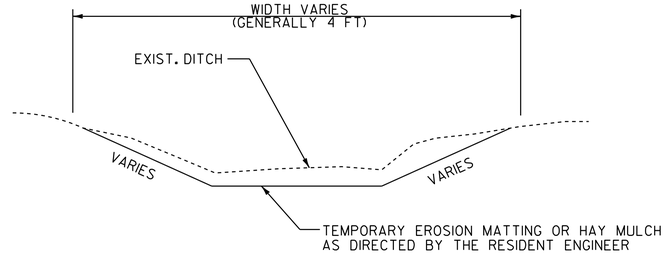
FILE NAME: p07a148.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a148idss04.i

PLOT DATE: 04-DEC-2012 13:4
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 11 OF 28

LOCATION				FEET OF DITCHING				MISCELLANEOUS ITEMS				
								613.10	649.31	651.15	653.20	
SITE	MILE MARKER	MILE MARKER	POS.	PERCENT GRADE				STONE FILL, TYPE I	GEOT. UNDER STONE FILL	SEED	TEMP. EROS. MATT.	REMARKS
				0-1	1-2.5	2.5-10	>10	CY	SY	LB	SY	
INTERSTATE 91												
NORTHBOUND DITCHING:												
1	163.020		RT		50					1	22	DITCHING AT 24" CGMP
2	163.020		RT		50					1	22	DITCHING AT D.I.
3	163.120		RT		50					1	22	DITCHING AT 12" CGMP
4	163.120		RT		50					1	22	DITCHING AT D.I.
5	163.170		CL		50					1	22	DITCHING AT 18" CGMP
6	164.010		CL		50					1	22	DITCHING AT 18" RCP
7	164.380		LT		50					1	22	DITCHING AT D.I.
8	164.605	165.110	RT	2666						20		
9	165.110	165.210	RT		528					4	235	
10	165.210	165.240	RT			158		23	105			
11	165.240		RT		50					1	22	DITCHING AT 12" CGMP
12	165.260		LT		50					1	22	DITCHING AT 12" CGMP
13	165.260		LT		50					1	22	DITCHING AT D.I.
14	165.300		RT		50					1	22	DITCHING AT 12" CGMP
15	165.310		LT		50					1	22	DITCHING AT 12" CGMP
16	165.310		LT		50					1	22	DITCHING AT D.I.
17	165.360		LT		50					1	22	DITCHING AT 12" CGMP
18	165.360		LT		50					1	22	DITCHING AT D.I.
19	165.380		RT		50					1	22	DITCHING AT D.I.
20	165.410		LT		50					1	22	DITCHING AT 12" CGMP
21	165.410		LT		50					1	22	DITCHING AT D.I.
22	165.450	165.610	LT/RT			1690		250	1127			
23	165.610	165.710	LT/RT		1056					8	469	
24	165.710	165.810	LT/RT	1056						8		
25	165.810	166.110	LT/RT		3168					23	1408	
26	166.110	166.170	LT/RT	634						5		
27	166.190		RT		50					1	22	DITCHING AT D.I.
28	166.230		RT		50					1	22	DITCHING AT D.I.
29	166.280		RT		50					1	22	DITCHING AT 12" CGMP
30	166.280		RT		50					1	22	DITCHING AT D.I.
31	166.320		LT		50					1	22	DITCHING AT D.I.
32	168.340		RT		50					1	22	DITCHING AT D.I.
33	168.370		LT		50					1	22	DITCHING AT D.I.
34	166.390	166.600	LT/RT			2218		329	1479			
35	166.640		RT		50					1	22	DITCHING AT 18" RCP
36	167.890		CL		50					1	22	DITCHING AT 18" CGMP
37	168.490		LT		50					1	22	DITCHING AT D.I.
38	168.720		RT		50					1	22	DITCHING AT 12" CGMP
39	168.720		RT		50					1	22	DITCHING AT D.I.
40	169.750	169.803	LT/RT			560		83	373			
41	168.760		RT		50					1	22	DITCHING AT D.I.
NORTHBOUND SUBTOTALS				4356	6302	4626		685*	3084*	99*	2794*	

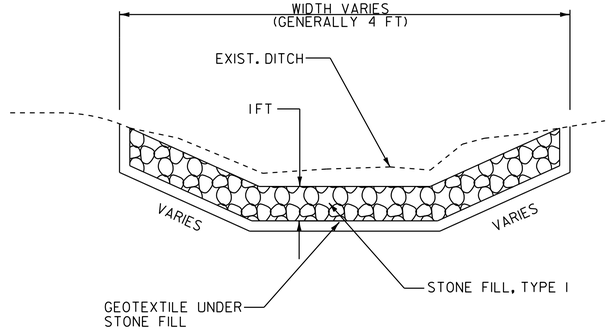
LOCATION				FEET OF DITCHING				MISCELLANEOUS ITEMS				
								613.10	649.31	651.15	653.20	
SITE	MILE MARKER	MILE MARKER	POS.	PERCENT GRADE				STONE FILL, TYPE I	GEOT. UNDER STONE FILL	SEED	TEMP. EROS. MATT.	REMARKS
				0-1	1-2.5	2.5-10	>10	CY	SY	LB	SY	
SOUTHBOUND DITCHING:												
42	163.120		LT		50					1	22	DITCHING AT D.I.
43	163.330	163.430	LT		528					4	235	
44	163.430	163.530	LT			528		78	352			
45	163.530	163.880	LT		1848					14	821	
46	163.830		LT		50					1	22	DITCHING AT 12" CGMP
47	163.850		CL		50					1	22	DITCHING AT 66" CGMP
48	164.330		LT		50					1	22	DITCHING AT 12" CGMP
49	164.330		LT		50					1	22	DITCHING AT D.I.
50	164.490		LT		50					1	22	DITCHING AT D.I.
51	165.160		RT		50					1	22	DITCHING AT D.I.
52	165.310		LT		50					1	22	DITCHING AT 12" CGMP
53	165.310		LT		50					1	22	DITCHING AT D.I.
54	165.330		LT		50					1	22	DITCHING AT 12" CGMP
55	165.380		LT		50					1	22	DITCHING AT 12" CGMP
56	165.440		LT		50					1	22	DITCHING AT 12" CGMP
57	165.490		LT		50					1	22	DITCHING AT D.I.
58	165.540		LT		50					1	22	DITCHING AT D.I.
59	165.950		RT		50					1	22	DITCHING AT D.I.
60	166.530	166.885	LT			1874		278	1249			
61	167.290		LT		50					1	22	DITCHING AT D.I.
62	167.340		LT		50					1	22	DITCHING AT 12" CGMP
63	167.550		LT		50					1	22	DITCHING AT 12" CGMP
64	167.550		LT		50					1	22	DITCHING AT D.I.
65	167.610		LT		50					1	22	DITCHING AT 12" CGMP
66	167.610		LT		50					1	22	DITCHING AT D.I.
67	167.640		CL		50					1	22	DITCHING AT 12" CGMP
68	167.650		LT		50					1	22	DITCHING AT 12" CGMP
69	167.650		LT		50					1	22	DITCHING AT D.I.
70	168.540		LT		50					1	22	DITCHING AT 12" CGMP
71	168.540		LT		50					1	22	DITCHING AT D.I.
72	168.600		LT		50					1	22	DITCHING AT 12" CGMP
73	168.670		LT		50					1	22	DITCHING AT 12" CGMP
SOUTHBOUND SUBTOTALS				3776	2402			356*	1601*	46*	1672*	

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



DITCH DETAIL < 2.5 PERCENT

NOT TO SCALE



DITCH DETAIL > 2.5 PERCENT

NOT TO SCALE

STONE DITCH DETAIL

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.

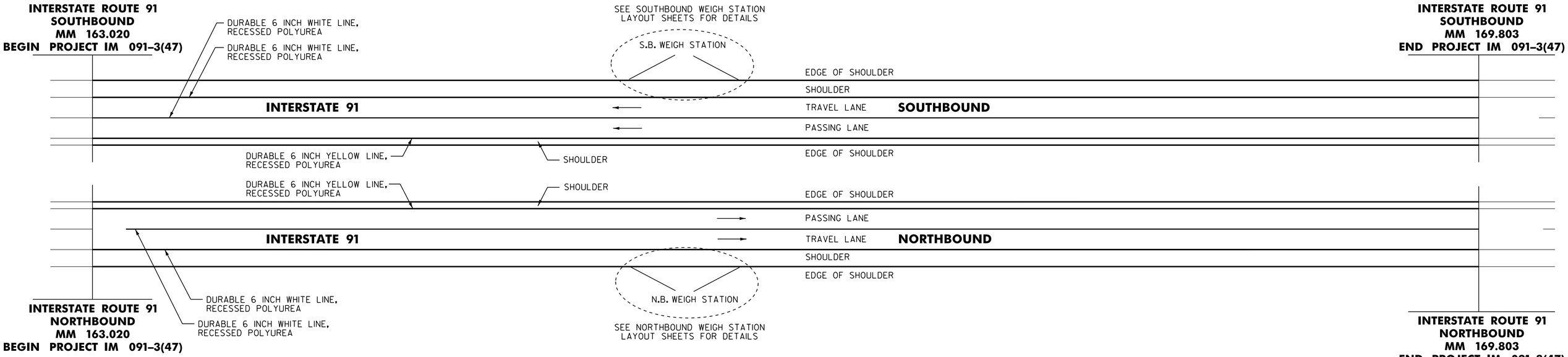
Stantec

DITCH CLEANING DETAIL SHEET

PROJECT NAME: IRASBURG - DERBY
PROJECT NUMBER: IM 091-3(47)

FILE NAME: p07a148.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a148dcs.i

PLOT DATE: 04-DEC-2012 13:4
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 12 OF 28



213.10 MILLED RUMBLE STRIPS (SEE NOTE 1)

NORTHBOUND:
MM 163.020 - MM 169.803 LT (29655 LF)
MM 163.020 - MM 169.803 RT (32722 LF)

SOUTHBOUND:
MM 163.020 - MM 169.803 LT (32698 LF)
MM 163.020 - MM 169.803 RT (31211 LF)

604.412, 604.415, OR 604.418 REHAB. DROP INLETS, CATCH BASINS OR MANHOLES (SEE NOTE 2)

NORTHBOUND:				SOUTHBOUND:
MM 163.066	LT	MM 166.224	RT	MM 163.030 LT&RT
MM 163.162	RT	MM 166.611	LT	MM 163.068 LT
MM 163.674	LT&RT	MM 166.614	RT	MM 163.589 LT
MM 163.723	LT&RT	MM 166.671	LT	MM 165.027 RT
MM 163.771	LT & RT	MM 166.689	RT	MM 165.086 RT
MM 163.818	LT&RT	MM 166.727	LT&RT	MM 165.484 LT&RT
MM 163.997	RT	MM 166.783	LT&RT	MM 165.531 LT&RT
MM 164.053	RT	MM 166.840	LT&RT	MM 165.579 LT&RT
MM 164.101	RT	MM 166.945	LT	MM 165.627 LT&RT
MM 164.158	RT	MM 167.001	LT&RT	MM 165.676 LT&RT
MM 164.956	RT	MM 167.059		MM 165.731 LT&RT
MM 165.013	RT	MM 167.117	LT&RT	MM 165.912 LT&RT
MM 165.051	RT	MM 167.165	LT&RT	MM 165.968 LT&RT
MM 165.079	RT	MM 167.212	LT&&TRT	MM 166.026 LT&RT
MM 165.126	RT	MM 167.333	LT&RT	MM 166.085 LT&RT
MM 165.164	RT	MM 167.409	RT	MM 166.123 LT
MM 165.505	LT&RT	MM 168.043	RT	MM 167.001 LT&RT
MM 165.562	LT&RT	MM 168.119	RT	MM 167.049 LT&RT
MM 165.619	LT&RT	MM 168.167	RT	MM 167.209 LT&RT
MM 165.676	LT&RT	MM 168.223	LT&RT	MM 167.266 LT&RT
MM 165.733	LT&RT	MM 168.280	LT&RT	MM 168.175 RT
MM 165.811	RT	MM 168.337	LT&RT	MM 168.231 LT&RT
MM 165.813	RT	MM 168.394	LT&RT	MM 168.298 LT&RT
MM 165.843	RT	MM 168.450	LT&RT	MM 168.365 LT&RT
MM 165.893	LT&RT	MM 168.507	LT&RT	MM 168.396 LT&RT
MM 165.950	LT & RT	MM 168.564	LT&RT	MM 168.429 LT&RT
MM 166.016	LT&RT	MM 168.621	RT	MM 168.431 LT&RT
MM 166.073	LT&RT	MM 168.714	RT	MM 168.497 LT&RT
MM 166.131	LT			MM 168.554 LT&RT

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 163.020 - MM 169.803 CL (DASHED)
MM 163.020 - MM 169.803 RT (SOLID)

SOUTHBOUND:
MM 163.020 - MM 169.803 CL (DASHED)
MM 163.020 - MM 169.803 LT (SOLID)

646.436 DURABLE 6 INCH YELLOW LINE, RECESSED POLYUREA

NORTHBOUND:
MM 163.020 - MM 169.803 LT (SOLID)

SOUTHBOUND:
MM 163.020 - MM 169.803 RT (SOLID)

646.622 TEMPORARY 6 INCH WHITE LINE, PAINT

NORTHBOUND:
MM 163.020 - MM 169.803 CL (DASHED)
MM 163.020 - MM 169.803 RT (SOLID)

SOUTHBOUND:
MM 163.020 - MM 169.803 CL (DASHED)
MM 163.020 - MM 169.803 LT (SOLID)

NOTES:

1. THE CONTRACTOR SHALL INSTALL MILLED RUMBLE STRIPS WITHIN THE PROJECT LIMITS 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.

646.632 TEMPORARY 6 INCH YELLOW LINE, PAINT

NORTHBOUND:
MM 163.020 - MM 169.803 LT (SOLID)

SOUTHBOUND:
MM 163.020 - MM 169.803 RT (SOLID)

676.10 DELINEATOR WITH STEEL POST

SEE ITEM DETAIL SUMMARY SHEETS AND REFER TO STANDARDS E-197, E-198 AND E-199 FOR PLACEMENT GUIDELINES

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:		
MM 165.277	RT	MM 164.283	LT	MM 167.401 LT
MM 165.298	LT	MM 164.454	LT	MM 167.448 LT
MM 165.334	RT	MM 164.511	LT	MM 167.496 LT
MM 165.346	LT	MM 165.296	LT	MM 167.543 LT
MM 165.394	LT	MM 165.315	LT	MM 167.601 LT
MM 165.412	RT	MM 165.371	LT	MM 167.658 LT
MM 165.444	LT	MM 165.429	LT	MM 167.696 LT
MM 166.272	RT	MM 166.200	LT	MM 168.637 LT
MM 166.320	RT	MM 166.228	LT	MM 168.694 LT
MM 166.377	RT	MM 166.257	LT	MM 168.761 LT
MM 168.560	RT	MM 166.591	LT	
MM 168.608	RT	MM 167.353	LT	

900.640 SPECIAL PROVISION (REPLACEMENT OF GUARDRAIL CABLE)

SEE ITEM DETAIL SUMMARY SHEETS

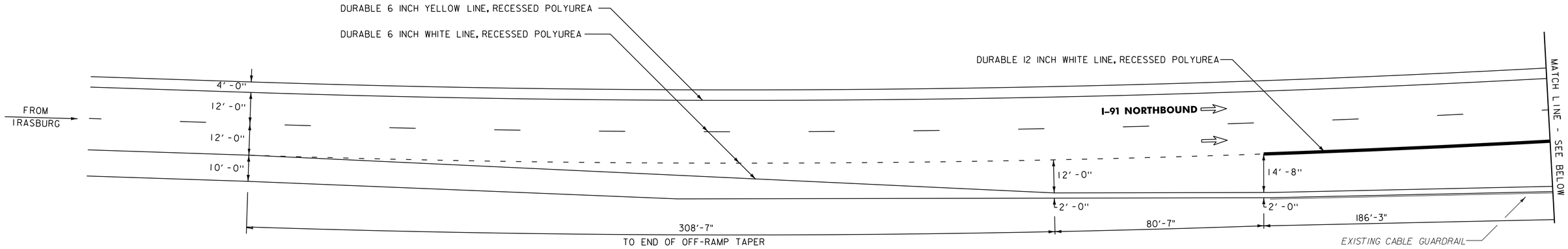
NOT TO SCALE

PROJECT LAYOUT SHEET

Stantec

PROJECT NAME: IRASBURG - DERBY
PROJECT NUMBER: IM 091-3(47)

FILE NAME: p07a148.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a148pls.i
PLOT DATE: 04-DEC-2012 13:4
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 13 OF 28



646.426 DURABLE 6 INCH WHITE LINE, RECESSED POLYUREA
WEIGH STATION STA. 0+00 TO 1+50, SOLID RT

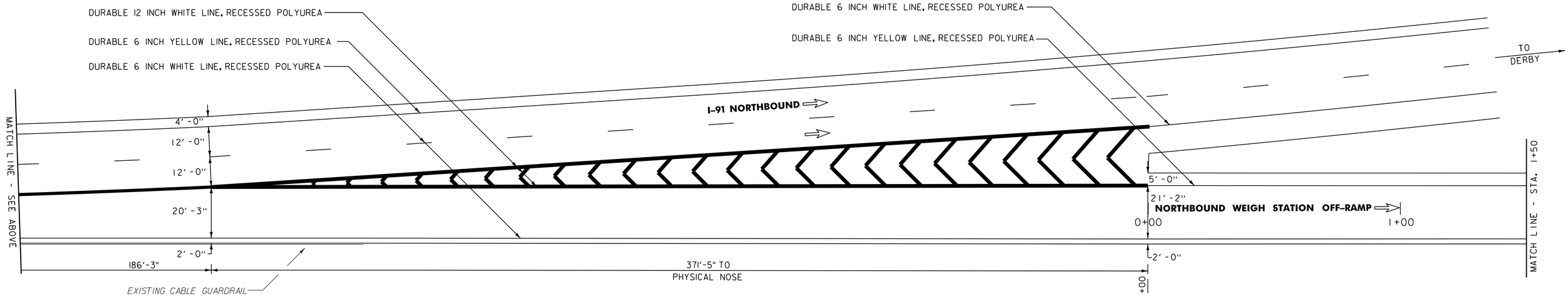
646.436 DURABLE 6 INCH YELLOW LINE, RECESSED POLYUREA
WEIGH STATION STA. 0+00 TO 1+50, SOLID LT

646.466 DURABLE 12 INCH WHITE LINE, RECESSED POLYUREA
WEIGH STATION (GORE TO BE INSTALLED PER THE LATEST EDITION OF THE MUTCD)

646.622 TEMPORARY 6 INCH WHITE LINE, PAINT
WEIGH STATION STA. 0+00 TO 1+50, SOLID RT

646.632 TEMPORARY 6 INCH YELLOW LINE, PAINT
WEIGH STATION STA. 0+00 TO 1+50, SOLID LT

646.662 TEMPORARY 12 INCH WHITE LINE, PAINT
WEIGH STATION (GORE TO BE INSTALLED PER THE LATEST EDITION OF THE MUTCD)



NOT TO SCALE

NOTES:
1. FOR STRIPING DETAILS AT GORES, SEE THE MISCELLANEOUS DETAIL SHEET AND THE LATEST EDITION OF THE MUTCD.
2. DIRECTION OF TRAVEL ARROW ⇨

Stantec

NORTHBOUND WEIGH STATION LAYOUT SHEET #1

PROJECT NAME: IRASBURG - DERBY
PROJECT NUMBER: IM 091-3(47)

FILE NAME: p07a148.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a148L01.i

PLOT DATE: 04-DEC-2012 13:4
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 14 OF 28

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
WEIGH STATION STA. 5+87 TO 7+00, SOLID LT & RT (PARKING STALLS)
REST AREA STA. 23+58 TO 25+50, SOLID LT (PARKING STALLS)

646.426 DURABLE 6 INCH WHITE LINE, RECESSED POLYUREA
WEIGH STATION STA. 1+50 TO 2+20, SOLID RT
REST AREA STA. 20+00 TO 23+43, SOLID RT
WEIGH STATION STA. 4+33 TO 7+00, SOLID RT

646.436 DURABLE 6 INCH YELLOW LINE, RECESSED POLYUREA
WEIGH STATION STA. 1+50 TO 7+00, SOLID LT
REST AREA STA. 22+14 TO 23+58, SOLID LT

646.466 DURABLE 12 INCH WHITE LINE, RECESSED POLYUREA
WEIGH STATION STA. 3+24 TO 4+33, RT
(GORE TO BE INSTALLED PER THE
LATEST EDITION OF THE MUTCD)

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC
WEIGH STATION STA. 5+78, ℄

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
WEIGH STATION STA. 2+44, ℄ - ARROW
WEIGH STATION STA. 5+69, ℄ - "STOP"
WEIGH STATION STA. 5+93, RT - "A"
WEIGH STATION STA. 6+68, RT - "B"
REST AREA STA. 24+64, LT - HANDICAP SYMBOL
REST AREA STA. 24+90, LT - HANDICAP SYMBOL
REFER TO THE LATEST EDITION OF THE FHWA SHS

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
WEIGH STATION STA. 5+87 TO 7+00, SOLID LT & RT (PARKING STALLS)
REST AREA STA. 23+58 TO 25+50, SOLID LT (PARKING STALLS)

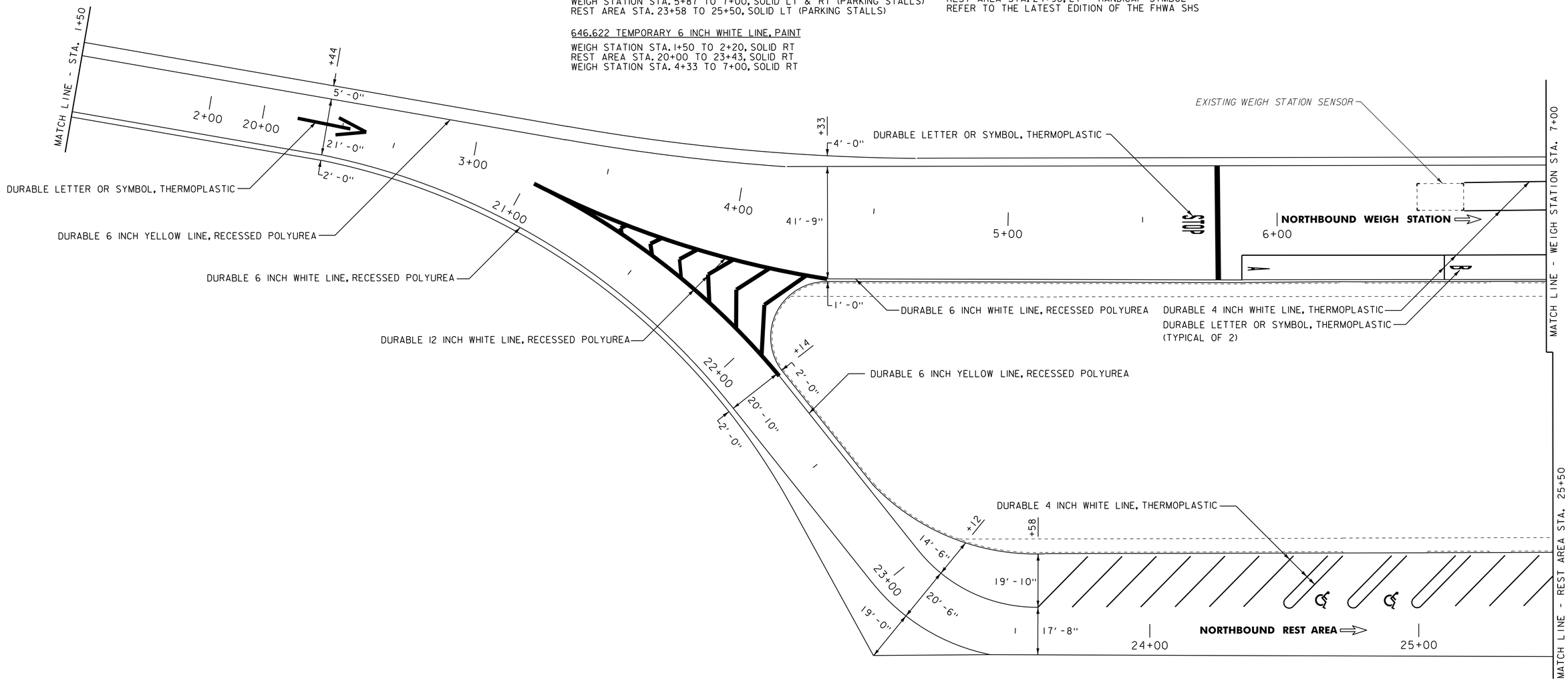
646.622 TEMPORARY 6 INCH WHITE LINE, PAINT
WEIGH STATION STA. 1+50 TO 2+20, SOLID RT
REST AREA STA. 20+00 TO 23+43, SOLID RT
WEIGH STATION STA. 4+33 TO 7+00, SOLID RT

646.632 TEMPORARY 6 INCH YELLOW LINE, PAINT
WEIGH STATION STA. 1+50 TO 7+00, SOLID LT
REST AREA STA. 22+14 TO 23+58, SOLID LT

646.662 TEMPORARY 12 INCH WHITE LINE, PAINT
WEIGH STATION STA. 3+24 TO 4+33, RT
(GORE TO BE INSTALLED PER THE
LATEST EDITION OF THE MUTCD)

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
WEIGH STATION STA. 5+78, ℄

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
WEIGH STATION STA. 2+44, ℄ - ARROW
WEIGH STATION STA. 5+69, ℄ - "STOP"
WEIGH STATION STA. 5+93, RT - "A"
WEIGH STATION STA. 6+68, RT - "B"
REST AREA STA. 24+64, LT - HANDICAP SYMBOL
REST AREA STA. 24+90, LT - HANDICAP SYMBOL
REFER TO THE LATEST EDITION OF THE FHWA SHS



NOTES:
1. FOR STRIPING DETAILS AT GORES, SEE THE MISCELLANEOUS DETAIL SHEET AND THE LATEST EDITION OF THE MUTCD.
2. DIRECTION OF TRAVEL ARROW ⟹

NOT TO SCALE

Stantec

NORTHBOUND WEIGH STATION LAYOUT SHEET #2

PROJECT NAME: IRASBURG - DERBY
PROJECT NUMBER: IM 091-3(47)

FILE NAME: p07a148.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a148L02.i

PLOT DATE: 04-DEC-2012 13:4
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 15 OF 28

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
WEIGH STATION STA. 7+00 TO 8+13, SOLID LT & RT (PARKING STALLS)
REST AREA STA. 25+50 TO 26+28, SOLID LT (PARKING STALLS)

646.426 DURABLE 6 INCH WHITE LINE, RECESSED POLYUREA
WEIGH STATION STA. 7+00 TO 8+83, SOLID RT
REST AREA STA. 26+28 TO 29+86, SOLID RT
WEIGH STATION STA. 10+77 TO 12+50, SOLID RT

646.436 DURABLE 6 INCH YELLOW LINE, RECESSED POLYUREA
WEIGH STATION STA. 7+00 TO 12+50, SOLID LT
REST AREA STA. 26+28 TO 27+92, SOLID LT

646.466 DURABLE 12 INCH WHITE LINE, RECESSED POLYUREA
WEIGH STATION STA. 8+83 TO 9+65, RT
(GORE TO BE INSTALLED PER THE
LATEST EDITION OF THE MUTCD)

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
WEIGH STATION STA. 7+44, RT - "C"
REST AREA STA. 28+63, ℄ - YIELD BAR
REFER TO THE LATEST EDITION OF THE FHWA SHS

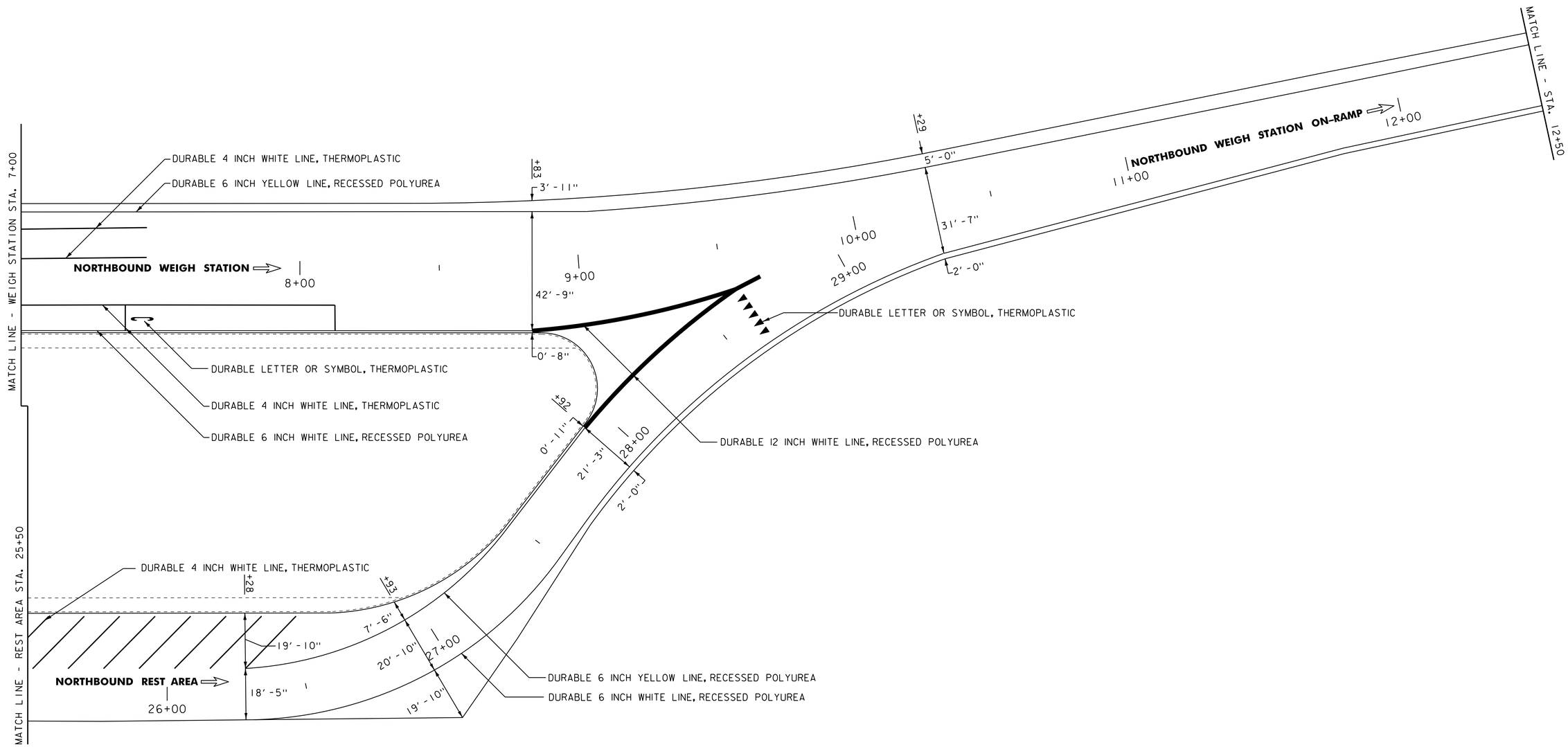
646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
WEIGH STATION STA. 7+00 TO 8+13, SOLID LT & RT (PARKING STALLS)
REST AREA STA. 25+50 TO 26+28, SOLID LT (PARKING STALLS)

646.622 TEMPORARY 6 INCH WHITE LINE, PAINT
WEIGH STATION STA. 7+00 TO 8+83, SOLID RT
REST AREA STA. 26+28 TO 29+86, SOLID RT
WEIGH STATION STA. 10+77 TO 12+50, SOLID RT

646.632 TEMPORARY 6 INCH YELLOW LINE, PAINT
WEIGH STATION STA. 7+00 TO 12+50, SOLID LT
REST AREA STA. 26+28 TO 27+92, SOLID LT

646.662 TEMPORARY 12 INCH WHITE LINE, PAINT
WEIGH STATION STA. 8+83 TO 9+65, RT
(GORE TO BE INSTALLED PER THE
LATEST EDITION OF THE MUTCD)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
WEIGH STATION STA. 7+44, RT - "C"
REST AREA STA. 28+63, ℄ - YIELD BAR
REFER TO THE LATEST EDITION OF THE FHWA SHS



NOT TO SCALE

NOTES: 1. FOR STRIPING DETAILS AT GORES, SEE THE MISCELLANEOUS DETAIL SHEET AND THE LATEST EDITION OF THE MUTCD.

2. DIRECTION OF TRAVEL ARROW ⇒

Stantec

NORTHBOUND WEIGH STATION LAYOUT SHEET #3

PROJECT NAME: IRASBURG - DERBY
PROJECT NUMBER: IM 091-3(47)

FILE NAME: p07a148.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a148L03.i

PLOT DATE: 04-DEC-2012 13:4
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 16 OF 28

646.426 DURABLE 6 INCH WHITE LINE, RECESSED POLYUREA
STA. 12+50 TO 13+15, SOLID RT

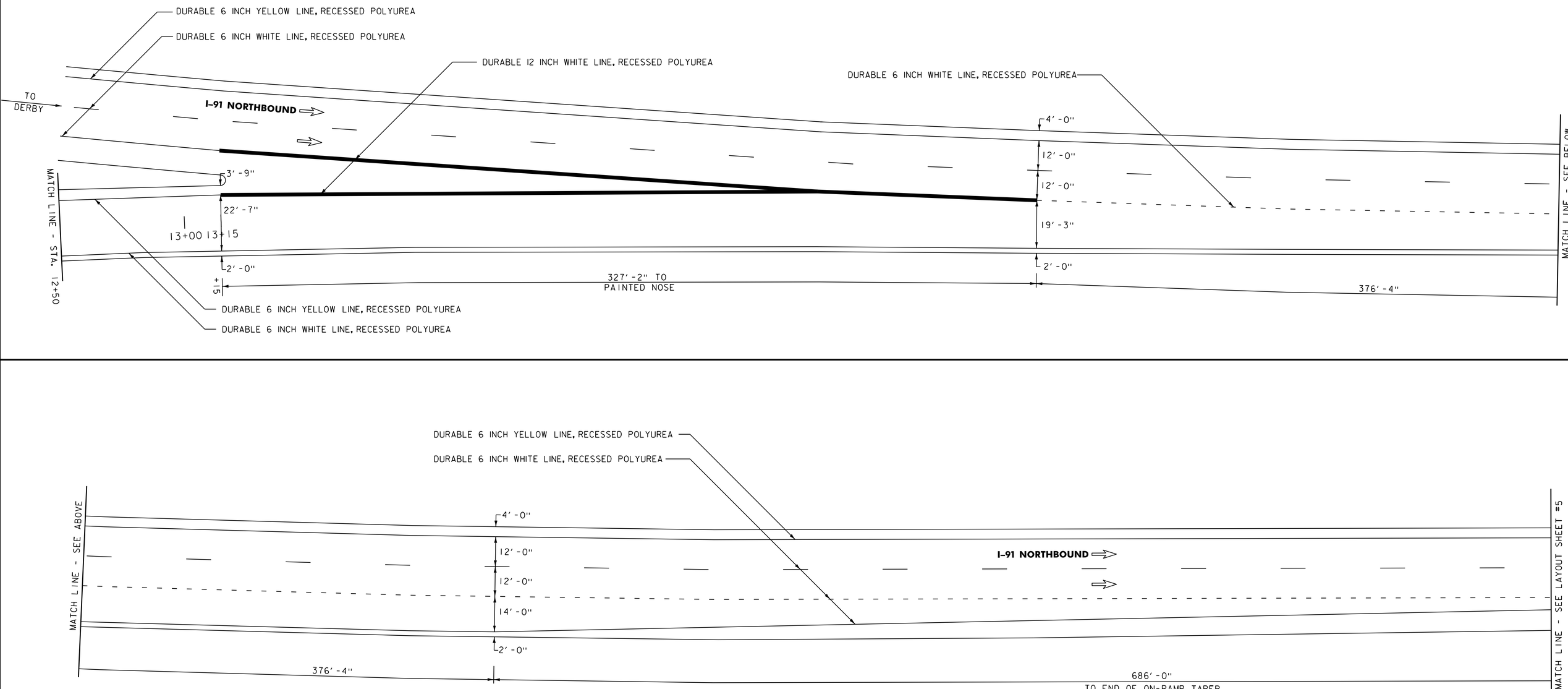
646.436 DURABLE 6 INCH YELLOW LINE, RECESSED POLYUREA
STA. 12+50 TO 13+15, SOLID LT

646.466 DURABLE 12 INCH WHITE LINE, RECESSED POLYUREA
WEIGH STATION (GORE TO BE INSTALLED PER
THE LATEST EDITION OF THE MUTCD)

646.622 TEMPORARY 6 INCH WHITE LINE, PAINT
STA. 12+50 TO 13+15, SOLID RT

646.632 TEMPORARY 6 INCH YELLOW LINE, PAINT
STA. 12+50 TO 13+15, SOLID LT

646.662 TEMPORARY 12 INCH WHITE LINE, PAINT
WEIGH STATION (GORE TO BE INSTALLED PER
THE LATEST EDITION OF THE MUTCD)



NOT TO SCALE

NOTES: 1. FOR STRIPING DETAILS AT GORES, SEE THE MISCELLANEOUS DETAIL SHEET AND THE LATEST EDITION OF THE MUTCD.

2. DIRECTION OF TRAVEL ARROW ⇨

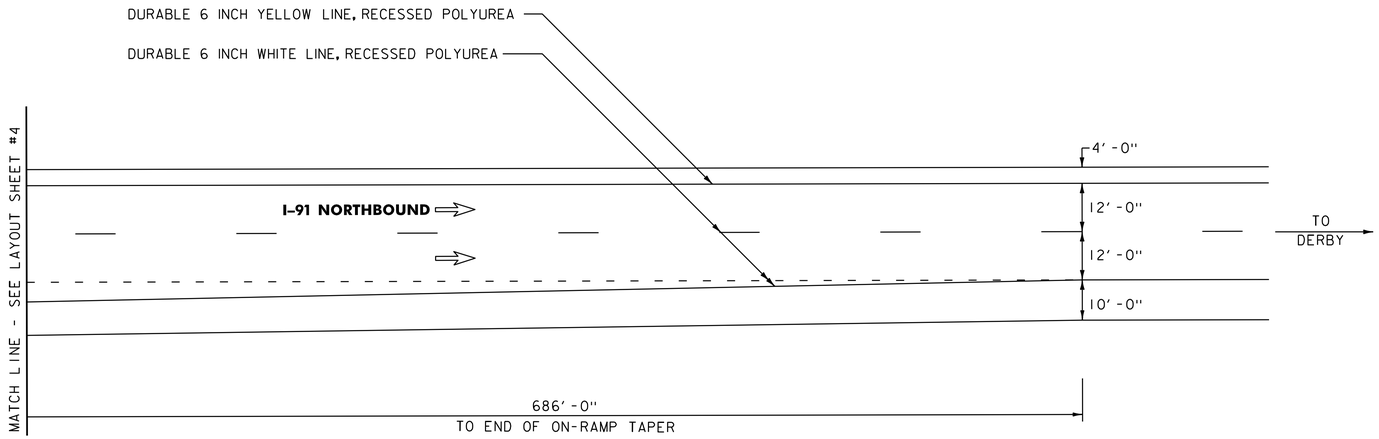
Stantec

NORTHBOUND WEIGH STATION LAYOUT SHEET #4

PROJECT NAME: IRASBURG - DERBY
PROJECT NUMBER: IM 091-3(47)

FILE NAME: p07a148.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a148L04.i

PLOT DATE: 04-DEC-2012 13:4
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 17 OF 28



NOT TO SCALE

NOTES:
1. FOR STRIPING DETAILS AT GORES, SEE THE MISCELLANEOUS DETAIL SHEET AND THE LATEST EDITION OF THE MUTCD.
2. DIRECTION OF TRAVEL ARROW ⇒

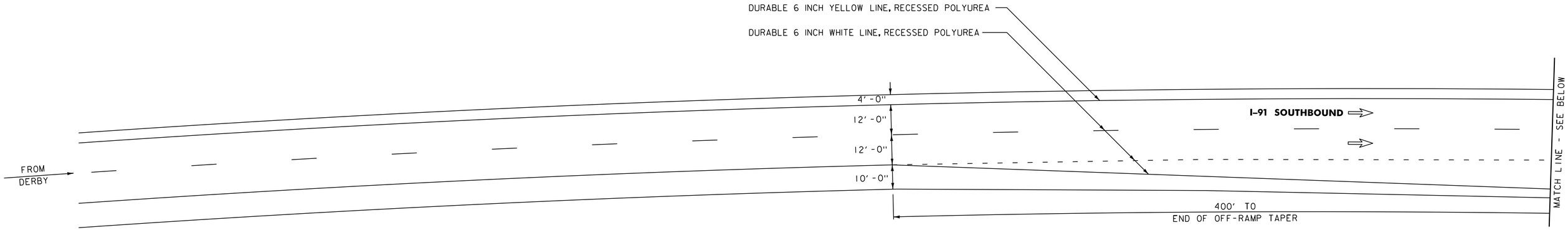
Stantec

NORTHBOUND WEIGH STATION LAYOUT SHEET #5

PROJECT NAME: IRASBURG - DERBY
PROJECT NUMBER: IM 091-3(47)

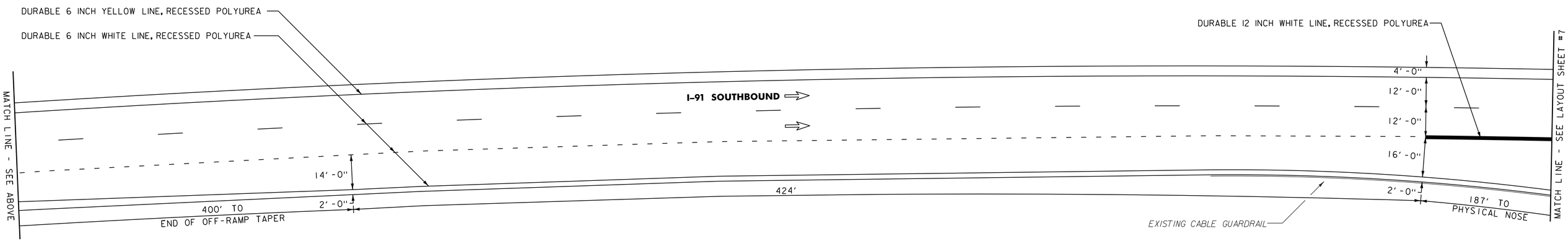
FILE NAME: p07a148.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a148L05.i

PLOT DATE: 04-DEC-2012 13:4
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 18 OF 28



646.466 DURABLE 12 INCH WHITE LINE, RECESSED POLYUREA
WEIGH STATION (GORE TO BE INSTALLED PER THE LATEST EDITION OF THE MUTCD)

646.662 TEMPORARY 12 INCH WHITE LINE, PAINT
WEIGH STATION (GORE TO BE INSTALLED PER THE LATEST EDITION OF THE MUTCD)



NOT TO SCALE

NOTES:
1. FOR STRIPING DETAILS AT GORES, SEE THE MISCELLANEOUS DETAIL SHEET AND THE LATEST EDITION OF THE MUTCD.
2. DIRECTION OF TRAVEL ARROW ⇨

Stantec

SOUTHBOUND WEIGH STATION LAYOUT SHEET #1

PROJECT NAME: IRASBURG - DERBY
PROJECT NUMBER: IM 091-3(47)

FILE NAME: p07a148.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a148L06.i

PLOT DATE: 04-DEC-2012 13:4
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 19 OF 28

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
WEIGH STATION STA. 2+84.0 TO 3+84.0, LT

621.50 MANUFACTURED TERMINAL SECTION, FLARED
WEIGH STATION STA. 2+46.5 TO 2+84.0, LT

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
WEIGH STATION STA. 2+89 TO 4+50, SOLID LT & RT (PARKING STALLS)
REST AREA STA. 23+76 TO 24+50, SOLID RT (PARKING STALLS)

646.426 DURABLE 6 INCH WHITE LINE, RECESSED POLYUREA
WEIGH STATION STA. 0+00 TO 0+62, SOLID RT
REST AREA STA. 20+00 TO 23+76, SOLID RT
WEIGH STATION STA. 2+53 TO 4+50, SOLID RT

646.436 DURABLE 6 INCH YELLOW LINE, RECESSED POLYUREA
WEIGH STATION STA. 0+00 TO 4+50, SOLID LT
REST AREA STA. 21+93 TO 24+50, SOLID LT

646.466 DURABLE 12 INCH WHITE LINE, RECESSED POLYUREA
WEIGH STATION STA. 1+64 TO 2+53, RT
(GORES TO BE INSTALLED PER THE
LATEST EDITION OF THE MUTCD)

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC
WEIGH STATION STA. 2+66, ℄

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
WEIGH STATION STA. 0+64, ℄ - ARROW
WEIGH STATION STA. 2+57, ℄ - "STOP"
WEIGH STATION STA. 2+95, RT - "A"
WEIGH STATION STA. 3+71, RT - "B"
WEIGH STATION STA. 4+45, RT - "C"
REST AREA STA. 24+24, RT - HANDICAP SYMBOL
REST AREA STA. 24+48, RT - HANDICAP SYMBOL
REFER TO THE LATEST EDITION OF THE FHWA SHS

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
WEIGH STATION STA. 2+89 TO 4+50, SOLID LT & RT (PARKING STALLS)
REST AREA STA. 23+76 TO 24+50, SOLID RT (PARKING STALLS)

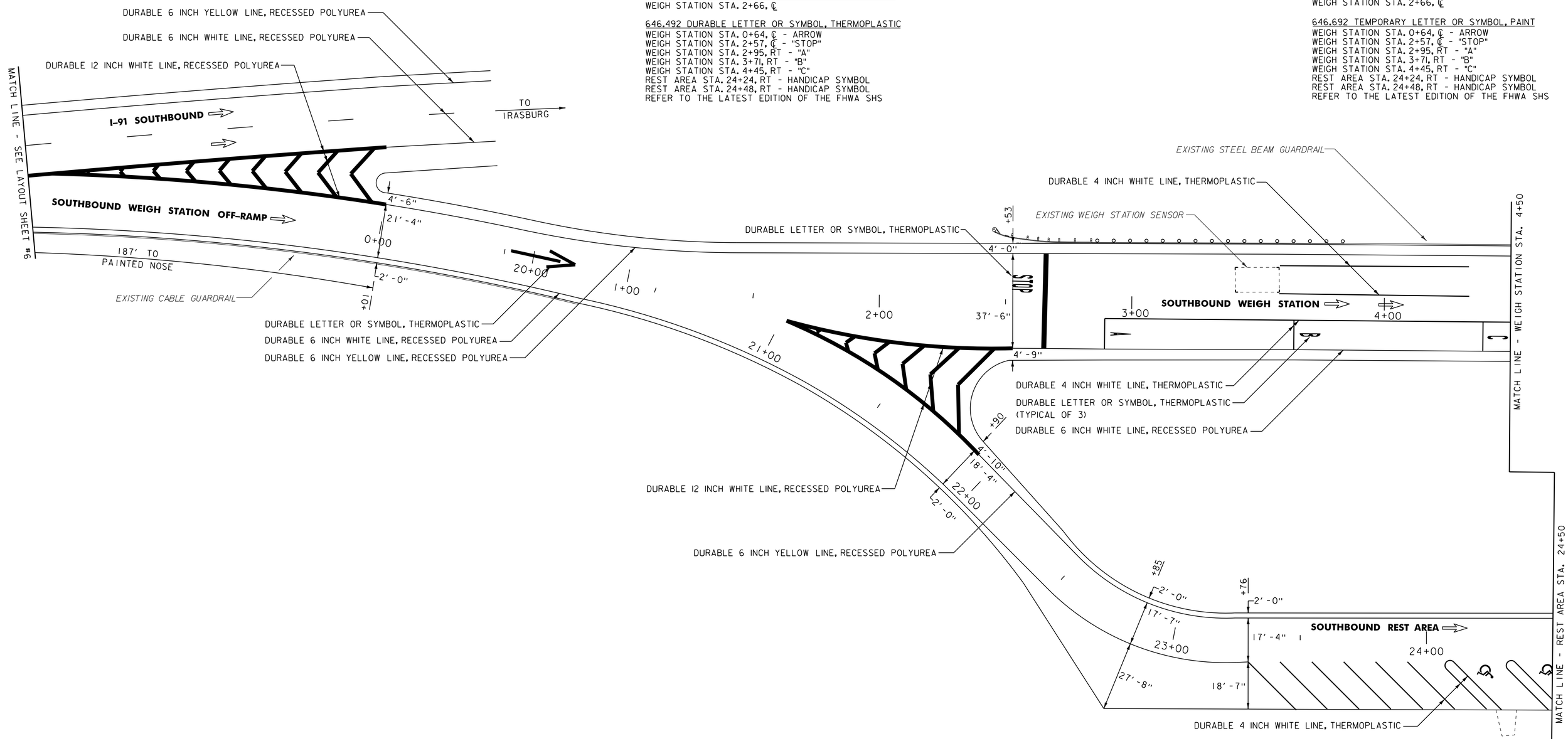
646.622 TEMPORARY 6 INCH WHITE LINE, PAINT
WEIGH STATION STA. 0+00 TO 0+62, SOLID RT
REST AREA STA. 20+00 TO 23+76, SOLID RT
WEIGH STATION STA. 2+53 TO 4+50, SOLID RT

646.632 TEMPORARY 6 INCH YELLOW LINE, PAINT
WEIGH STATION STA. 0+00 TO 4+50, SOLID LT
REST AREA STA. 21+93 TO 24+50, SOLID LT

646.662 TEMPORARY 12 INCH WHITE LINE, PAINT
WEIGH STATION STA. 1+64 TO 2+53, RT
(GORES TO BE INSTALLED PER THE
LATEST EDITION OF THE MUTCD)

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
WEIGH STATION STA. 2+66, ℄

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
WEIGH STATION STA. 0+64, ℄ - ARROW
WEIGH STATION STA. 2+57, ℄ - "STOP"
WEIGH STATION STA. 2+95, RT - "A"
WEIGH STATION STA. 3+71, RT - "B"
WEIGH STATION STA. 4+45, RT - "C"
REST AREA STA. 24+24, RT - HANDICAP SYMBOL
REST AREA STA. 24+48, RT - HANDICAP SYMBOL
REFER TO THE LATEST EDITION OF THE FHWA SHS



NOT TO SCALE

NOTES:
1. FOR STRIPING DETAILS AT GORES, SEE THE MISCELLANEOUS DETAIL SHEET AND THE LATEST EDITION OF THE MUTCD.
2. DIRECTION OF TRAVEL ARROW ⇒

Stantec

SOUTHBOUND WEIGH STATION LAYOUT SHEET #2

PROJECT NAME: IRASBURG - DERBY
PROJECT NUMBER: IM 091-3(47)

FILE NAME: p07a148.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a148L07.i
PLOT DATE: 04-DEC-2012 13:4
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 20 OF 28

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
WEIGH STATION STA. 4+50 TO 5+90, SOLID LT & RT (PARKING STALLS)
REST AREA STA. 24+50 TO 25+85, SOLID RT (PARKING STALLS)

646.426 DURABLE 6 INCH WHITE LINE, RECESSED POLYUREA
WEIGH STATION STA. 4+50 TO 6+91, SOLID RT
REST AREA STA. 25+85 TO 29+33, SOLID RT
WEIGH STATION STA. 8+90 TO 10+50, SOLID RT

646.436 DURABLE 6 INCH YELLOW LINE, RECESSED POLYUREA
WEIGH STATION STA. 4+50 TO 10+50, SOLID LT
REST AREA STA. 24+50 TO 27+10, SOLID LT

646.466 DURABLE 12 INCH WHITE LINE, RECESSED POLYUREA
WEIGH STATION STA. 6+90 TO 7+86, RT
(GORE TO BE INSTALLED PER THE
LATEST EDITION OF THE MUTCD)

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
WEIGH STATION STA. 5+22, RT - "D"
REST AREA STA. 27+81, ℄ - YIELD BAR
REFER TO THE LATEST EDITION OF THE FHWA SHS

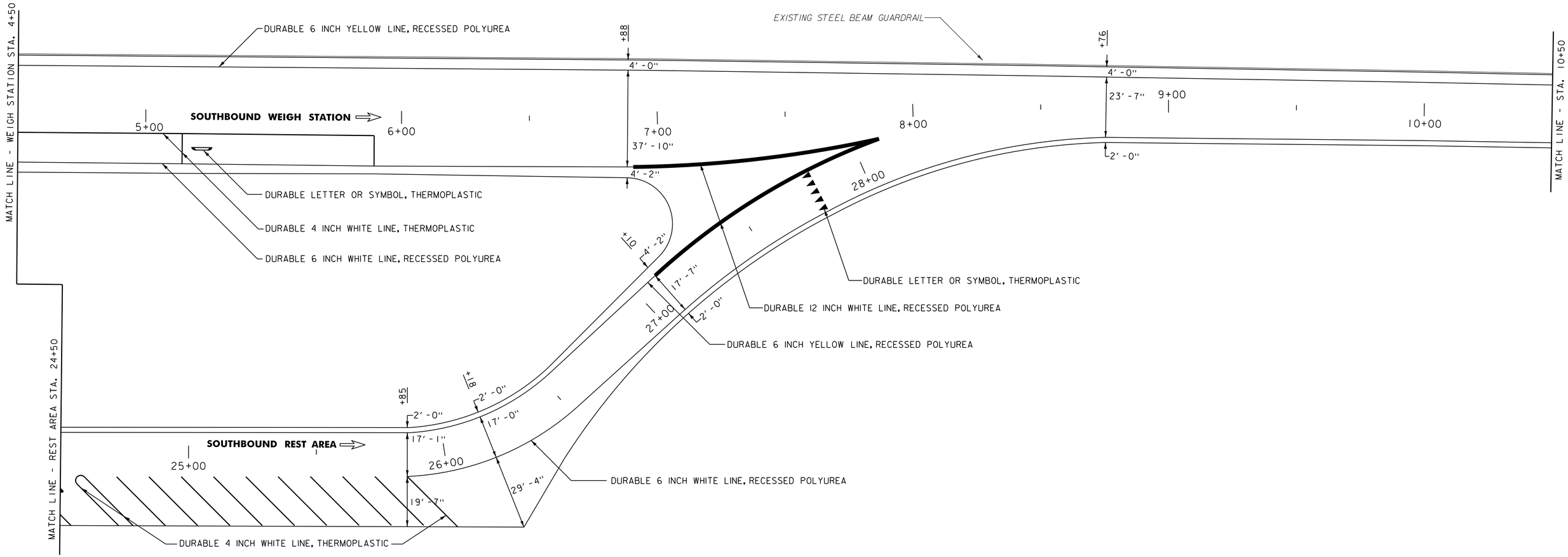
646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
WEIGH STATION STA. 4+50 TO 5+90, SOLID LT & RT (PARKING STALLS)
REST AREA STA. 24+50 TO 25+85, SOLID RT (PARKING STALLS)

646.622 TEMPORARY 6 INCH WHITE LINE, PAINT
WEIGH STATION STA. 4+50 TO 6+91, SOLID RT
REST AREA STA. 25+85 TO 29+33, SOLID RT
WEIGH STATION STA. 8+90 TO 10+50, SOLID RT

646.632 TEMPORARY 6 INCH YELLOW LINE, PAINT
WEIGH STATION STA. 4+50 TO 14+99, SOLID LT
REST AREA STA. 24+50 TO 27+10, SOLID LT

646.662 TEMPORARY 12 INCH WHITE LINE, PAINT
WEIGH STATION STA. 6+90 TO 7+86, RT
(GORE TO BE INSTALLED PER THE
LATEST EDITION OF THE MUTCD)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
WEIGH STATION STA. 5+22, RT - "D"
REST AREA STA. 27+81, ℄ - YIELD BAR
REFER TO THE LATEST EDITION OF THE FHWA SHS



NOT TO SCALE

NOTES: 1. FOR STRIPING DETAILS AT GORES, SEE THE MISCELLANEOUS DETAIL SHEET AND THE LATEST EDITION OF THE MUTCD.

2. DIRECTION OF TRAVEL ARROW ⇒

Stantec

SOUTHBOUND WEIGH STATION LAYOUT SHEET #3

PROJECT NAME: IRASBURG - DERBY
PROJECT NUMBER: IM 091-3(47)

FILE NAME: p07a148.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a148L08.i

PLOT DATE: 04-DEC-2012 13:4
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 21 OF 28

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
WEIGH STATION STA. 12+84.0 TO 13+09.0, LT

621.60 ANCHOR FOR STEEL BEAM RAIL
WEIGH STATION STA. 13+09.0, LT

646.426 DURABLE 6 INCH WHITE LINE, RECESSED POLYUREA
STA. 10+50 TO 14+99, SOLID RT

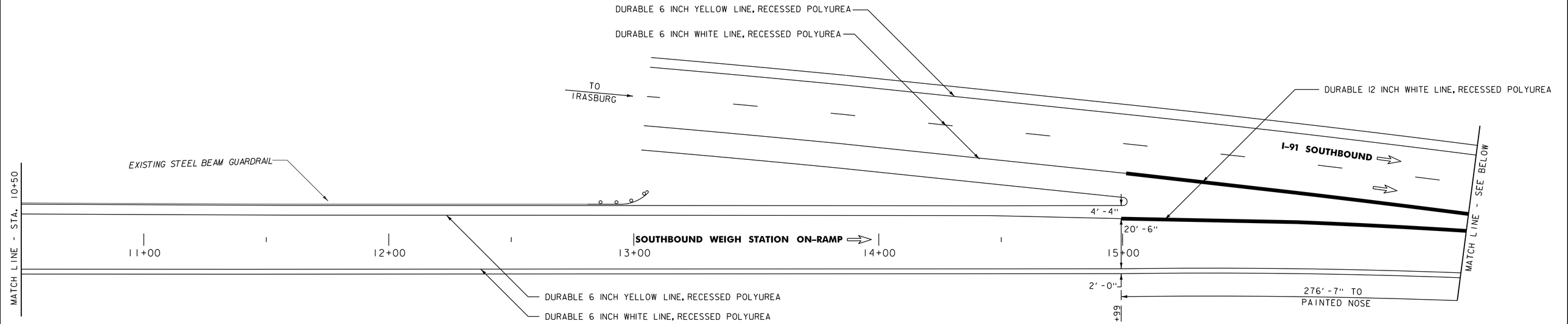
646.436 DURABLE 6 INCH YELLOW LINE, RECESSED POLYUREA
STA. 10+50 TO 14+99, SOLID LT

646.466 DURABLE 12 INCH WHITE LINE, RECESSED POLYUREA
WEIGH STATION (GORE TO BE INSTALLED PER
THE LATEST EDITION OF THE MUTCD)

646.622 TEMPORARY 6 INCH WHITE LINE, PAINT
STA. 10+50 TO 14+99, SOLID RT

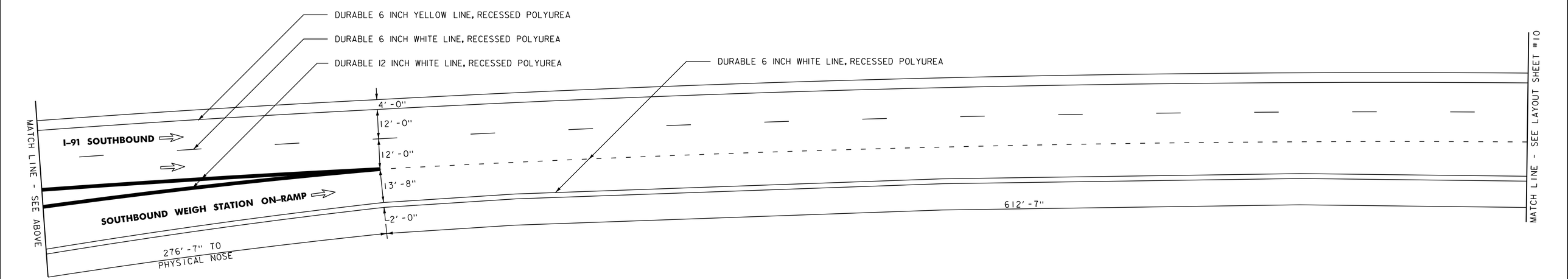
646.632 TEMPORARY 6 INCH YELLOW LINE, PAINT
STA. 10+50 TO 14+99, SOLID LT

646.662 TEMPORARY 12 INCH WHITE LINE, PAINT
WEIGH STATION (GORE TO BE INSTALLED PER
THE LATEST EDITION OF THE MUTCD)



646.466 DURABLE 12 INCH WHITE LINE, RECESSED POLYUREA
WEIGH STATION (GORE TO BE INSTALLED PER
THE LATEST EDITION OF THE MUTCD)

646.662 TEMPORARY 12 INCH WHITE LINE, PAINT
WEIGH STATION (GORE TO BE INSTALLED PER
THE LATEST EDITION OF THE MUTCD)



NOT TO SCALE

NOTES: 1. FOR STRIPING DETAILS AT GORES SEE THE MISCELLANEOUS DETAIL SHEET AND THE LATEST EDITION OF THE MUTCD.

2. DIRECTION OF TRAVEL ARROW ⇨

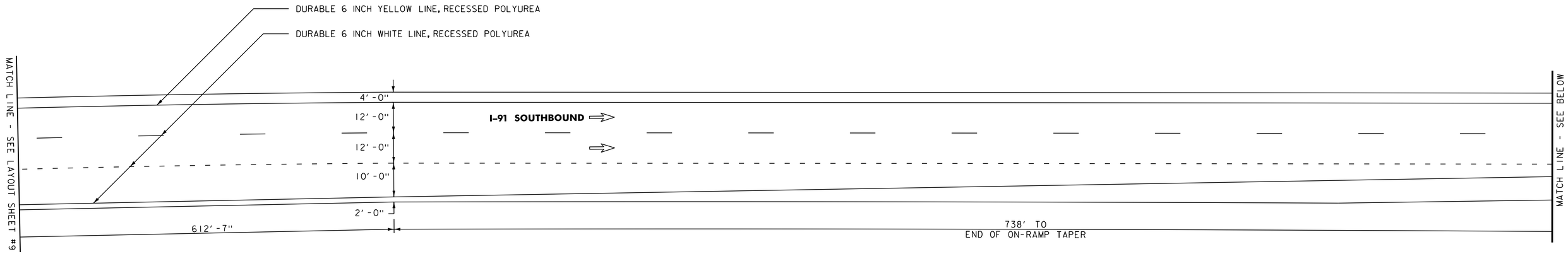
Stantec

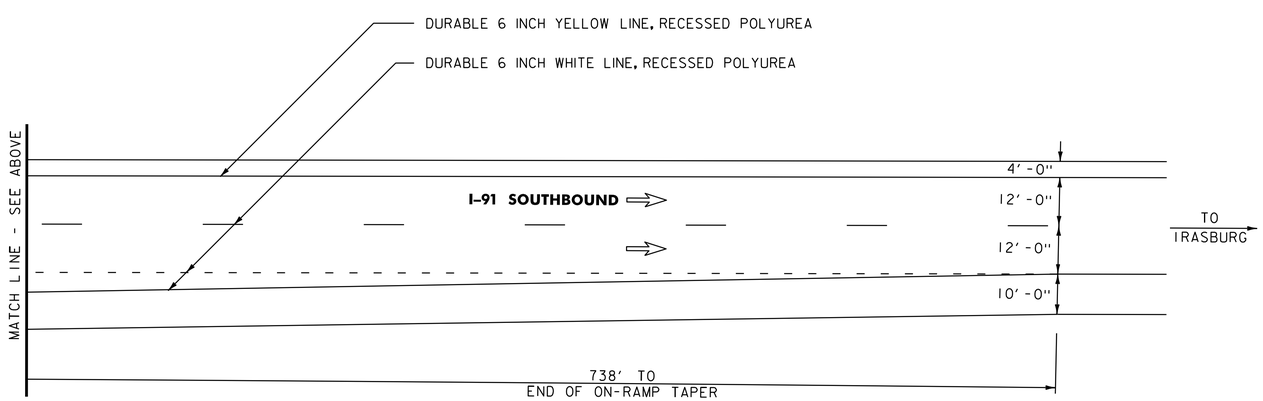
SOUTHBOUND WEIGH STATION LAYOUT SHEET #4

PROJECT NAME: IRASBURG - DERBY
PROJECT NUMBER: IM 091-3(47)

FILE NAME: p07a148.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a148L09.i

PLOT DATE: 04-DEC-2012 13:4
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 22 OF 28





NOT TO SCALE

NOTES:
1. FOR STRIPING DETAILS AT GORES, SEE THE MISCELLANEOUS DETAIL SHEET AND THE LATEST EDITION OF THE MUTCD.
2. DIRECTION OF TRAVEL ARROW ⇨

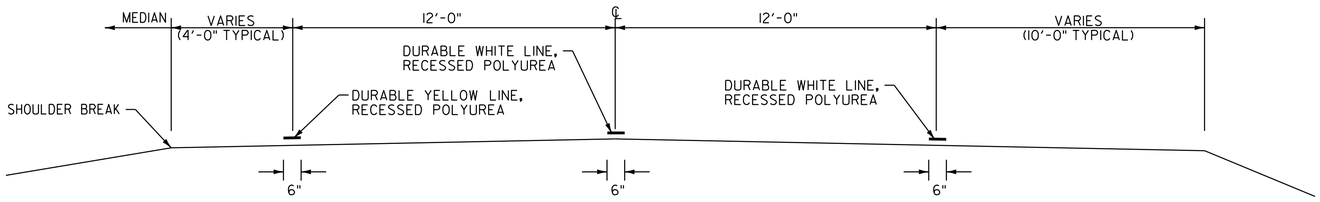
Stantec

SOUTHBOUND WEIGH STATION LAYOUT SHEET #5

PROJECT NAME: IRASBURG - DERBY
PROJECT NUMBER: IM 091-3(47)

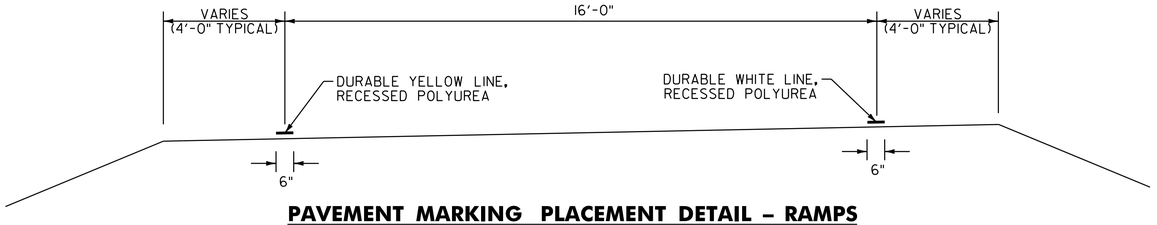
FILE NAME: p07a148.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a148L10.i

PLOT DATE: 04-DEC-2012 13:4
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 23 OF 28



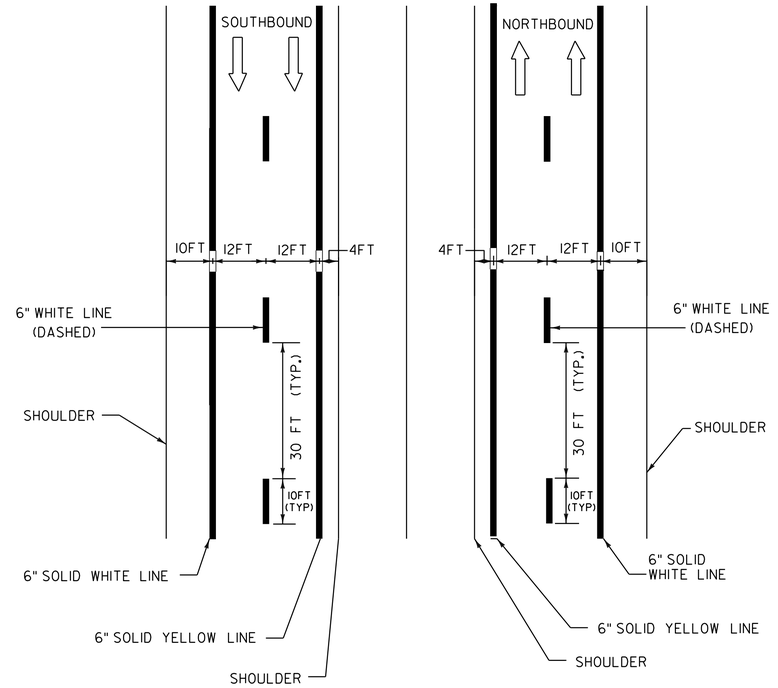
PAVEMENT MARKING PLACEMENT DETAIL – MAINLINE

DETAIL SHOWN FOR NORTHBOUND TYPICAL FACING NORTH (WITH STATIONING)



PAVEMENT MARKING PLACEMENT DETAIL – RAMPS

DETAIL SHOWN FACING DIRECTION OF TRAVEL



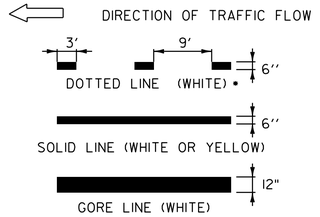
PAVEMENT MARKING LINE DETAILS

PAVEMENT MARKING LAYOUT TABLE

(FOR LENGTHS AT THE WEIGH STATIONS SEE THE LAYOUT SHEETS)

LOCATION	(SOLID) DURABLE 6 INCH WHITE LINE, RECESSED POLYUREA	(SOLID) DURABLE 4 INCH WHITE LINE, THERMOPLASTIC	(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
NB MM 163.020 TO 169.803	RIGHT		CENTERLINE		LEFT	
SB MM 163.020 TO 169.803	LEFT		CENTERLINE		RIGHT	
NORTHBOUND WEIGH STATION						
NB DECELERATION LANE				LEFT		DBL LEFT INCLUDING CHEVRONS
REST AREA MAINLINE	RIGHT				LEFT	DBL RIGHT INCLUDING CHEVRONS
REST AREA PARKING STALLS		LEFT				DBL LEFT (MERGE)
WEIGH STATION MAINLINE	RIGHT				LEFT	
WEIGH STATION PARKING STALLS		LEFT & RIGHT				
NB ACCELERATION LANE				LEFT		DBL LEFT
SOUTHBOUND WEIGH STATION						
SB DECELERATION LANE				RIGHT		DBL RIGHT INCLUDING CHEVRONS
REST AREA MAINLINE	LEFT				RIGHT	DBL RIGHT INCLUDING CHEVRONS
REST AREA PARKING STALLS		LEFT				DBL LEFT (MERGE)
WEIGH STATION MAINLINE	LEFT				RIGHT	
WEIGH STATION PARKING STALLS		LEFT & RIGHT				
SB ACCELERATION LANE				RIGHT		DBL LEFT

LEGEND



• TO BE INSTALLED ONLY AT THE DIRECTION OF THE RESIDENT ENGINEER

NOT TO SCALE

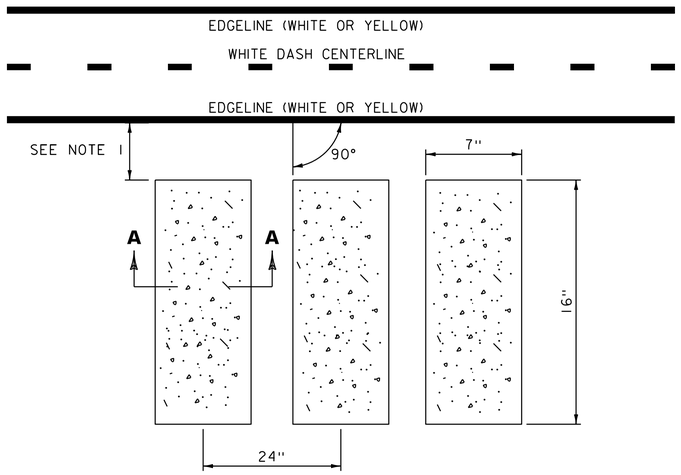
Stantec

PAVEMENT MARKING LAYOUT SHEET

PROJECT NAME: IRASBURG - DERBY
PROJECT NUMBER: IM 091-3(47)

FILE NAME: p07a148.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a148pmd.i

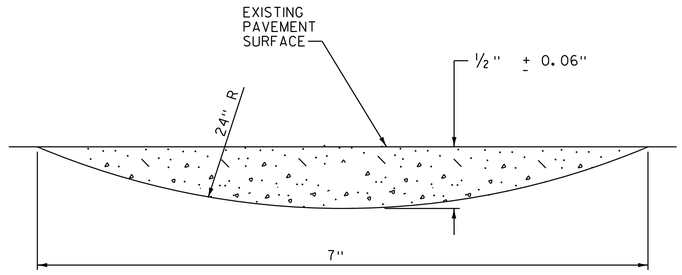
PLOT DATE: 04-DEC-2012 13:4
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 24 OF 28



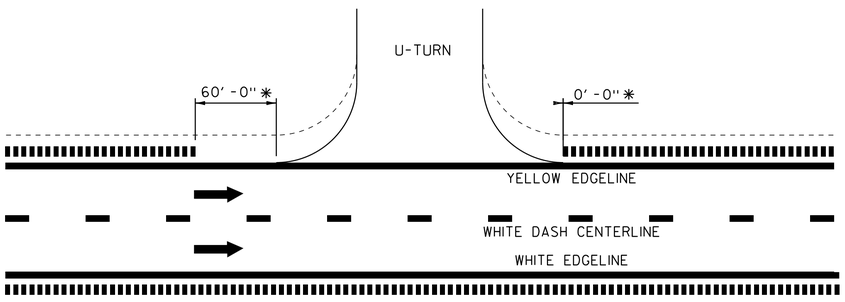
RUMBLE STRIP MILLING DETAIL

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 SHOULDER IS LESS THAN 4 FEET WIDE.

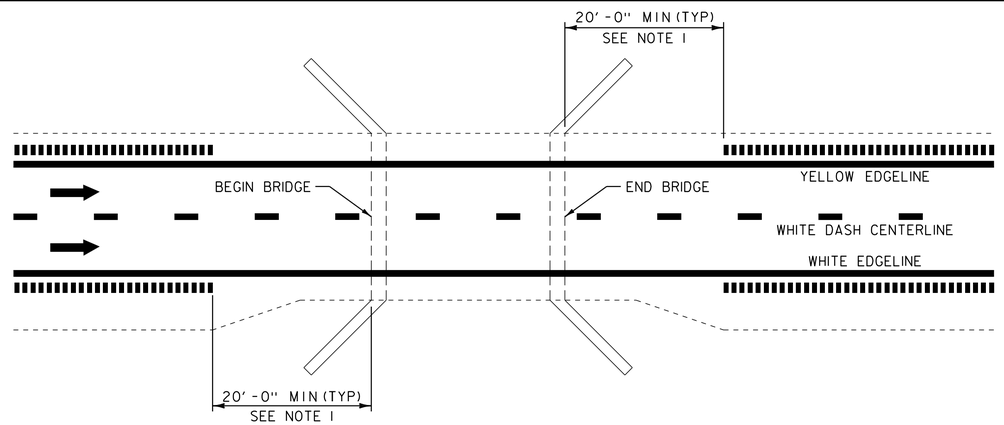


SECTION A–A



RUMBLE STRIP U-TURN DETAIL

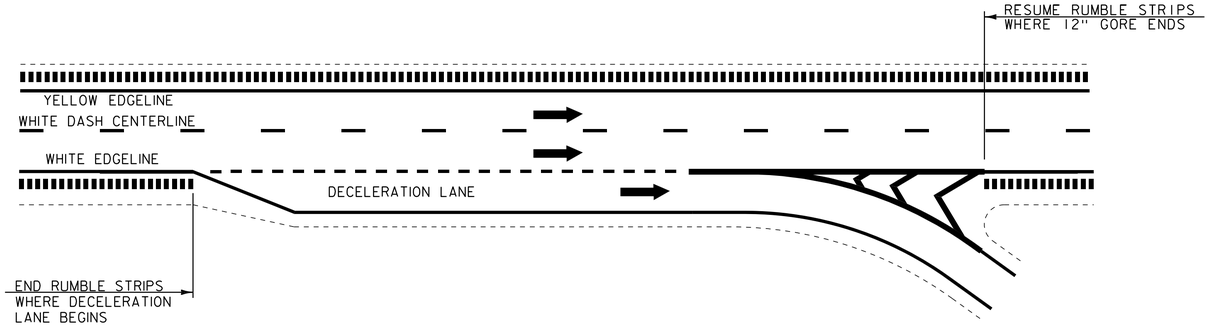
* THE DIMENSIONS MAY VARY DEPENDING ON ACTUAL FIELD CONDITIONS, AND MAY BE MODIFIED AT THE RESIDENT ENGINEER'S DISCRETION.



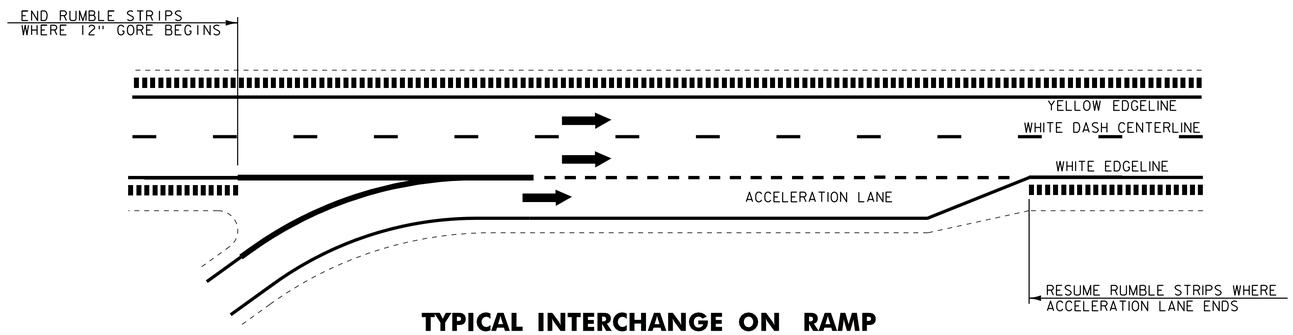
RUMBLE STRIP BRIDGE DETAIL

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

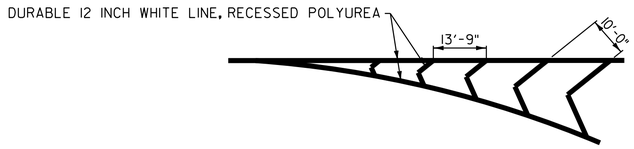
MILLED RUMBLE STRIPS DETAIL SHEET

Stantec

PROJECT NAME: IRASBURG - DERBY
PROJECT NUMBER: IM 091-3(47)

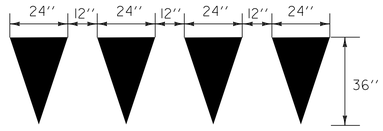
FILE NAME: p07a148.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a148mrsds01.i

PLOT DATE: 04-DEC-2012 13:4
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 25 OF 28



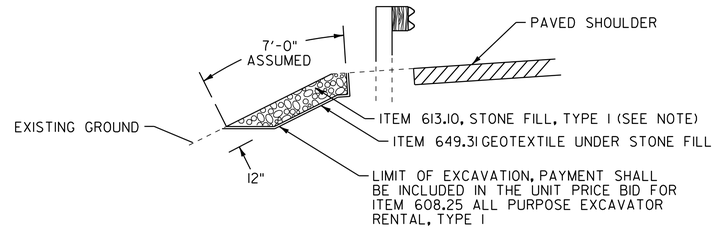
GORE MARKING DETAIL

SEE LAYOUT SHEETS FOR LOCATIONS



YIELD LINE DETAIL

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



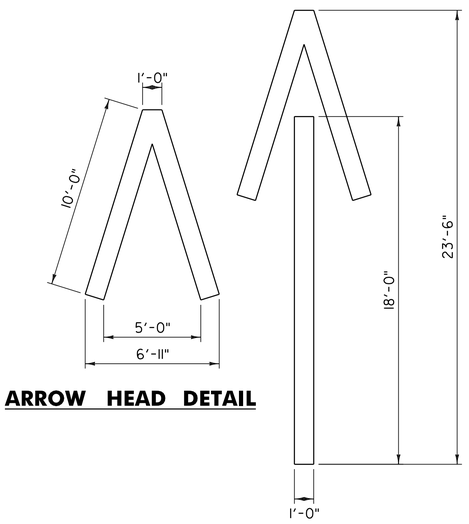
SLOPE EROSION REPAIR DETAIL

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

NORTHBOUND	SOUTHBOUND
MM 163.210, RT	MM 165.384, LT
MM 164.605 - 164.860, RT	MM 165.392, LT
MM 165.313 - 165.316, LT	MM 165.398, LT
MM 165.344 - 165.346, RT	MM 166.255 - 166.257, LT
MM 165.355, RT	MM 167.473, LT
MM 165.357, LT	MM 167.558, LT
MM 165.358 - 165.363, RT	MM 167.575, LT
MM 165.380, RT	MM 167.580, LT
MM 166.247, RT	
MM 166.249, RT	
MM 166.252, RT	
MM 166.258, RT	
MM 166.262 - 166.265, RT	
MM 166.288 - 166.290, RT	
MM 166.293 - 166.297, RT	
MM 166.304 - 166.307, RT	
MM 166.314, RT	
MM 166.330 - 166.332, RT	
MM 166.333, RT	
MM 166.343, RT	
MM 166.349, RT	
MM 166.359 - 166.362, RT	
MM 166.392, RT	
MM 166.395, RT	
MM 166.401, RT	
MM 166.405, RT	
MM 166.409, RT	
MM 166.414, RT	
MM 168.560 - 168.660, RT	
MM 169.154, RT	

NOTE:

AN ESTIMATED QUANTITY OF ITEM 613.11 STONE FILL, TYPE II HAS BEEN INCLUDED FOR USE AS DIRECTED BY THE RESIDENT ENGINEER. IF ITEM 613.11 IS NECESSARY, THE ADDITIONAL EXCAVATION DEPTH REQUIRED WILL BE PAID AS ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I.



ARROW HEAD DETAIL

WRONG WAY ARROW

NOT TO SCALE

Stantec

MISCELLANEOUS DETAIL SHEET

PROJECT NAME: IRASBURG - DERBY
PROJECT NUMBER: IM 091-3(47)

FILE NAME: p07a148.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a148md.i

PLOT DATE: 04-DEC-2012 13:4
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 26 OF 28

CULVERT LOCATIONS		
MM	SIZE (INCHES)	TYPE
NORTHBOUND:		
163.000	18	RCP
163.020	18	RCP
163.160	18	CGMP
163.180	36	CGMP
163.200	36	CGMP
163.220	18	CGMP
163.270	18	CGMP
163.570	18	CGMP
163.630	18	CGMP
163.630	18	CGMP
163.680	18	CGMP
163.690	18	CGMP
163.730	18	CGMP
163.780	18	RCP
163.790	66	CGMP
163.840	66	CGMP
163.920	24	RCP
163.960	18	RCP
163.980	24	CGMP
164.010	18	RCP
164.050	24	CGMP
164.060	18	RCP
164.110	18	RCP
164.120	24	RCP
164.330	24	CGMP
164.370	24	CGMP
164.410	54	CGMP
164.440	12	CGMP
164.450	54	CGMP
164.480	24	CGMP
164.540	18	CGMP
164.600	24	CGMP
164.620	18	CGMP
164.670	24	CGMP
164.700	18	CGMP
164.790	18	CGMP
164.810	60	CGMP
164.840	24	CGMP
164.850	60	CGMP
164.910	18	CGMP
164.910	24	CGMP
164.970	24	CGMP
164.970	24	RCP
165.010	24	CGMP
165.020	18	CGMP
165.090	18	CGMP
165.090	24	CGMP
165.120	18	CGMP
165.160	24	CGMP
165.180	18	CGMP

CULVERT LOCATIONS		
MM	SIZE (INCHES)	TYPE
NORTHBOUND:		
165.190	18	CGMP
165.250	60	CGMP
165.260	60	CGMP
165.380	54	CGMP
165.380	54	CGMP
165.430	18	RCP
165.460	18	RCP
165.480	18	RCP
165.520	18	RCP
165.530	18	RCP
165.570	18	RCP
165.580	24	RCP
165.620	18	RCP
165.630	24	RCP
165.680	18	RCP
165.690	18	RCP
165.730	18	RCP
165.770	18	RCP
165.770	18	RCP
165.800	18	RCP
165.850	30	RCP
165.860	18	RCP
165.900	18	RCP
165.910	18	RCP
165.970	18	RCP
165.970	18	RCP
166.030	18	RCP
166.030	18	RCP
166.100	66	CGMP
166.110	66	CGMP
166.210	54	CGMP
166.220	54	CGMP
166.360	18	CGMP
166.560	18	RCP
166.580	18	CGMP
166.630	18	RCP
166.650	18	RCP
166.680	18	RCP
166.720	18	RCP
166.730	18	RCP
166.780	18	RCP
166.790	18	RCP
166.870	42	RCP
166.880	18	RCP
166.940	18	RCP
166.950	24	RCP
166.990	18	RCP
167.010	18	RCP
167.040	18	RCP
167.060	18	RCP

CULVERT LOCATIONS		
MM	SIZE (INCHES)	TYPE
NORTHBOUND:		
167.110	18	RCP
167.150	18	RCP
167.160	18	RCP
167.210	18	RCP
167.280	18	RCP
167.350	18	CGMP
167.390	30	CGMP
167.450	12	CGMP
167.510	36	CGMP
167.620	12	CGMP
167.660	54	CGMP
167.800	18	RCP
167.830	24	CGMP
167.860	18	CGMP
167.890	18	RCP
167.920	18	CGMP
167.950	18	RCP
167.980	18	CGMP
168.010	18	RCP
168.060	18	CGMP
168.060	18	RCP
168.110	18	CGMP
168.120	18	RCP
168.160	18	CGMP
168.170	18	RCP
168.220	18	CGMP
168.240	18	RCP
168.280	18	CGMP
168.300	18	RCP
168.330	18	CGMP
168.370	18	RCP
168.390	18	CGMP
168.440	18	RCP
168.450	18	RCP
168.490	18	RCP
168.500	18	CGMP
168.520	42	RCP
168.560	18	CGMP
168.620	18	CGMP
168.760	54	CGMP
168.770	24	CGMP
168.980	60	CGMP
169.060	60	CGMP
169.110	24	CGMP
169.170	12	CGMP
169.730	18	CGMP
169.730	18	CGMP
169.820	18	CGMP
169.840	18	CGMP
169.910	12	CGMP
169.940	18	CGMP

THIS SHEET IS FOR INFORMATIONAL PURPOSES ONLY

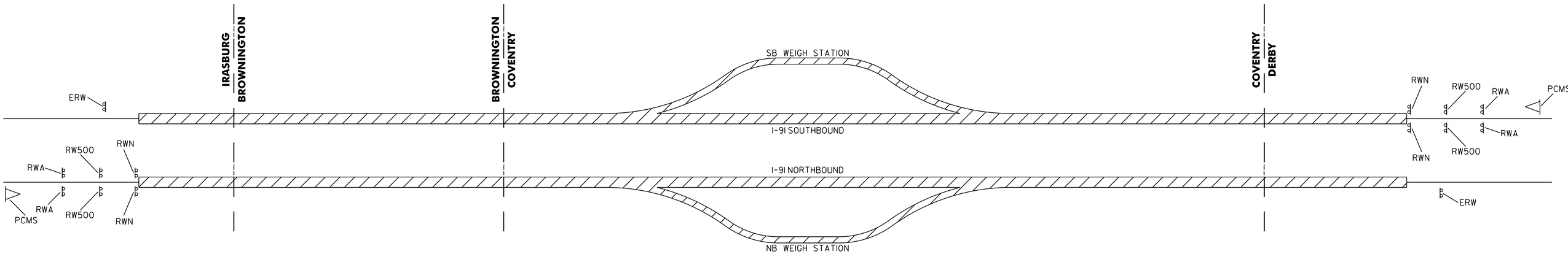
Stantec

CULVERT LOCATION TABLES SHEET

PROJECT NAME: IRASBURG - DERBY
PROJECT NUMBER: IM 091-3(47)

FILE NAME: p07a148.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a148ctl.i

PLOT DATE: 04-DEC-2012 13:4
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 27 OF 28



NOTES:

1. THE CONTRACTOR SHALL SUBMIT A 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 COMPLIANCE WITH STANDARD E-103. 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 MARKING 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.

5. 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.

6. ON VTRANS STANDARD E-103, SIGN W4-2 MAY BE REPLACED WITH W9-2.

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

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

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

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

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

12. CONSTRUCTION ZONE SIGNS SHALL BE INSTALLED AS OUTLINED IN THE SPECIAL PROVISIONS.

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

14. 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.

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

16. FOR LANE CLOSURES GREATER THAN 1/2 MILE LONG, PLACE ONE TYPE III BARRICADE ACROSS THE CLOSED LANE AT 1500 FOOT INTERVALS.

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

LOCATION	ERW	RWA	RW500	RWN	▷
I-91 NORTH/SOUTH - BEGIN PROJECT	1	2	2	2	1
I-91 NORTH/SOUTH - END PROJECT	1	2	2	2	1
TOTAL	2	4	4	4	2

LEGEND

ERW = END ROAD WORK
RWA = ROAD WORK AHEAD
RW500 = ROAD WORK 500 FT
RWN = ROAD WORK NEXT 6¾ MILES
▷ = PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)

NOT TO SCALE

Stantec

TEMPORARY TRAFFIC CONTROL PLAN SHEET

PROJECT NAME: IRASBURG - DERBY
PROJECT NUMBER: IM 091-3(47)

FILE NAME: p07a148.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a148ttcp.i

PLOT DATE: 04-DEC-2012 13:4
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 28 OF 28