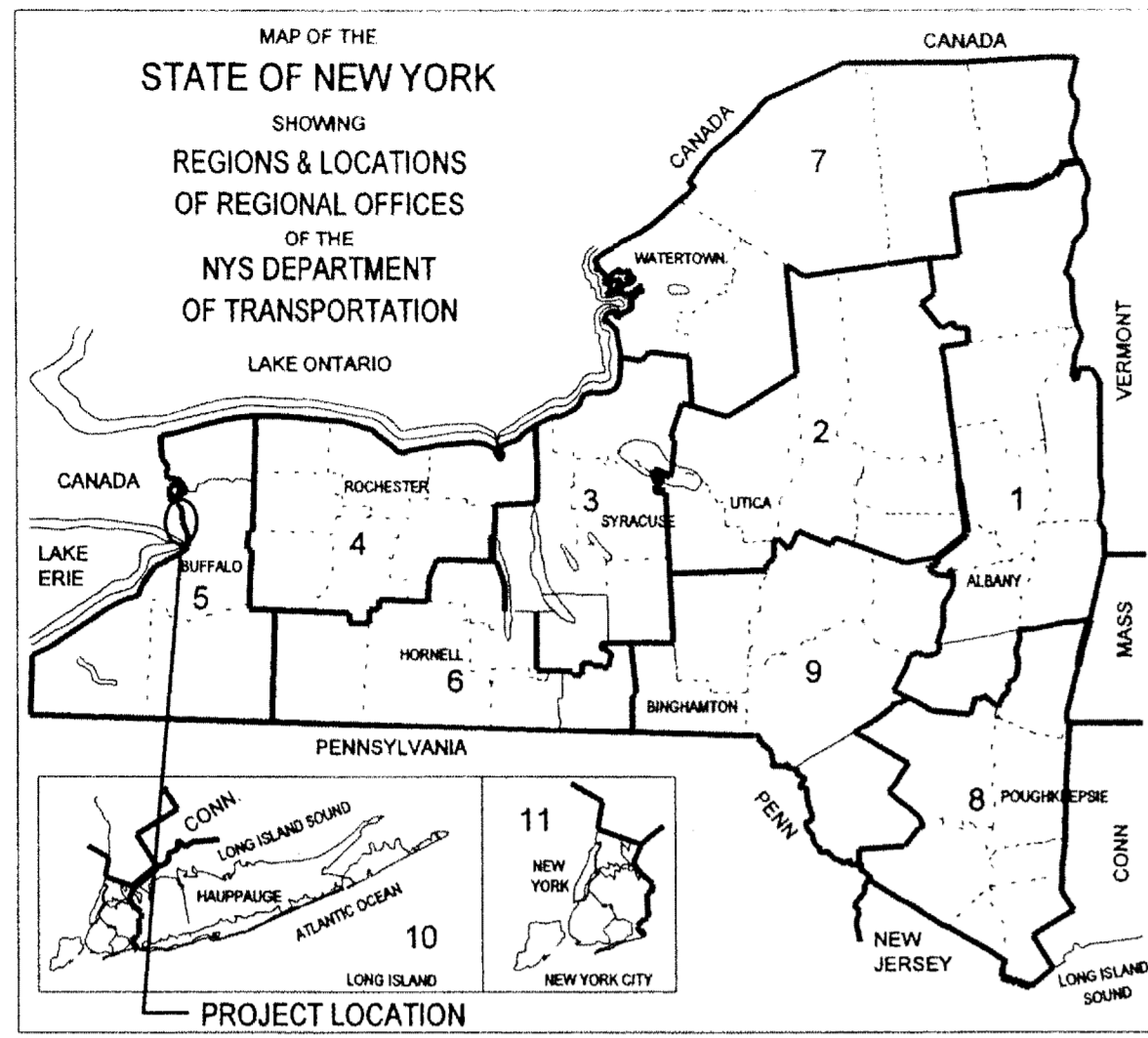


D260558

D260558



STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
OFFICE OF ENGINEERING

PLANS FOR RECONSTRUCTING A PORTION OF
FUHRMANN BOULEVARD - HAMBURG TURNPIKE VIADUCT PT. 6, F.A.C. 58-14
FUHRMANN BOULEVARD, PART 2, F.A.C. 62-20
FUHRMANN BOULEVARD - HIGH LEVEL BRIDGE, BUFFALO SKYWAY MARGINAL RD., F.A.C. 54-9

NY ROUTE 5
(UNION SHIP CANAL TO SKYWAY)
AND
FUHRMANN BOULEVARD
(UNION SHIP CANAL TO COAST GUARD STATION)

RECORD PLANS

941 SHEETS

ERIE COUNTY

CONTRACT D260558

VOLUME 1 OF 3

ALL WORK CONTEMPLATED UNDER THIS CONTRACT IS TO BE COVERED BY AND IN CONFORMITY WITH THE STANDARD SPECIFICATIONS (METRIC UNITS) OF MAY 4, 2006, EXCEPT AS MODIFIED ON THESE PLANS AND IN THE ITEMIZED PROPOSAL.

PREPARED BY
John F. Klotz 074131 7/9/07
NAME NYSPE LICENSE # DATE

DRAWING NOS. : 501-550
PREPARED BY
FISHER ASSOCIATES, PE., L.S., P.C.
Robert Fisher 063943 7/10/07
NAME NYSPE LICENSE # DATE

DRAWING NOS. : 559-633
PREPARED BY
WATTS ARCHITECTURE & ENGINEERING, P.C.
John C. Horan 077871 7/10/07
NAME NYSPE LICENSE # DATE

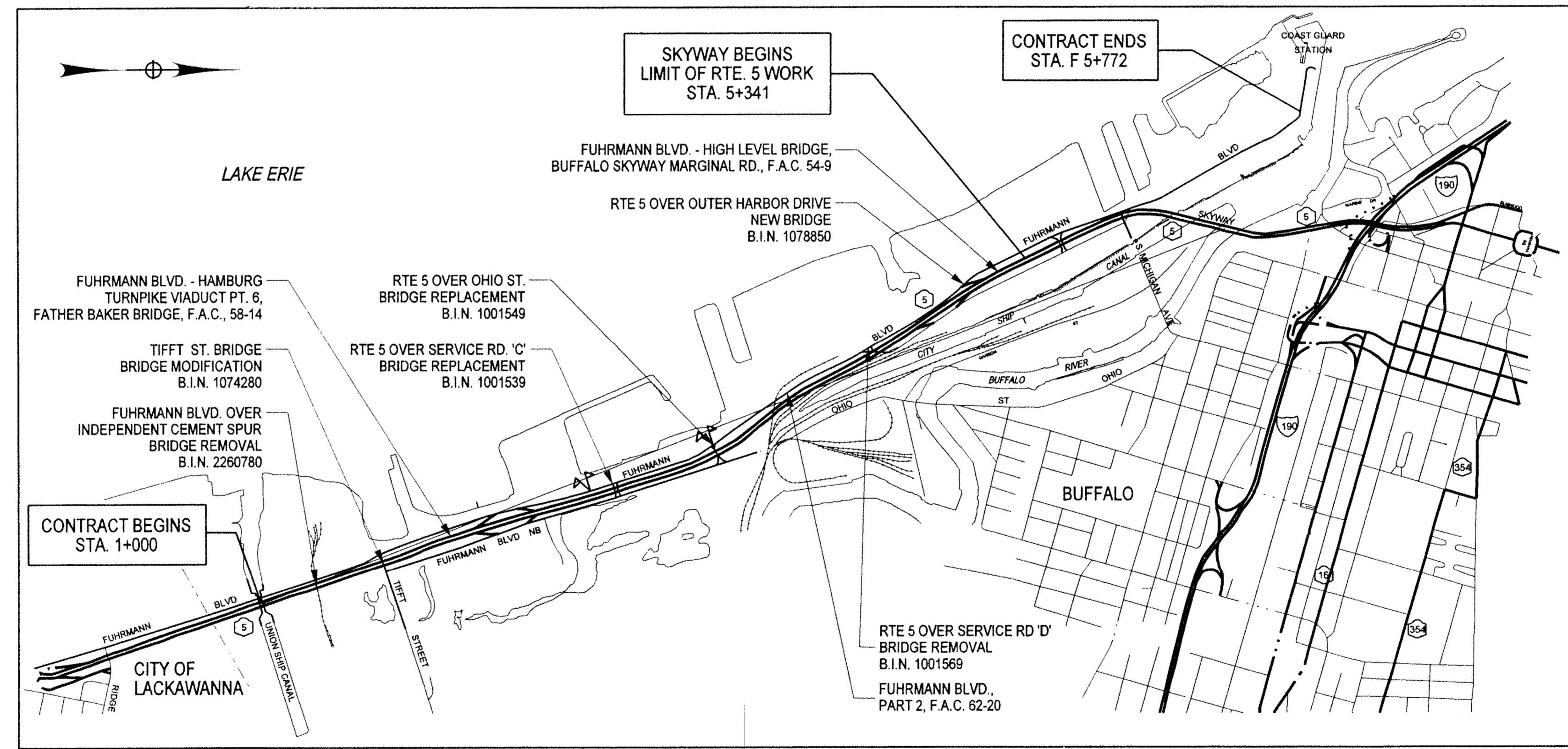
DRAWING NOS. : 775-852, 936-938
PREPARED BY
TROWBRIDGE & WOLF, LLP
William Wolf 001067 7/9/07
NAME NYSLA LICENSE # DATE

APPROVED BY
Byron W. Bunn 7/25/07
MAYOR, CITY OF BUFFALO DATE

DESIGN DATA:
HIGHWAY FUNCTIONAL CLASSIFICATION
NY ROUTE 5: PRINCIPAL ARTERIAL EXPRESSWAY
FUHRMANN BOULEVARD: LOCAL ROAD
DESIGN SPEED:
NY ROUTE 5: 100 km/h
FUHRMANN: 80 km/h
DESIGN YEAR: 2030
DESIGN HOUR VOLUME (DHV):
NY ROUTE 5: 4500
FUHRMANN: 1990
ANNUAL AVERAGE DAILY TRAFFIC (AADT):
NY ROUTE 5: 50,600
FUHRMANN: 14,000

CONTRACTOR'S NAME UNION CONCRETE & CONSTRUCTION CORP.
AWARD DATE DECEMBER 24, 2007
COMPLETION DATE MARCH 01, 2012
FINAL ACCEPTANCE DATE JULY 25, 2012
REGIONAL DIRECTOR (ACTING) DARRELL F. KAMINSKI, P.E.
ENGINEER IN CHARGE JEFFERY ZAPROWSKI, P.E.
FINAL COST TOTAL \$54,270,368.29

FISCAL SHARE	COST(S)
01	\$28,542,741.21
02	\$19,574,701.98
03	\$3,428,993.41
04	\$2,142,059.88
05	\$186,840.35
06	\$308,320.68
07	\$86,710.72



PROJECT LOCATION
THIS PROJECT, IN ERIE COUNTY, BEGINS ON NYS ROUTE 5, AT THE UNION SHIP CANAL AND PROCEEDS NORTH 4.1 KM TO THE START OF THE SKYWAY. THE PROJECT ALSO INCLUDES FUHRMANN BLVD. BEGINNING AT THE UNION SHIP CANAL AND PROCEEDING NORTH 4.8 KM TO THE U.S.C.G. STATION.

RECOMMENDED BY
Darrell F. Kaminski 9/17/07 REGIONAL DESIGN ENGINEER DATE
RECOMMENDED BY
John M. Dineen 7-19-07 REGIONAL CONSTRUCTION ENGINEER DATE
RECOMMENDED BY
Robert M. ... 7/18/07 REGIONAL TRANSPORTATION MAINTENANCE ENGINEER DATE
RECOMMENDED BY
Michael Roche 7/18/07 REGIONAL TRAFFIC ENGINEER DATE
APPROVED BY
Byron W. Bunn 7-19-07 REGIONAL DIRECTOR DATE

FUHRMANN BOULEVARD - HAMBURG TURNPIKE VIADUCT PT. 6			
FATHER BAKER BRIDGE, F.A.C. 58-14			
FUHRMANN BOULEVARD, PART 2, F.A.C. 62-20			
FUHRMANN BOULEVARD - HIGH LEVEL BRIDGE, BUFFALO SKYWAY MARGINAL RD., F.A.C. 54-9			
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)			
CITY OF BUFFALO, ERIE COUNTY			
FED. ROAD REG. NO.	STATE	SHEET NO.	TOTAL SHEETS
1	N.Y.	1R1	940
FEDERAL AID PROJECT NO.		H 170-5044-013	
CAPITAL PROJECT IDENTIFICATION NO.		5044.01	
INDEX ON SHEET NO.		2	

D260558

D260558

DESIGN JOB MANAGER: *John M. Dineen*
DESIGN SUPERVISOR: *John M. Dineen*
JOB MANAGER: *John M. Dineen*
ESTIMATED BY: *Max Mauer*
CHECKED BY: *John M. Dineen*
DRAFTED BY: *John M. Dineen*
CHECKED BY: *John M. Dineen*

DESIGN SUPERVISOR J. HUBERT
 JOB MANAGER J. HUBERT
 DESIGNED BY J. GEASLING
 CHECKED BY J. HUBERT
 ESTIMATED BY J. GEASLING
 DRAFTED BY P. BORKOWSKI
 CHECKED BY J. GEASLING

INDEX

SHEET NUMBER	DESCRIPTION	DRAWING NUMBER	NO. OF SHEETS
1	TITLE SHEET	COVER	1
2F1	INDEX	INDEX	1
3	ABBREVIATIONS	AB-1	1
4F1-17F1	TYPICAL SECTIONS	TS-1 TO TS-14	14
18-22	ESTIMATE OF QUANTITIES	QUAN-1 TO QUAN-5	5
23-24	LEGEND, LINE & POINT SYMBOLOLOGY	L-1 TO L-2	2
25	GENERAL NOTES	G-1	1
PLANS & PROFILES - 1:2500			
26F1-33F1	PLANS	PL-1 TO PL-8	8
34F1-39F1	PROFILES	PR-1 TO PR-6	6
TRAFFIC CONTROL PLANS			
40-42	MAINTENANCE AND PROTECTION OF TRAFFIC GENERAL NOTES	MPT-1 TO MPT-2A	3
43-53	MAINTENANCE AND PROTECTION OF TRAFFIC TYPICAL SECTIONS AND TRAFFIC CONTROL DETAILS	MPT-3 TO MPT-11	9
54-61	EMBANKMENT PREPARATION TABLES, NOTES AND PLANS	MPT-12 TO MPT-12G	8
62-100	CONSTRUCTION STAGING PLANS	MPT-13 TO MPT-51	38
101-213	MAINTENANCE AND PROTECTION OF TRAFFIC PLANS	MPT-52 TO MPT-164	112
214	TEMPORARY DIVERSION PROFILES	MPT-165	1
215-217	SIGN TEXT DATA	MPT-166 TO MPT-168	2
218-223	TEMPORARY TRAFFIC SIGNAL PLANS	TTS-1 TO TTS-6	6
GENERAL DRAWINGS			
224F1-227F1	BASELINE ALIGNMENT PLANS	AL-1 TO AL-4	4
228F1-239F8	CURVE DATA TABLE	CT-1 TO CT-18	19
240-241	BASELINE TIES	BLT-1 & BLT-2	2
242F1-244F1	PLAN AND TABLE OF HIGHWAY MAINTENANCE JURISDICTION	MJ-1 TO MJ-3	3
245F1-259F3, 260F1-267F2	DRAINAGE AND UTILITY TABLES	DUT-1 TO DUT-23	26
268F1-269F1, 270, 271F1, 272-276, 277F1	MISCELLANEOUS TABLES	MT-1 TO MT-10	10
278-282, 283F1-286F1, 287-288	DRAINAGE DETAILS	DD-1 TO DD-11	11
289-292, 293F1, 294-297F3, 298-299F1	MISCELLANEOUS DETAILS	MD-1 TO MD-12	15
300-301	EARTHWORK SUMMARY SHEETS	EWS-1 TO EWS-2	2
SPECIAL PLANS			
302F1-314F1	INTERSECTION CONTOUR PLANS	ICP-1 TO ICP-13	13
314F2	CUL-DE-SAC CONTOUR PLAN	ICP-14	1
PLANS & PROFILES - 1:500			
315	GENERAL PLANS KEYMAP	GP-KEY	1
316, 317F1-370F1	GENERAL PLANS - 1:500	GP-1 TO GP-55	55
371F1-432F1, 433-437, 438F1-439, 440-446, 447F1-489F1, 490-491, 492F1-493, 494-497, 498F1-499, 500F1-500F1	GENERAL PROFILES - 1:100V, 1:500H	GPR-1 TO GPR-130	139
TRAFFIC CONTROL DRAWINGS			
501F1-505F1, 506	OVERHEAD SIGN STRUCTURE & ELEVATION	SGP-1 TO SGP-6	6
507F1, 508-513, 514F1	OVERHEAD SIGN STRUCTURE CANTILEVER STRUCTURE DETAILS	SGD-1 TO SGD-8	8
515F1-535F1	SIGNING AND PAVEMENT MARKING PLANS	SPM-1 TO SPM-21	21
536-537F1	WAYFINDING PLANS	SPM-22 TO SPM-23	2
538F1-544F2, 545, 546F1-548F1	SIGN TEXT DATA TABLES	SDS-1 TO SDS-11	12
549-551	PAVEMENT MARKING DETAILS	SSD-1 TO SSD-3	3
552-553	NOT USED		
554-555	TRAFFIC SIGNAL PLANS	SIG-1 TO SIG-2	2
556	TRAFFIC SIGNAL TABLES	SIG-3	1
557-558	ITS SECTIONS AND DETAILS	ITS-1 TO ITS-2	2

INDEX

SHEET NUMBER	DESCRIPTION	DRAWING NUMBER	NO. OF SHEETS
DRAINAGE & UTILITY DRAWINGS			
559F1	LIGHTING NOTES	LN-1	1
560F1-562F1	LIGHTING DETAILS	LD-1 TO LD-3	3
563F1-577F3	LIGHTING TABLES	LT-1 TO LT-17	17
578	LIGHTING PLANS - KEY MAP	LP-KEY	1
579F1-633F1	LIGHTING PLANS	LP-1 TO LP-55	55
634	DRAINAGE AND UTILITY PLANS KEYMAP	DRN-KEY	1
635, 636-690F1	DRAINAGE AND UTILITY PLANS	DRN-1 TO DRN-56	56
691	GRADING, EROSION & SEDIMENT CONTROL NOTES	ECN-1	1
692	GRADING, EROSION & SEDIMENT CONTROL PLANS - KEY MAP	ECP-KEY	1
693, 694F1-748F1	GRADING, EROSION & SEDIMENT CONTROL PLANS	ECP-1 TO ECP-55	56
749F1, 749F2-752F1	GRADING, EROSION & SEDIMENT CONTROL TABLES	ECT-1 TO ECT-4	5
753-754	GRADING, EROSION & SEDIMENT CONTROL DETAILS	ECD-1 TO ECD-2	2
RETAINING WALL DRAWINGS			
755F1	RETAINING WALLS PLAN & ELEVATIONS - KEY MAP	RPE-KEY	1
756F1-761F1	RETAINING WALLS PLAN & ELEVATIONS - PERMANENT WALLS	RPE-1 TO RPE-6	6
762F1-763F1	RETAINING WALLS PLAN & ELEVATIONS - TEMPORARY WALLS	RPE-7 TO RPE-8	2
764F1	RETAINING WALLS PLAN & ELEVATIONS - ADDITIONAL QUANTITIES	RPE-9	1
765F1	RETAINING WALLS PLAN & ELEVATIONS - MSES WALL DETAILS	RPE-10	1
766F1-774F1	RETAINING WALLS PLAN & ELEVATIONS - PERMANENT GRES SLOPES	RPE-11 TO RPE-19	9
774F2	RETAINING WALLS PLAN & ELEVATIONS - GRES SLOPE DETAILS	RPE-20	1
774F3-774F4	RETAINING WALLS PLAN & ELEVATIONS - PERM. SEGMENTAL BLOCK WALLS	RPE-21 TO RPE-22	2
774F5	RETAINING WALLS PLAN & ELEVATIONS - SEGMENTAL BLOCK WALL DETAILS	RPE-23	1
LANDSCAPE DRAWINGS			
775-790	LANDSCAPE REMOVAL PLANS	LRP-1 TO LRP-16	16
791F1	LANDSCAPE LEGEND AND GENERAL NOTES	LS-1	1
792	LANDSCAPE PLANS KEY MAP	LA-KEY	1
793, 794F1-847F1	LANDSCAPE PLANS	LA-1 TO LA-55	55
848F1-850F2, 851F1-852F3	LANDSCAPE DETAILS	LL-1 TO LL-5	8
BEACHLINE RR CROSSING DRAWINGS			
853	HIGHWAY - RAILROAD GRADE CROSSING PLAN	RR-1	1
854	HIGHWAY - RAILROAD GRADE CROSSING PROFILE	RR-2	1
855-856	GRADE CROSSING DETAILS	RD-1 TO RD-2	2

BRIDGE DRAWINGS INDEX

SHEET NUMBER	DESCRIPTION	DRAWING NUMBER	NO. OF SHEETS
857F1	BRIDGE DRAWINGS - GENERAL NOTES	ST-1	1
858F1	NYS ROUTE 5 OVER SERVICE ROAD C BRIDGE REMOVAL (B.I.N *1001539)	ST1-1	1
859F1-876F1	NYS ROUTE 5 OVER TNP DRIVEWAY (B.I.N *1079110)	ST1-2 - ST1-18	16
877-893F1, 894-895	NYS ROUTE 5 OVER OHIO STREET (B.I.N *1001549)	ST2-1 - ST2-18	18
896-910	NYS ROUTE 5 OVER OUTER HARBOR DRIVE (B.I.N *1078850)	ST3-1 - ST3-14	14
911	NYS ROUTE 5 OVER SERVICE ROAD D BRIDGE REMOVAL (B.I.N *1001569)	ST4-1	1
912-922	TIFFT STREET FACADE IMPROVEMENT (B.I.N *1074280)	ST5-1 - ST5-11	11
923-932	FUHRMANN BLVD. OVER INDEPENDENT CEMENT SPUR (B.I.N *2260780)	ST6-1 - ST6-10	10
932F01-932F18	NYS ROUTE 5 OVER SERVICE ROAD D (B.I.N *1079100)	ST7-1 - ST7-17	18
933-935F2, 936-938F1, 940	COMMON BRIDGE DETAILS	CD-1 TO CD-8	9
940F1	TIFFT NATURE PRESERVE DOCK PLAN	CD-9	1
940F2-940F4	TIFFT NATURE PRESERVE DOCK DETAILS	CD-10 TO CD-12	3

THIS SHEET SUPPLEMENTED BY SHEET 2F2

THE ABOVE SIGNATURES APPROVE SHEET NOS. 2F1, 4F1-17F1, 26F1-39F1, 224F1-239F8, 242F1-267F2, 268F1-269F1, 271F1, 277F1, 283F1-286F1, 293F1, 297F1-F3, 299F1, 317F1-432F1, 438F1-439F1, 447F1-459F1, 462F1-481F1, 483F1-487F3, 488F1-500F1, 501F1-505F1, 507F1, 514F1, 515F1, 535F1, 537F1, 538F1-544F2, 546F1-548F1, 559F1-577F1, 579F1, 633F1, 636F1-690F1, 694F1-752F2, 755F1-774F5, 791F1, 794F1-847F1, 848F1-852F3, 893F1, 935F2, 936F1, & 940F1-F4.

FIELD CHANGE
 THIS SHEET SUPERSEDES SHEET 2.
 NOTE: THIS SHEET REPRESENTS REVISIONS TO THE PS&E DRAWINGS DATED 09/07/07. THESE FIELD CHANGE SHEETS ARE NECESSARY DUE TO DESIGN CHANGES INTRODUCED AFTER THE PROJECT WAS AWARDED. CHANGES TO THIS SHEET INCLUDE MODIFICATIONS TO THE INDEX.
 SEE ABOVE FOR APPROVAL.

FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	2F1	940
P.I.N. 5044.01.121		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 68-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD, FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				

NEW YORK STATE DEPARTMENT OF TRANSPORTATION
 APPROVED DATE: 2-12-10
 JOHN A. KOWALSKI, P.E. REGIONAL CONSTRUCTION ENGINEER (REGION 5)

NEW YORK STATE DEPARTMENT OF TRANSPORTATION
 APPROVED DATE: 2-18-10
 DARRELL F. KAMINSKI, P.E. REGIONAL DESIGN ENGINEER (REGION 5)

NEW YORK STATE DEPARTMENT OF TRANSPORTATION
 APPROVED DATE: 02/18/10
 THOMAS S. MESSANA, P.E. REGIONAL TRAFFIC ENGINEER (REGION 5)

NEW YORK STATE DEPARTMENT OF TRANSPORTATION
 APPROVED DATE: 02/18/10
 CHARLES J. MORGANTE, JR., P.E. REGIONAL TRANSPORTATION MAINTENANCE ENGINEER (REGION 5)

PREPARED BY
 PB AMERICAS, INC.
 JOHN F. HUBERT 074131 1/29/10
 NAME: JOHN F. HUBERT NYSPE LICENSE # DATE

DRAWING NOS.: 501F1-548F1
 PREPARED BY
 FISHER ASSOCIATES, PE., L.S., P.C.
 ROBERT GOOSEN 063843 1/29/10
 NAME: ROBERT GOOSEN NYSPE LICENSE # DATE

DRAWING NOS.: 559F1-633F1
 PREPARED BY
 WATTS ARCHITECTURE & ENGINEERING, P.C.
 JOHN HONAN 077871 2/1/10
 NAME: JOHN HONAN NYSPE LICENSE # DATE

DRAWING NOS.: 775F1-852F3 & 836-838F1
 PREPARED BY
 TROWBRIDGE & WOLF, LLP
 KATHRYN WOLF 001064 1/26/10
 NAME: KATHRYN WOLF NYSLA LICENSE # DATE

ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED

AS BUILT REVISIONS
 SEE SHEET 2F2 AS BUILT REVISIONS
 N.I.C. CHANGED DRAWING #
 SIGNATURE: [Signature] DATE: 2-05-13

INDEX

STATE OF NEW YORK
 DEPARTMENT OF TRANSPORTATION
 REGION 5

PB AMERICAS, INC. DATE: 12/31/09 DRAWING NO. INDEX: 3

INDEX - REVISIONS TO SHEET 2F1

SHEET NO.	DESCRIPTION	DWG NO.	NO. OF SHEETS
2F1-2F2	INDEX	INDEX-1 TO INDEX-2	2
4F1-15F1, 16, 17F1	TYPICAL SECTIONS	TS-1 TO TS-14	14
18-22A1, 22A1F1	ESTIMATE OF QUANTITIES	QUAN-1 TO QUAN-6	6
228F1-229F1, 230-231, 232F1-239F8	CURVE DATA TABLE	CT-1 TO CT-18	19
288F1-288F8	BELL SLIP BY-PASS DRAINAGE DETAILS	BSB-1 TO BSB-8	8
289-292, 293F1, 294-296, 297F1-297F3, 298-299F1	MISCELLANEOUS DETAILS	MD-1 TO MD-12	15
371F1-399F1, 400, 401F1-432F1, 433-437, 438F1-439F1, 440-446, 447F1-449F1, 450, 451F1-452F1, 453, 454F1-459F1, 460-461, 462F1-472F1, 473-475, 476F1-478F1, 479, 480F1-481F1, 482, 483F1-487F3, 488F1-489F5, 490F1-490F12, 491F1-496F23, 497F1-500F11	GENERAL PROFILES - 1:100V, 1:500H	GPR-1 TO GPR-130	179
635, 636F1-690F1	DRAINAGE AND UTILITY PLANS	DRN-1 TO DRN-55	56
877-893, 893F1, 894-895	NYS ROUTE 5 OVER OHIO STREET (B.I.N. #1001549)	ST2-1 TO ST2-18	18
912F1-919F1, 920-922	TIFFT STREET FAÇADE IMPROVEMENT (B.I.N. # 1074280)	ST5-1 TO ST5-11	11
933-934, 935F2, 936-937, 938F1, 939-940	COMMON BRIDGE DETAILS	CD-1 TO CD-8	8
	NOTE: SHEET 935F1 DOES NOT EXIST		

SHOP DRAWINGS

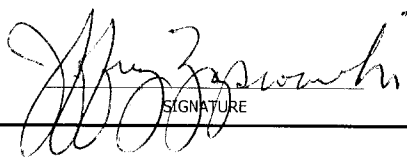
SHEET NO.	DESCRIPTION	DWG NO.	NO. OF SHEETS
	MECHANICALLY STABILIZED EARTH SYSTEM (MSES) SHOP DRAWINGS		
760S1-760S16	MSES WALL LAYOUTS AND DETAILS FOR WALLS F, G, H, I, & E, 2-STAGE WALL DETAILS FOR MSES WALLS F, G, H, & WINGWALLS @ SERVICE ROAD D BRIDGE	1-16	16
760S17-760S28	WIRE FACED MSES WALLS F, G & H AND TEMPORARY WALLS A & B	17-28	12
760S29-760S48	MSES WALL PRECAST PANEL DRAWINGS	S1-S20	20
868F1S1-868F1S5	MSES WINGWALLS AT TIFFT NATURE PRESERVE DRIVEWAY BRIDGE	1-5	5
868F1S6-868F1S12	MSES WALL PRECAST PANEL DRAWINGS	S1-S7	7
877F1S1-877F1S4	MSES WINGWALLS AT OHIO STREET BRIDGE	1-3, S1	4
	CONSPAN BRIDGE SYSTEM SHOP DRAWINGS		
859S1-859S20	TIFFT NATURE PRESERVE DRIVEWAY CONSPAN BRIDGE DRAWINGS	CT1-CT22	22
877S1-877S20	OHIO STREET CONSPAN BRIDGE DRAWINGS	CT1-CT20	20
896S1-896S17	OUTER HARBOR DRIVE CONSPAN BRIDGE DRAWINGS	CT1-CT17	17
932S1-932S17	SERVICE ROAD D CONSPAN BRIDGE DRAWINGS	CT1-CT17	17
	REINFORCING BAR FABRICATION DRAWINGS		
	TIFFT STREET BRIDGE N.E & N.W RETAINING WALL REINFORCING	R1-R2	2
	OHIO STREET BRIDGE ABUTMENT REINFORCING	R4-R7	4
	OUTER HARBOR DRIVE BRIDGE ABUTMENT REINFORCING	R8-R9	2
	MOMENT SLAB REINFORCING AT OHIO STREET, SERVICE ROAD D AND OUTER HARBOR DRIVE	R10-R12	3
	TIFFT NATURE PRESERVE BRIDGE ABUTMENT REINFORCING	R13-R14	2
	MOMENT SLAB REINFORCING AT TIFFT NATURE PRESERVE	R15	1
	CANTILEVER TRUSS ARM OVERHEAD SIGN STRUCTURES		
	S.I.N. 50065, LOCATION #1, STATION SR5 2+350, LEFT - SBM-1909-1	SC1-SC2	2
	S.I.N. 50060, LOCATION #2, STATION SR5 2+986, RIGHT - SBM-1909-2	SC1-SC2	2
	S.I.N. 50068, LOCATION #3, STATION SR5 4+358, RIGHT - SBM-1909-3	SC1-SC2	2
	S.I.N. 50072, LOCATION #4, STATION SR5 5+246, LEFT - SBM-1909-4	SC1-SC2	2
	S.I.N. 50070, LOCATION #5, STATION SR5 5+340, RIGHT - SBM-1909-5	SC1-SC2	2
	TIFFT STREET BRIDGE FAÇADE		
	TIFFT STREET BRIDGE FAÇADE ARCHITECTURAL PANELS	SD-1.0	1
	TIFFT STREET BRIDGE FAÇADE ELEVATION OF PANEL SUPPORTS	SD-1.1	1
	TIFFT STREET BRIDGE FAÇADE PANEL ATTACHMENT DETAILS	SD-1.2	1
	TIFFT STREET BRIDGE FAÇADE BILL OF MATERIALS	SD-3.0	1
	TIFFT STREET BRIDGE FAÇADE SUPPORT STRUCTURE DETAILS	SD3.1-SD3.2	2

FED. ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	2F2R/	940
P.I.N. 5044.01.121		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD, FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				

FIELD REVISION SHEET

THIS SHEET SUPPLEMENTS SHEET 2F1R1

THE SIGNATURES ON SHEET 2F1 APPROVE SHEET NUMBERS: 2F1, 4F1-15F1, 17F1, 26F1-39F1, 224F1-229F1, 232F1-239F8, 242F1-267F2, 268F1-269F1, 271F1, 277F1, 283F1-286F1, 293F1, 297F1-297F3, 299F1, 302F1-314F2, 317F1-399F1, 401F1-432F1, 438F1-439F1, 447F1-449F1, 451F1-452F1, 454F1-459F1, 462F1-472F1, 476F1-478F1, 480F1-481F1, 483F1-487F3, 488F1-500F11, 501F1-505F1, 507F1, 514F1-535F1, 537F1-544F2, 546F1-548F1, 559F1-577F1, 579F1-633F1, 636F1-690F1, 694F1-752F1, 755F1-774F5, 791F1, 794F1-852F3, 893F1, 935F2 & 938F1

AS BUILT REVISIONS		
	DATE	4-12-13
INDEX		
STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION		
REGION 5	DATE 1/16/2013	DRAWING NO. INDEX-2

INDEX - REVISIONS TO SHEET 2F1

SHEET NO.	DESCRIPTION	DWG NO.	NO. OF SHEETS
2F1-2F2	INDEX	INDEX-1 TO INDEX-2	2
4F1-15F1, 16, 17F1	TYPICAL SECTIONS	TS-1 TO TS-14	14
18-22A1, 22A1F1	ESTIMATE OF QUANTITIES	QUAN-1 TO QUAN-6	6
228F1-229F1, 230-231, 232F1-239F8	CURVE DATA TABLE	CT-1 TO CT-18	19
288F1-288F8	BELL SLIP BY-PASS DRAINAGE DETAILS	BSB-1 TO BSB-8	8
289-292, 293F1, 294-296, 297F1-297F3, 298-299F1	MISCELLANEOUS DETAILS	MD-1 TO MD-12	15
371F1-399F1, 400, 401F1-432F1, 433-437, 438F1-439F1, 440-446, 447F1-449F1, 450, 451F1-452F1, 453, 454F1-459F1, 460-461, 462F1-472F1, 473-475, 476F1-478F1, 479, 480F1-481F1, 482, 483F1-487F3, 488F1-489F5, 490F1-490F12, 491F1-496F23, 497F1-500F11	GENERAL PROFILES - 1:100V, 1:500H	GPR-1 TO GPR-130	179
635, 636F1-690F1	DRAINAGE AND UTILITY PLANS	DRN-1 TO DRN-55	56
877-893, 893F1, 894-895	NYS ROUTE 5 OVER OHIO STREET (B.I.N. #1001549)	ST2-1 TO ST2-18	18
912F1-919F1, 920-922	TIFFT STREET FAÇADE IMPROVEMENT (B.I.N. # 1074280)	ST5-1 TO ST5-11	11
933-934, 935F2, 936-937, 938F1, 939-940	COMMON BRIDGE DETAILS	CD-1 TO CD-8	8
	NOTE: SHEET 935F1 DOES NOT EXIST		

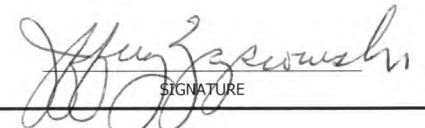
SHOP DRAWINGS

SHEET NO.	DESCRIPTION	DWG NO.	NO. OF SHEETS
	<u>MECHANICALLY STABILIZED EARTH SYSTEM (MSES) SHOP DRAWINGS</u>		
760S1-760S16	MSES WALL LAYOUTS AND DETAILS FOR WALLS F, G, H, I, & E, 2-STAGE WALL DETAILS FOR MSES WALLS F, G, H, & WINGWALLS @ SERVICE ROAD D BRIDGE	1-16	16
760S17-760S28	WIRE FACED MSES WALLS F, G & H AND TEMPORARY WALLS A & B	17-28	12
760S29-760S48	MSES WALL PRECAST PANEL DRAWINGS	S1-S20	20
868F1S1-868F1S5	MSES WINGWALLS AT TIFFT NATURE PRESERVE DRIVEWAY BRIDGE	1-5	5
868F1S6-868F1S12	MSES WALL PRECAST PANEL DRAWINGS	S1-S7	7
877F1S1-877F1S4	MSES WINGWALLS AT OHIO STREET BRIDGE	1-3, S1	4
	<u>CONSPAN BRIDGE SYSTEM SHOP DRAWINGS</u>		
859S1-859S20	TIFFT NATURE PRESERVE DRIVEWAY CONSPAN BRIDGE DRAWINGS	CT1-CT22	22
877S1-877S20	OHIO STREET CONSPAN BRIDGE DRAWINGS	CT1-CT20	20
896S1-896S17	OUTER HARBOR DRIVE CONSPAN BRIDGE DRAWINGS	CT1-CT17	17
932S1-932S17	SERVICE ROAD D CONSPAN BRIDGE DRAWINGS	CT1-CT17	17
	<u>REINFORCING BAR FABRICATION DRAWINGS</u>		
	OHIO STREET BRIDGE ABUTMENT REINFORCING	R4-R7	4
	OUTER HARBOR DRIVE BRIDGE ABUTMENT REINFORCING	R8-R9	2
	MOMENT SLAB REINFORCING AT OHIO STREET, SERVICE ROAD D AND OUTER HARBOR DRIVE	R10-R12	3
	<u>CANTILEVER TRUSS ARM OVERHEAD SIGN STRUCTURES</u>		
	S.I.N. 50065, LOCATION #1, STATION SR5 2+350, LEFT - SBM-1909-1	SC1-SC2	2
	S.I.N. 50060, LOCATION #2, STATION SR5 2+986, RIGHT - SBM-1909-2	SC1-SC2	2
	S.I.N. 50068, LOCATION #3, STATION SR5 4+358, RIGHT - SBM-1909-3	SC1-SC2	2
	S.I.N. 50072, LOCATION #4, STATION SR5 5+246, LEFT - SBM-1909-4	SC1-SC2	2
	S.I.N. 50070, LOCATION #5, STATION SR5 5+340, RIGHT - SBM-1909-5	SC1-SC2	2
	<u>TIFFT STREET BRIDGE FAÇADE</u>		
	TIFFT STREET BRIDGE FAÇADE ARCHITECTURAL PANELS	SD-1.0	1
	TIFFT STREET BRIDGE FAÇADE ELEVATION OF PANEL SUPPORTS	SD-1.1	1
	TIFFT STREET BRIDGE FAÇADE PANEL ATTACHMENT DETAILS	SD-1.2	1
	TIFFT STREET BRIDGE FAÇADE BILL OF MATERIALS	SD-3.0	1
	TIFFT STREET BRIDGE FAÇADE SUPPORT STRUCTURE DETAILS	SD3.1-SD3.2	2

FED. ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	2F2	940
P.I.N. 5044.01.121		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD, FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				

FIELD REVISION SHEET
THIS SHEET SUPPLEMENTS SHEET 2F1R1

THE SIGNATURES ON SHEET 2F1 APPROVE SHEET NUMBERS: 2F1, 4F1-15F1, 17F1, 26F1-39F1, 224F1-229F1, 232F1-239F8, 242F1-267F2, 268F1-269F1, 271F1, 277F1, 283F1-286F1, 293F1, 297F1-297F3, 299F1, 302F1-314F2, 317F1-399F1, 401F1-432F1, 438F1-439F1, 447F1-449F1, 451F1-452F1, 454F1-459F1, 462F1-472F1, 476F1-478F1, 480F1-481F1, 483F1-487F3, 488F1-500F11, 501F1-505F1, 507F1, 514F1-535F1, 537F1-544F2, 546F1-548F1, 559F1-577F1, 579F1-633F1, 636F1-690F1, 694F1-752F1, 755F1-774F5, 791F1, 794F1-852F3, 893F1, 935F2 & 938F1

NO	AS BUILT REVISIONS
	2-05-13
SIGNATURE	DATE
INDEX	
STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION	
REGION 5	DATE 1/16/2013
	DRAWING NO. INDEX-2

DESIGN SUPERVISOR J. HUBERT
 JOB MANAGER J. HUBERT
 DESIGNED BY J. GEASLING
 CHECKED BY J. HUBERT
 ESTIMATED BY J. GEASLING
 DRAFTED BY P. BORKOWSKI
 CHECKED BY J. GEASLING
 PLOTTED BY: mclama
 FILE: g:\nydotcad\region_5\0440\projectary_highway_design\design\0440_sph_ind_002.dgn
 DATE: 02/20/07 7:57:29 AM

ALIGNMENT	
ABBR.	DESCRIPTION
AH	AHEAD
AZ	AZIMUTH
BK	BACK
B	BASELINE
BRG	BEARING
C	CENTERLINE
CS	CURVE TO SPIRAL
e	SUPERELEVATION RATE (CROSS SLOPE)
EQ	EQUALITY
EXT	EXTERNAL
HCL OR H.C.L	HORIZONTAL CONTROL LINE
HSD OR H.S.D	HEADLIGHT SIGHT DISTANCE
L	LENGTH OF CIRCULAR CURVE
LS	LENGTH OF SPIRAL
LVC	LENGTH OF VERTICAL CURVE
E	CENTER CORRECTION OF VERTICAL CURVE
M	MAIN LINE
PC OR P.C.	POINT OF CURVATURE
PI OR P.I.	POINT OF INTERSECTION
POB OR P.O.B.	POINT OF BEGINNING
POE OR P.O.E.	POINT OF ENDING
POL OR P.O.L.	POINT ON LINE
POR OR P.O.R	POINT OF ROTATION
PSD	PASSING SIGHT DISTANCE
PT	POINT OF TANGENT
PVC	POINT OF VERTICAL CURVE
PVI OR P.V.I.	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENT
R	RADIUS
SC	SPIRAL TO CURVE
SSD OR S.S.D.	STOPPING SIGHT DISTANCE
ST	SPIRAL TO TANGENT
STA OR STA.	STATION
T	TANGENT LENGTH
TGL OR T.G.L.	THEORETICAL GRADE LINE
TS	TANGENT TO SPIRAL
VC OR V.C.	VERTICAL CURVE

UTILITIES	
ABBR.	DESCRIPTION
E	ELECTRIC
EMH	ELECTRIC MANHOLE
EOI	END OF INVESTIGATION
EWL	END OF WORK LIMIT
G	GAS
GP	GUY POLE
GSB	GAS SERVICE BOX (HOUSE LINE)
GV	GAS VALVE (MAIN LINE)
HYD	HYDRANT
LP	LIGHT POLE
LPG	LOW PRESSURE GAS
PP	POWER POLE
SA	SANITARY SEWER
SMH	SANITARY MANHOLE
ST	STORM SEWER
T	TELEPHONE
TCB	TRAFFIC CONTROL BOX
TELBOX	TELEPHONE BOX
TEL P	TELEPHONE POLE
TMH	TELEPHONE MANHOLE
TSP	TRAFFIC SIGNAL POLE
CTV	CABLE TELEVISION
W	WATER
WSB	WATER SERVICE BOX (HOUSE LINE)
WV	WATER VALVE (MAIN LINE)

TOPOGRAPHY (DRAINAGE)	
ABBR.	DESCRIPTION
BB	BOTTOM OF BANK (STREAM)
BC	BOTTOM OF CURB
BO	BOTTOM OF OPENING
CAP	CORRUGATED ALUMINUM PIPE
CB	CATCH BASIN
CIP	CAST IRON PIPE
C	CENTERLINE OF STREAM
CMP	CORRUGATED METAL PIPE
CP	CONCRETE PIPE
CSP	CORRUGATED STEEL PIPE
CULV	CULVERT
DIA OR DIA.	DIAMETER
DMH	DRAINAGE MANHOLE
DS OR D.S.	DRAINAGE STRUCTURE PIPE
D.I.	DRAINAGE INLET
D.I.P.	DUCTILE IRON PIPE
D'XING	DITCH CROSSING
EHW	EXTREME HIGH WATER
EL	ELEVATION
ELEV OR ELEV.	ELEVATION
ELW	EXTREME LOW WATER
ES	END SECTION
HW	HEADWALL
INV OR INV.	INVERT
MH OR M.H.	MANHOLE
MHW	MEAN HIGH WATER
NPS	NOMINAL PIPE SIZE
O.D.	OUTER DIAMETER
OHW	ORDINARY HIGH WATER
OLW	ORDINARY LOW WATER
RCP	REINFORCED CONCRETE PIPE
TB	TOP OF BANK (STREAM)
TC	TOP OF CURB
TG OR T.G	TOP OF GRATE
VCP	VITRIFIED CLAY PIPE
SICPP	SMOOTH INTERIOR CORRUGATED PE
UD	UNDER DRAIN

TOPOGRAPHY (MISCELLANEOUS)	
ABBR.	DESCRIPTION
ABUT	ABUTMENT
AOBE OR A.O.B.E.	AS ORDERED BY ENGINEER
ASPH	ASPHALT
BDY	BOUNDARY
BLDG	BUILDING
BM	BENCH MARK
C.C.	CENTER TO CENTER
CONC OR CONC.	CONCRETE
CONST OR CONST.	CONSTRUCTION
CONN.	CONNECTION
CR OR C.R	COUNTY ROAD
D	DEED DISTANCE
DEPT.	DEPARTMENT
DET.	DETAIL
DM	DIRECT MEASUREMENT
DWY	DRIVEWAY
EB OR E.B.	EAST BOUND
EXIST.	EXISTING
EP	EDGE OF PAVEMENT
EOS OR ES	EDGE OF SHOULDER
EOTW	
FEE	FEE ACQUISITION
FEE WO/A	FEE ACQUISITION WITHOUT ACCESS
FP	FENCE POST
FD	FOUNDATION
FL	FENCE LINE
GAR	GARAGE
GA.	GAUGE
GR	GRAVEL
HB	HIGHWAY BOUNDARY
HO	HOUSE
HWY	HIGHWAY
I.D.	INNER DIAMETER

TOPOGRAPHY (MISCELLANEOUS)	
ABBR.	DESCRIPTION
IP	IRON PIN OR IRON PIPE
LT OR LT.	LEFT
MAX OR MAX.	MAXIMUM
MB	MAILBOX
MIN.	MINIMUM
MON	MONUMENT
MUP OR MUP.	MULTI-USE PATH
NB OR N.B.	NORTH BOUND
N&W	NAIL AND WASHER
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
OG OR O.G.	ORIGINAL GROUND
O/H	OVERHEAD
P	PARCEL
PAV'T OR PAVE.	PAVEMENT
PE	PERMANENT EASEMENT
PED POLE	PEDESTRIAN POLE
P	PROPERTY LINE
POR	PORCH
RC	ROAD
RR	RAILROAD
RT OR RT.	RIGHT
RTE OR RTE.	ROUTE
ROW OR R.O.W.	RIGHT OF WAY
RW	RETAINING WALL
SB OR S.B	SOUTH BOUND
SCH.	SCHEDULE
SECT.	SECTION
SH	STATE HIGHWAY
SHLDR	SHOULDER
SPEC OR SPEC.	SPECIFICATION
SPK	SPIKE
SQ.	SQUARE
ST	STREET
STD.	STANDARD
STK	STAKE
STR.	STRUCTURE
STY	STORY
SW	SIDEWALK
TE	TEMPORARY EASEMENT
TK.	THICK
TO	TEMPORARY OCCUPANCY
TRANS.	
U/G	UNDERGROUND
WB OR W.B.	WEST BOUND
WW	WING WALL

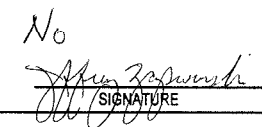
FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	3	940
P.I.N. 5044.01		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD, FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				

SUBSURFACE EXPLORATION	
ABBR.	DESCRIPTION
REPLACE ABBREVIATION "AB" WITH:	
AH	HAND AUGER
CP	CONE PENETROMETER
DA	60 mm CASED DRILL HOLE
DM	DRILLING MUD
DN	100 mm CASED DRILL HOLE
FH	HOLLOW FLIGHT AUGER
PA	POWER AUGER
PH	PROBE
PT	PERCOLATION TEST HOLE
RP	25 mm SAMPLER (RETRACTABLE PLUG)
TO BE DEFINED AT THE TIME OF EXPLORATION	
SP	SEISMIC POINT
TP	TEST PIT
ABBREVIATION "C" IN CATEGORIES: DA, DM, DN, AND FH WITH:	
B	BRIDGE
C	CUT
D	DAM
F	FILL
K	CULVERT
W	WALL
X	TO BE USED IF ONE OF THE ABOVE CANNOT BE DEFINED AT THE TIME THE EXPLORATION IS MADE


STANDARD SYMBOL (PLANS)	ITEM PAYMENT UNIT: ESTIMATE OF QUANTITIES SHEET	EQUIVALENT NOMENCLATURE: (SPECS/PROPOSAL)
m	M	METER
m ²	SQM	SQUARE METER
m ³	CM	CUBIC METER
km	KM	KILOMETER
ha	HA	HECTARE
kg	KG	KILOGRAM
† OR Mg*	MT	METRIC TON
L	L	LITER

* THE METRIC TON IS EQUIVALENT TO ONE MEGAGRAM (Mg)

ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED
AS BUILT REVISIONS


5-1-12
DATE

ABBREVIATIONS


 STATE OF NEW YORK
 DEPARTMENT OF TRANSPORTATION
 REGION 5

PB AMERICAS, INC.	DATE 09/07/07	DRAWING NO. AB-1
--------------------------	------------------	---------------------

CHECKED BY J. GEASLING
 DRAFTED BY T. MALCZEWSKI
 ESTIMATED BY C. GONZALEZ
 CHECKED BY J. HUBERT
 DESIGNED BY J. GEASLING
 JOB MANAGER J. HUBERT
 DESIGN SUPERVISOR J. HUBERT

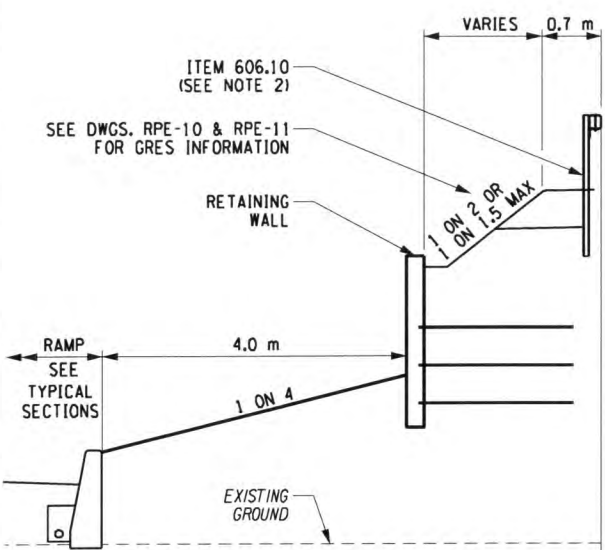
FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	4F1	940
P.I.N. 5044.01		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD, FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				

TABLE OF SECTIONS		
NYS ROUTE 5		
DIRECTION	STA. TO STA.	SECTION
EB & WB	1+497.128 TO 1+820.181	3
WB	1+867.637 TO SR5 1+992.000	3
EB	1+867.637 TO SR5 2+042.000	3
WB	SR5 1+992.000 TO SR5 2+266.000	4
EB	SR5 2+042.000 TO SR5 2+216.000	4
WB	SR5 2+266.000 TO SR5 2+343.000	4
EB	SR5 2+216.000 TO SR5 2+343.000	4
EB & WB	SR5 2+343.000 TO SR5 2+346.000	1
EB & WB	SR5 2+346.000 TO SR5 2+855.000	2
EB & WB	SR5 2+855.000 TO SR5 3+228.000	1
EB & WB	SR5 3+228.000 TO SR5 3+658.000	2
WB	SR5 3+658.000 TO SR5 3+772.197	3
EB	SR5 3+658.000 TO SR5 3+761.880	3
WB	SR5 3+862.241 TO SR5 3+912.000	3
EB	SR5 3+852.078 TO SR5 3+912.000	3
EB & WB	SR5 3+912.000 TO SR5 4+230.000	4
EB & WB	SR5 4+230.000 TO SR5 4+283.000	3
EB & WB	SR5 4+283.000 TO SR5 4+599.000	2
EB & WB	SR5 4+599.000 TO SR5 4+792.000	1
EB & WB	SR5 4+792.000 TO SR5 5+149.000	2
EB & WB	SR5 5+149.000 TO SR5 5+341.000	1

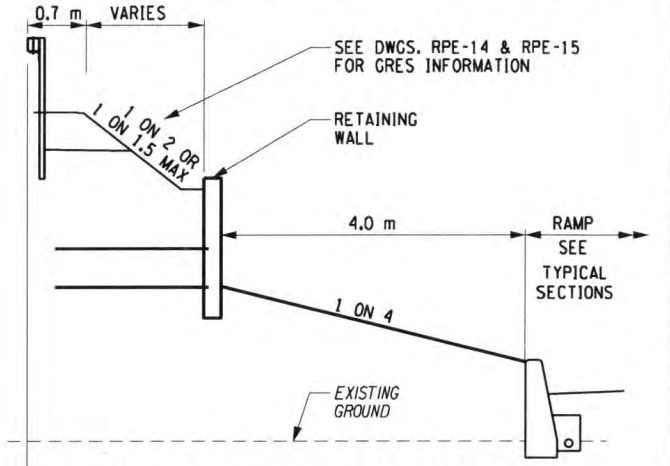
FIELD CHANGE

THIS SHEET SUPERSEDES SHEET 4.

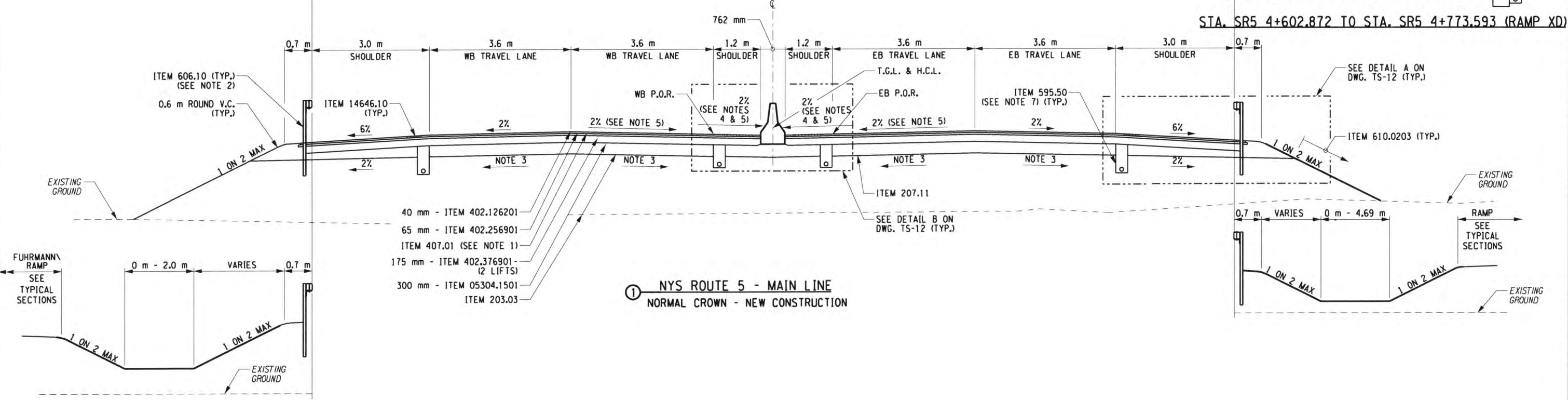
NOTE: THIS SHEET REPRESENTS REVISIONS TO THE PS&E DRAWINGS DATED 09/07/07. THESE FIELD CHANGE SHEETS ARE NECESSARY DUE TO DESIGN CHANGES INTRODUCED AFTER THE PROJECT WAS AWARDED. CHANGES TO THIS SHEET INCLUDE MODIFICATIONS TO THE TYPICAL SECTIONS. SEE SHEET 2 FOR APPROVAL.



STA. SR5 4+622.290 TO STA. SR5 4+777.133 (RAMP XC)



STA. SR5 4+602.872 TO STA. SR5 4+773.593 (RAMP XD)



① NYS ROUTE 5 - MAIN LINE
NORMAL CROWN - NEW CONSTRUCTION

ITEM	DESCRIPTION
203.02	UNCLASSIFIED EXCAVATION
203.03	EMBANKMENT IN PLACE
207.11	GEOTEXTILE SEPARATION
05304.1501	SUBBASE COURSE, OPTIONAL TYPE (MODIFIED)
402.126201	12.5 mm F2, SUPERPAVE HMA, 60 SERIES COMPACTION
402.256901	25.0 mm F9, SUPERPAVE HMA, 60 SERIES COMPACTION
402.376901	37.5 mm F9, SUPERPAVE HMA, 60 SERIES COMPACTION
407.01	TACK COAT
606.10	BOX BEAM GUIDE RAILING
610.0203	ESTABLISHING TURF


ITEM	DESCRIPTION
14646.10	MILLED-IN AUDIBLE ROADWAY DELINEATORS (MIARD)

- NOTES**
- 1) TACK COAT (ITEM 407.01) SHALL BE APPLIED TO ALL CONTACT SURFACES BETWEEN ALL HMA PAVEMENT LIFTS IMMEDIATELY PRIOR TO OVERLAYING.
 - 2) SEE GENERAL PLANS AND MISCELLANEOUS TABLES FOR GUIDE RAIL LOCATIONS AND TYPES.
 - 3) SUBGRADE IS PARALLEL TO THE PAVEMENT SURFACE.
 - 4) INSIDE SHOULDER TRANSITIONS FROM 2% OUTWARD TO 2% INWARD FROM STA. SR5 2+343 TO STA. SR5 2+346. SHOULDER TRANSITIONS FROM 2% TO 6% FROM STA. SR5 2+855 TO STA. SR5 2+865 AND REMAINS 6% UNTIL TRANSITIONING BACK FROM STA. SR5 3+218 STA. TO SR5 3+228.
 - 5) INSIDE SHOULDER & INSIDE TRAVEL LANE CROSS SLOPE IS 2% OUTWARD FROM PROJECT BEGINNING UNTIL SUPERELEVATION ROLLOVER AT STA. SR5 2+343. INSIDE SHOULDER & INSIDE TRAVEL LANE CROSS SLOPE TRANSITIONS BACK TO 2% OUTWARD FROM STA. SR5 5+300 TO STA. SR5 5+341 (SEE PROFILE).

ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED


AS BUILT REVISIONS

No


 SIGNATURE DATE 5-1-12

TYPICAL SECTIONS
ROUTE 5

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
REGION 5


PB AMERICAS, INC.

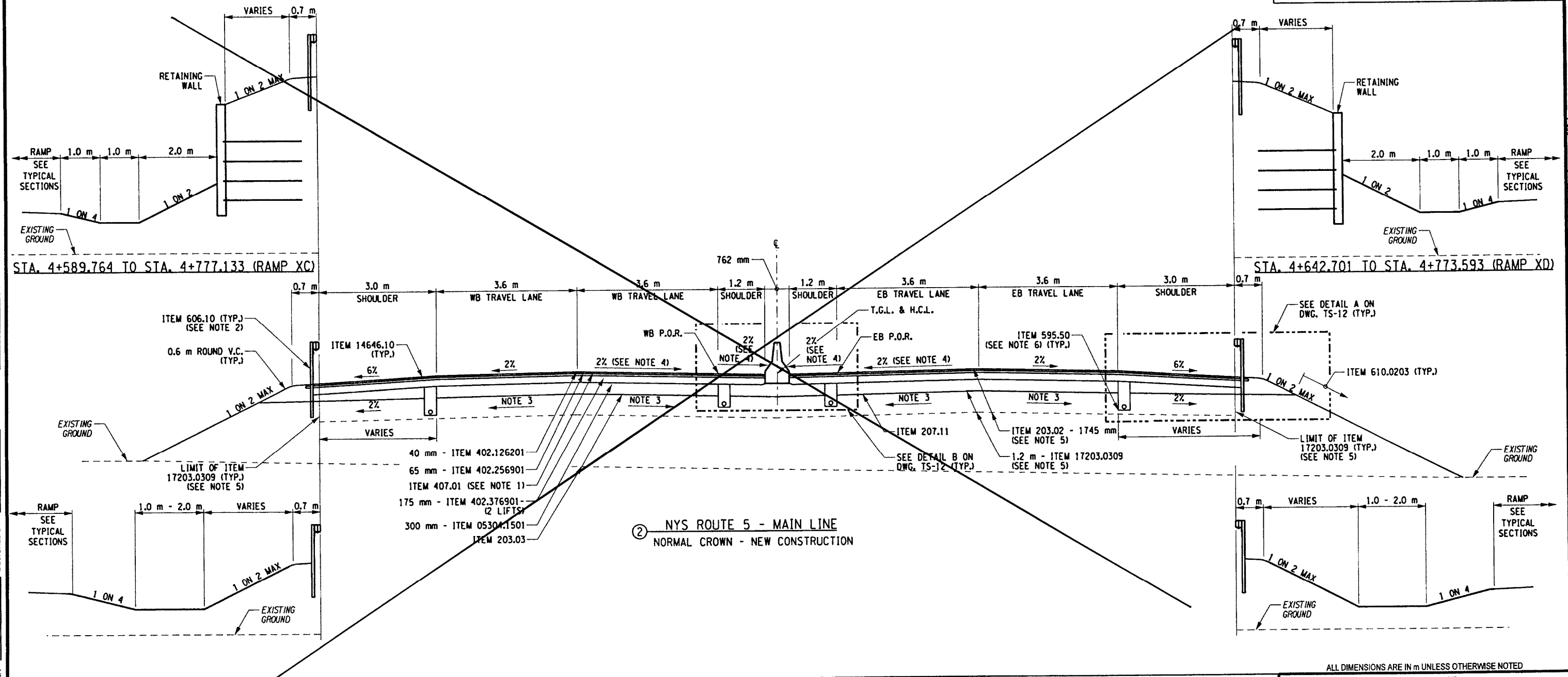
DATE	DRAWING NO.
12/31/09	TS-1

FILE: c:\program files\beutley\workspace\systemtables\penav8_sysdot.tbl PLOTTED BY: meclina

FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	8	940
P.I.N. 5044.01		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD, FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				

CHECKED BY J. GEASLING
 DRAFTED BY I. MALCZEWSKI
 ESTIMATED BY G. GONZALEZ
 CHECKED BY J. HUBERT
 DESIGNED BY J. GEASLING
 JOB MANAGER J. HUBERT
 DESIGN SUPERVISOR J. HUBERT

DATE: 9/8/2007 8:59:40 AM
 FILE: g:\nydot\cadd\revisado\barca_plott\8_plott\8_plott.dgn
 PLOTTED BY: barca




ITEM	DESCRIPTION	ITEM	DESCRIPTION	NOTES
203.02	UNCLASSIFIED EXCAVATION	595.50	SHEET MEMBRANE WATERPROOFING	1) TACK COAT (ITEM 407.01) SHALL BE APPLIED TO ALL CONTACT SURFACES BETWEEN ALL HMA PAVEMENT LIFTS IMMEDIATELY PRIOR TO OVERLAYING. 2) SEE GENERAL PLANS AND MISCELLANEOUS TABLES FOR GUIDE RAIL LOCATIONS AND TYPES. 3) SUBGRADE IS PARALLEL TO THE PAVEMENT SURFACE. 4) INSIDE SHOULDER & INSIDE TRAVEL LANE CROSS SLOPE TRANSITIONS TO 2% OUTWARD FROM STA. 5+300 TO STA. 5+341 (SEE PROFILE). 5) THESE ITEMS ONLY APPLY BETWEEN EXISTING ABUTMENT WALLS OF SERVICE ROAD "D" OVERPASS. SEE DWG. MPT-5A FOR STAGING OF PLACEMENT. 6) LINE INTERFACE BETWEEN UNDERDRAIN TRENCH AND LIGHTWEIGHT CONCRETE FILL WITH WATERPROOFING MEMBRANE.
17203.0309	LIGHTWEIGHT CONCRETE FILL (TYPE B)	606.10	BOX BEAM GUIDE RAILING	
203.03	EMBANKMENT IN PLACE	610.0203	ESTABLISHING TURF	
207.11	GEOTEXTILE SEPARATION	14646.10	MILLED-IN AUDIBLE ROADWAY DELINEATORS (MIARD)	
05304.1501	SUBBASE COURSE, OPTIONAL TYPE (MODIFIED)			
402.126201	12.5 mm F2, SUPERPAVE HMA, 60 SERIES COMPACTION			
402.256901	25.0 mm F9, SUPERPAVE HMA, 60 SERIES COMPACTION			
402.376901	37.5 mm F9, SUPERPAVE HMA, 60 SERIES COMPACTION			
407.01	TACK COAT			

ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED

AS BUILT REVISIONS

Drawing Superseded By Sh No 5F1


 SIGNATURE DATE 5-1-12

TYPICAL SECTIONS
ROUTE 5

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
REGION 5

PB AMERICAS, INC.	DATE 09/07/07	DRAWING NO. TS-2
--------------------------	------------------	---------------------

J. HUBERT DESIGN SUPERVISOR J. HUBERT JOB MANAGER J. HUBERT DESIGNED BY J. GEASLING CHECKED BY J. HUBERT ESTIMATED BY C. GONZALEZ DRAFTED BY T. MALCZEWSKI CHECKED BY J. GEASLING

FED ROAD REG NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	5F1	940
P.I.N. 5044.01		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD, FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				

FIELD CHANGE

THIS SHEET SUPERSEDES SHEET 5.

NOTE: THIS SHEET REPRESENTS REVISIONS TO THE PS&E DRAWINGS DATED 09/07/07. THESE FIELD CHANGE SHEETS ARE NECESSARY DUE TO DESIGN CHANGES INTRODUCED AFTER THE PROJECT WAS AWARDED. CHANGES TO THIS SHEET INCLUDE DELETION OF THE TYPICAL SECTION. SEE SHEET 2 FOR APPROVAL.

N.I.C

ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED

AS BUILT REVISIONS

Typical Section Eliminated

J. Geasling SIGNATURE 5-1-12 DATE

TYPICAL SECTIONS
ROUTE 5

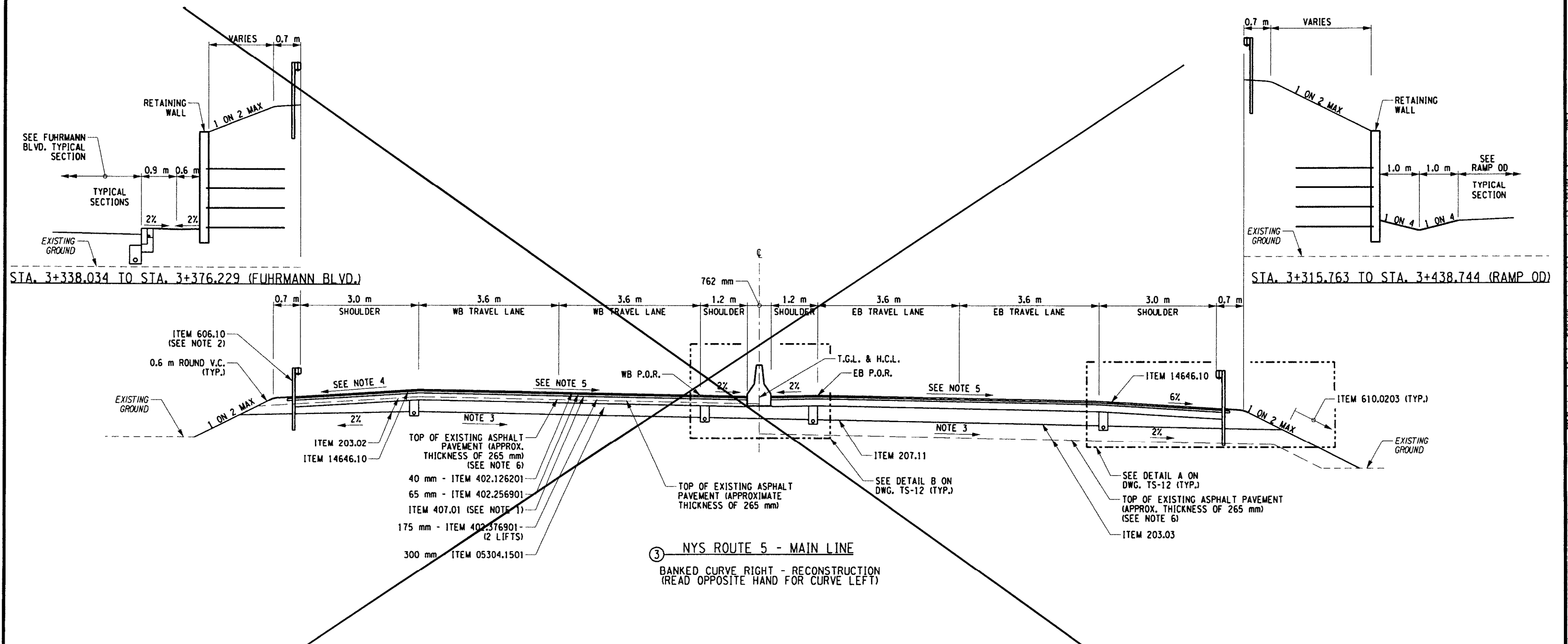
STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
REGION 5

PB AMERICAS, INC. DATE 12/31/09 DRAWING NO. TS-2

FILE: C:\Program Files\Bentley\Workspace\system\tables\peniv8_bysdo.tbl PLOTTED BY: meclama FILE: c:\yso\ocadd\region 5\0440\project\wy_highway_design\dwg\05F1-504401_cph_sec_5p1_002.dgn DATE: 7/8/2010 2:14:14 PM

DESIGN SUPERVISOR J. HUBERT
 JOB MANAGER J. HUBERT
 DESIGNED BY J. GEASLING
 CHECKED BY J. HUBERT
 ESTIMATED BY C. GONZALEZ
 DRAFTED BY I. MALCZEVSKI
 CHECKED BY J. GEASLING

FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	6	940
P.I.N. 5044.01		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD, FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				



③ NYS ROUTE 5 - MAIN LINE
 BANKED CURVE RIGHT - RECONSTRUCTION
 (READ OPPOSITE HAND FOR CURVE LEFT)

ITEM	DESCRIPTION	ITEM	DESCRIPTION	NOTES
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	606.10	BOX BEAM GUIDE RAILING	1) TACK COAT (ITEM 407.01) SHALL BE APPLIED TO ALL CONTACT SURFACES BETWEEN ALL HMA PAVEMENT LIFTS IMMEDIATELY PRIOR TO OVERLAYING. 2) SEE GENERAL PLANS AND MISCELLANEOUS TABLES FOR GUIDE RAIL LOCATIONS AND TYPES. 3) SUBGRADE IS PARALLEL TO THE PAVEMENT. 4) WHEN SUPERELEVATION IS GREATER THAN 2% SLOPE VARIES. USE MAXIMUM ROLL-OVER OF 8% AT PAVEMENT-SHOULDER JOINT. 5) SEE PROFILE FOR RATE OF SUPERELEVATION. 6) WHERE PROPOSED SUBGRADE IS BELOW OR WITHIN EXISTING PAVEMENT, THE EXISTING 265 mm± ASPHALT AND/OR CONCRETE PAVEMENT SHALL BE REMOVED IN ITS ENTIRETY UNDER ITEM 203.02. WHERE APPLICABLE THE VOID REMAINING SHALL BE FILLED USING ITEM 203.03 7) INSIDE SHOULDER & TRAVEL LANE CROSS SLOPE IS 2% OUTWARD FROM PROJECT TERMINUS & TRANSITIONS TO 2% INWARD AT STA. 2+920 (SEE PROFILE).
203.03	EMBANKMENT IN PLACE	610.0203	ESTABLISHING TURF	
207.11	GEOTEXTILE SEPARATION	14646.10	MILLED-IN AUDIBLE ROADWAY DELINEATORS (MIARD)	
05304.1501	SUBBASE COURSE, OPTIONAL TYPE (MODIFIED)			
402.126201	12.5 mm F2, SUPERPAVE HMA, 60 SERIES COMPACTION			
402.256901	25.0 mm F9, SUPERPAVE HMA, 60 SERIES COMPACTION			
402.376901	37.5 mm F9, SUPERPAVE HMA, 60 SERIES COMPACTION			
407.01	TACK COAT			

ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED

AS BUILT REVISIONS

Drawing Superseded By Sh No *6F1*

Adrian Z... SIGNATURE 5-1-12 DATE

TYPICAL SECTIONS
ROUTE 5

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
REGION 5

PB AMERICAS, INC. DATE 09/07/07 DRAWING NO. TS-3

FILE: g:\nydot\cadd\region 5\31440\project\roy_highway_design\dwg\04401_cpb_sec.typ PLOTTED BY: McClainA

DESIGN SUPERVISOR J. HUBERT JOB MANAGER J. HUBERT DESIGNED BY J. GEASLING CHECKED BY J. HUBERT ESTIMATED BY C. GONZALEZ DRAFTED BY I. MALCZEWSKI CHECKED BY J. GEASLING

FED ROAD REG NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	6F1	940
P.I.N. 5044.01		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD, FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				

N.I.C

FIELD CHANGE

THIS SHEET SUPERSEDES SHEET 5.

NOTE: THIS SHEET REPRESENTS REVISIONS TO THE PS&E DRAWINGS DATED 09/07/07. THESE FIELD CHANGE SHEETS ARE NECESSARY DUE TO DESIGN CHANGES INTRODUCED AFTER THE PROJECT WAS AWARDED. CHANGES TO THIS SHEET INCLUDE DELETION OF THE TYPICAL SECTION. SEE SHEET 2 FOR APPROVAL.

ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED

AS BUILT REVISIONS

Typical Section Eliminated

[Signature] *5-1-11*

SIGNATURE DATE

TYPICAL SECTIONS
ROUTE 5



STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
REGION 5

PB AMERICAS, INC.	DATE 12/31/09	DRAWING NO. TS-3
--------------------------	------------------	---------------------

FILE: c:\program files\Bentley\Workspace\system\tables\peniv8_bysdo.tbl PLOTTED BY: mecliana DATE: 7/8/2010 2:11:43 PM

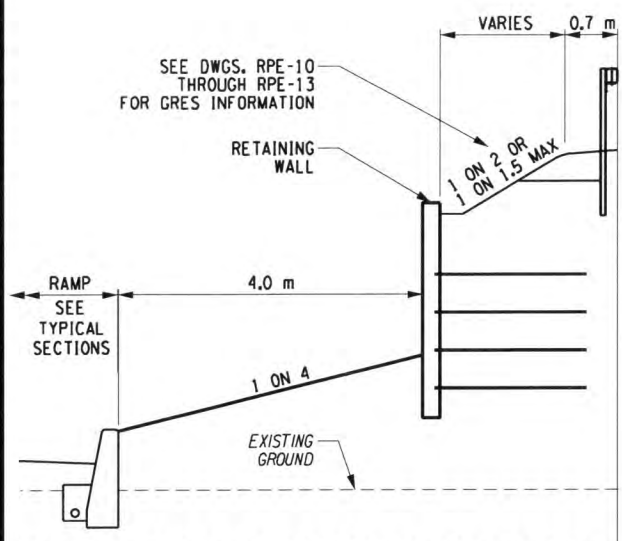
DESIGN SUPERVISOR J. HUBERT
 JOB MANAGER J. HUBERT
 DESIGNED BY J. GEASLING
 CHECKED BY J. HUBERT
 ESTIMATED BY C. GONZALEZ
 DRAFTED BY T. MALCZEWSKI
 CHECKED BY J. GEASLING

FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	7F1	940
P.I.N. 5044.01		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD, FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				

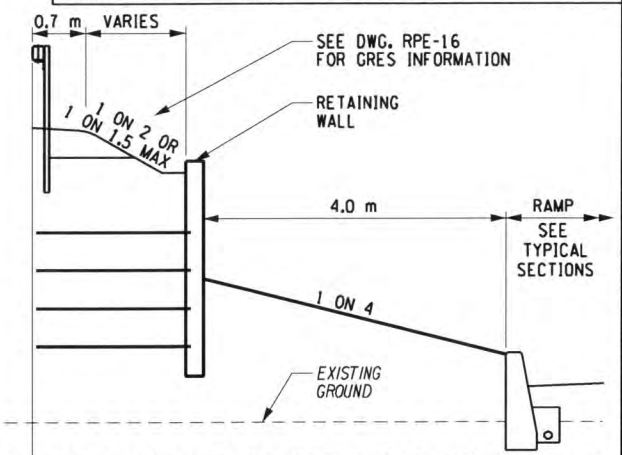
FIELD CHANGE

THIS SHEET SUPERSEDES SHEET 7.

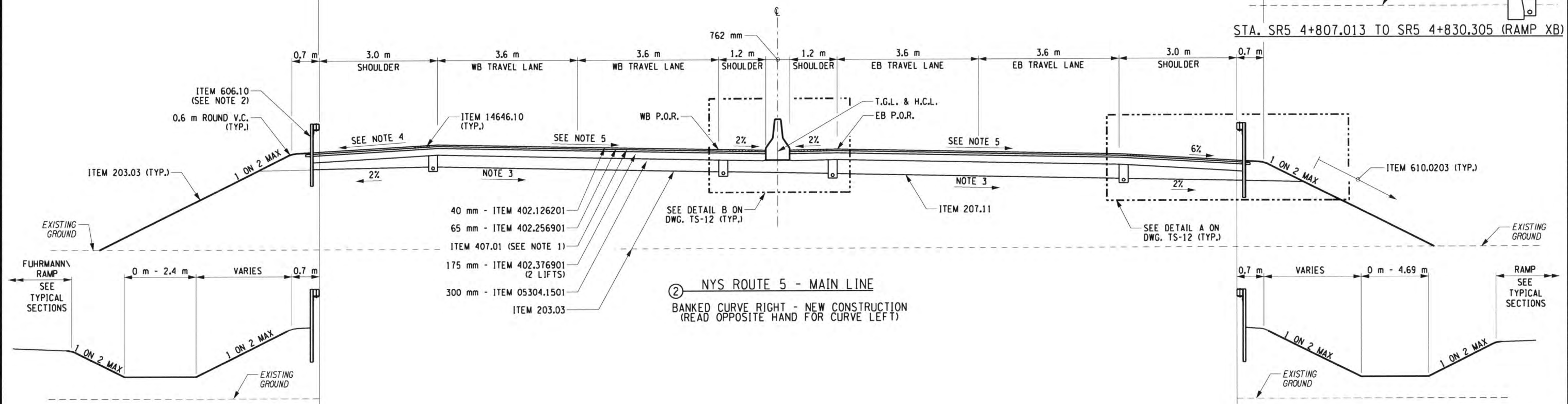
NOTE: THIS SHEET REPRESENTS REVISIONS TO THE PS&E DRAWINGS DATED 09/07/07. THESE FIELD CHANGE SHEETS ARE NECESSARY DUE TO DESIGN CHANGES INTRODUCED AFTER THE PROJECT WAS AWARDED. CHANGES TO THIS SHEET INCLUDE MODIFICATIONS TO THE TYPICAL SECTION(S). SEE SHEET 2 FOR APPROVAL.



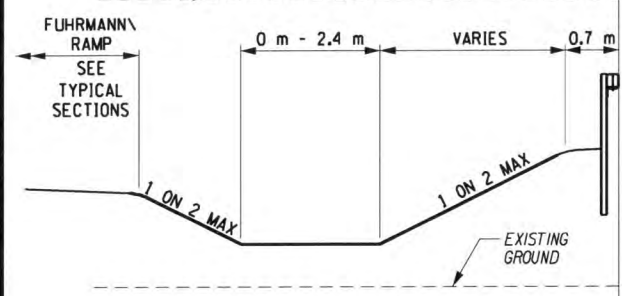
STA. SR5 4+802.081 TO SR5 4+940.849 (RAMP XA)



STA. SR5 4+807.013 TO SR5 4+830.305 (RAMP XB)



② NYS ROUTE 5 - MAIN LINE
 BANKED CURVE RIGHT - NEW CONSTRUCTION
 (READ OPPOSITE HAND FOR CURVE LEFT)

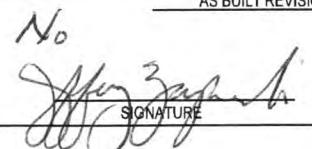


STA. SR5 3+501.278 TO SR5 3+508.993

ITEM	DESCRIPTION
203.03	EMBANKMENT IN PLACE
207.11	GEOTEXTILE SEPARATION
05304.1501	SUBBASE COURSE, OPTIONAL TYPE (MODIFIED)
402.126201	12.5 mm F2, SUPERPAVE HMA, 60 SERIES COMPACTION
402.256901	25.0 mm F9, SUPERPAVE HMA, 60 SERIES COMPACTION
402.376901	37.5 mm F9, SUPERPAVE HMA, 60 SERIES COMPACTION
407.01	TACK COAT
606.10	BOX BEAM GUIDE RAILING
610.0203	ESTABLISHING TURF
14646.10	MILLED-IN AUDIBLE ROADWAY DELINEATORS (MIARD)

NOTES
1) TACK COAT (ITEM 407.01) SHALL BE APPLIED TO ALL CONTACT SURFACES BETWEEN ALL HMA PAVEMENT LIFTS IMMEDIATELY PRIOR TO OVERLAYING.
2) SEE GENERAL PLANS AND MISCELLANEOUS TABLES FOR GUIDE RAIL LOCATIONS AND TYPES.
3) SUBGRADE IS PARALLEL TO THE PAVEMENT.
4) WHEN SUPERELEVATION IS GREATER THAN 2% SLOPE VARIES. USE MAXIMUM ROLL-OVER OF 8% AT PAVEMENT-SHOULDER JOINT.
5) SEE PROFILE FOR RATE OF SUPERELEVATION.


ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED
AS BUILT REVISIONS


 SIGNATURE

5-1-12
 DATE

TYPICAL SECTIONS
ROUTE 5

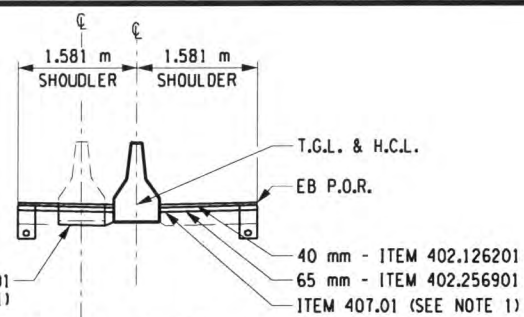
STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
REGION 5


PB AMERICAS, INC.

DATE	DRAWING NO.
12/31/09	TS-4

FILE: t:\nys\unclad\region3\5044\proj\casny_highway_design\dm007f504401_cph_sec_by_004.dgn
 PLOTTED BY: mclatun

DESIGN SUPERVISOR J. HUBERT
 JOB MANAGER J. HUBERT
 DESIGNED BY J. GEASLING
 CHECKED BY J. HUBERT
 ESTIMATED BY C. GONZALEZ
 DRAFTED BY T. MALCZEWSKI
 CHECKED BY J. GEASLING



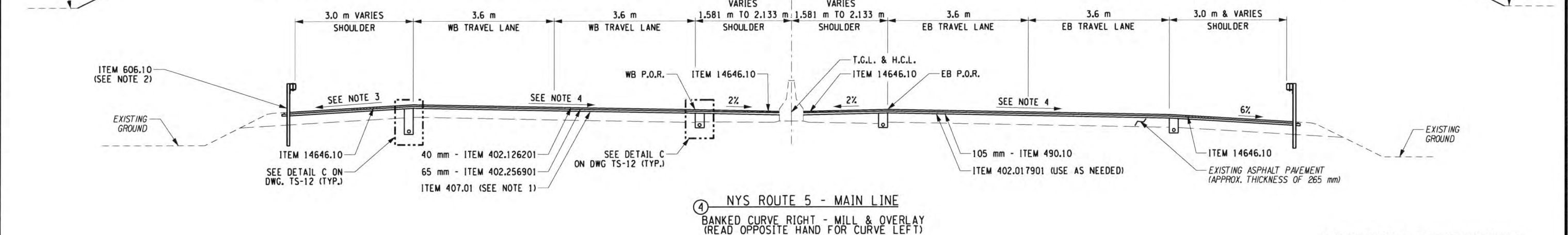
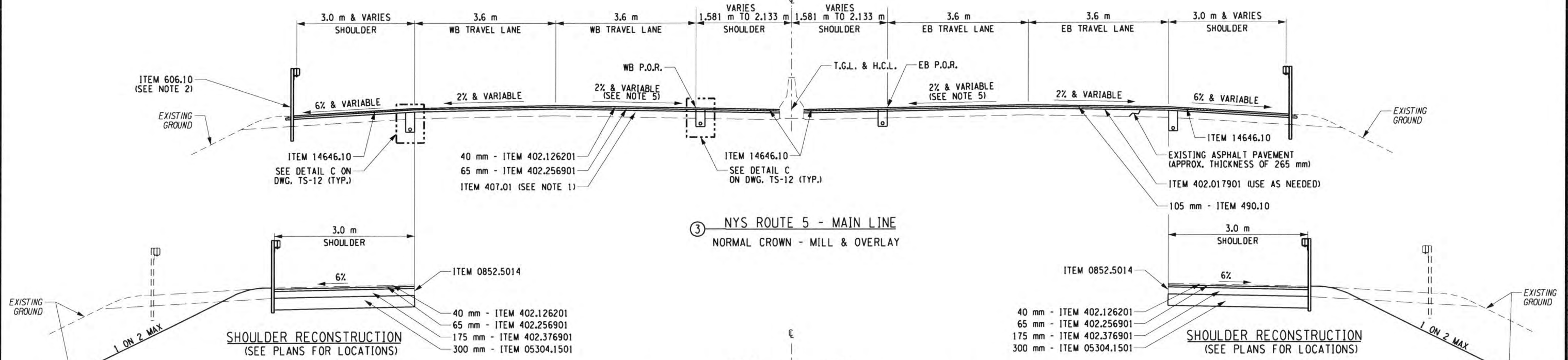
FIELD CHANGE

THIS SHEET SUPERSEDES SHEET 8.

NOTE: THIS SHEET REPRESENTS REVISIONS TO THE PS&E DRAWINGS DATED 09/07/07. THESE FIELD CHANGE SHEETS ARE NECESSARY DUE TO DESIGN CHANGES INTRODUCED AFTER THE PROJECT WAS AWARDED. CHANGES TO THIS SHEET INCLUDE MODIFICATIONS TO THE TYPICAL SECTIONS). SEE SHEET 2 FOR APPROVAL.

FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	8F1	940
P.I.N. 5044.01		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD, FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				

STA. SR5 2+239.734 TO STA. SR5 2+350



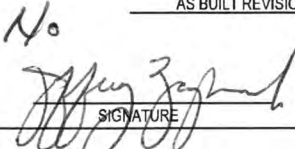
ITEM	DESCRIPTION	ITEM	DESCRIPTION
05304.1501	SUBBASE COURSE, OPTIONAL TYPE (MODIFIED)		
402.017901	TRUING LEVELING F9, SUPERPAVE HMA, 70 SERIES COMPACTION		
402.126201	12.5 mm F2, SUPERPAVE HMA, 60 SERIES COMPACTION		
402.256901	25.0 mm F9, SUPERPAVE HMA, 60 SERIES COMPACTION		
402.376901	37.5 mm F9, SUPERPAVE HMA, 60 SERIES COMPACTION		
407.01	TACK COAT		
490.10	PRODUCTION COLD MILLING OF BITUMINOUS CONCRETE		
606.10	BOX BEAM GUIDE RAILING		
14646.10	MILLED-IN AUDIBLE ROADWAY DELINEATORS (MIARD)		

- NOTES**
- 1) TACK COAT (ITEM 407.01) SHALL BE APPLIED TO ALL CONTACT SURFACES BETWEEN ALL HMA PAVEMENT LIFTS IMMEDIATELY PRIOR TO OVERLAYING.
 - 2) SEE GENERAL PLANS AND MISCELLANEOUS TABLES FOR GUIDE RAIL LOCATIONS AND TYPES.
 - 3) WHEN SUPERELEVATION IS GREATER THAN 2% SLOPE VARIES. USE MAXIMUM ROLL-OVER OF 8% AT PAVEMENT-SHOULDER JOINT.
 - 4) SEE PROFILE FOR RATE OF SUPERELEVATION.
 - 5) INSIDE SHOULDER AND TRAVEL LANE CROSS SLOPE IS 2% OUTWARD FROM PROJECT BEGINNING (SEE PROFILES).

ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED

AS BUILT REVISIONS

No. 5-1-12


 SIGNATURE DATE

TYPICAL SECTIONS
ROUTE 5

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
REGION 5

PB AMERICAS, INC.

DATE 12/31/09 DRAWING NO. TS-5

FILE: c:\program files\Bentley\Workspace\System\tables\pen18_nysdot.tbl PLOTTED BY: mecliana

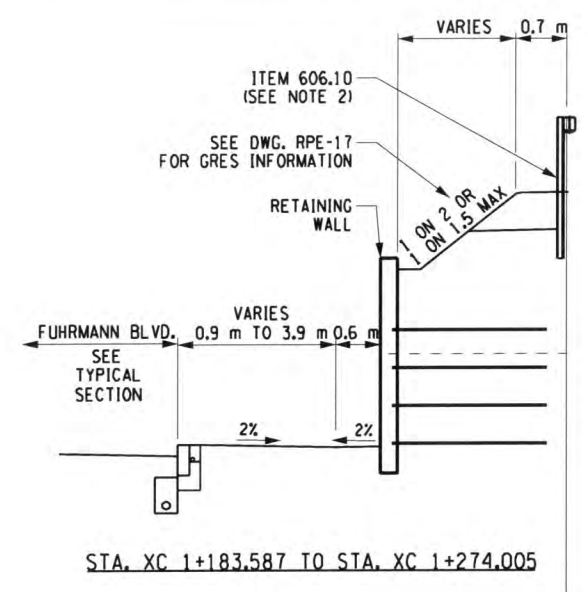
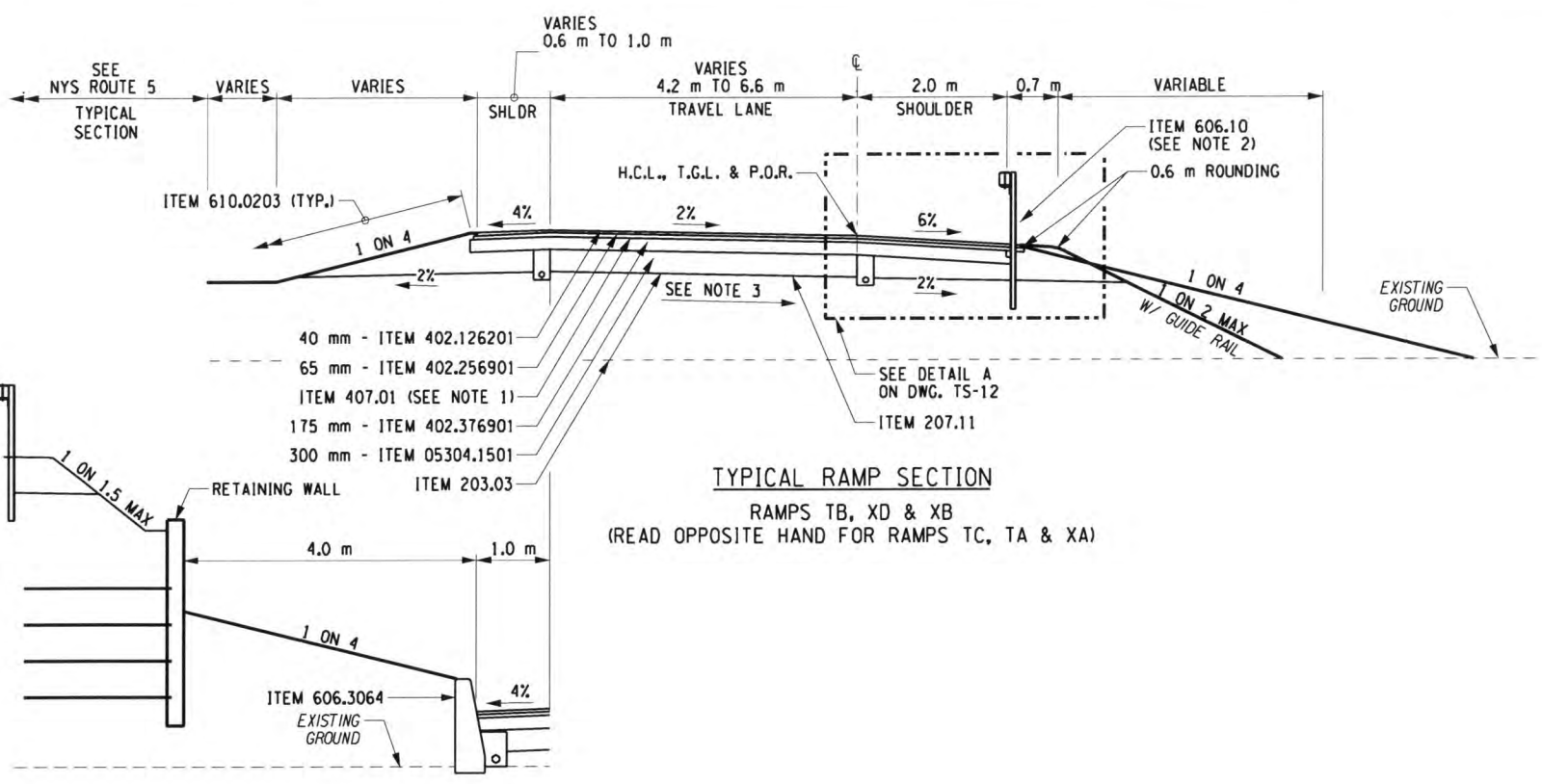
DESIGN SUPERVISOR J. HUBERT
 JOB MANAGER J. HUBERT
 DESIGNED BY J. GEASLING
 CHECKED BY J. HUBERT
 ESTIMATED BY C. GONZALEZ
 DRAFTED BY T. MALCZEWSKI
 CHECKED BY J. GEASLING

FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	9F1	940
P.I.N. 5044.01		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD., FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				

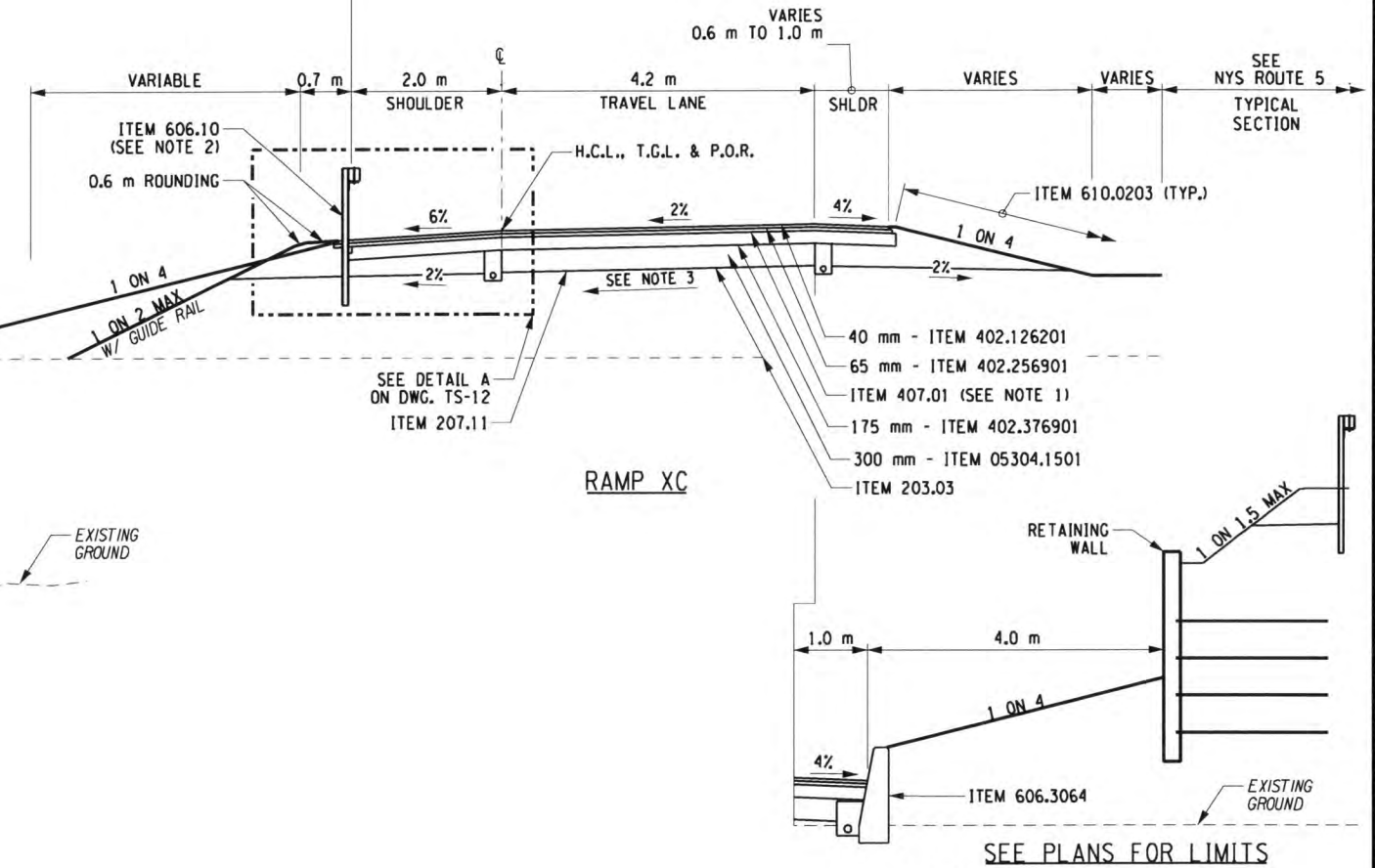
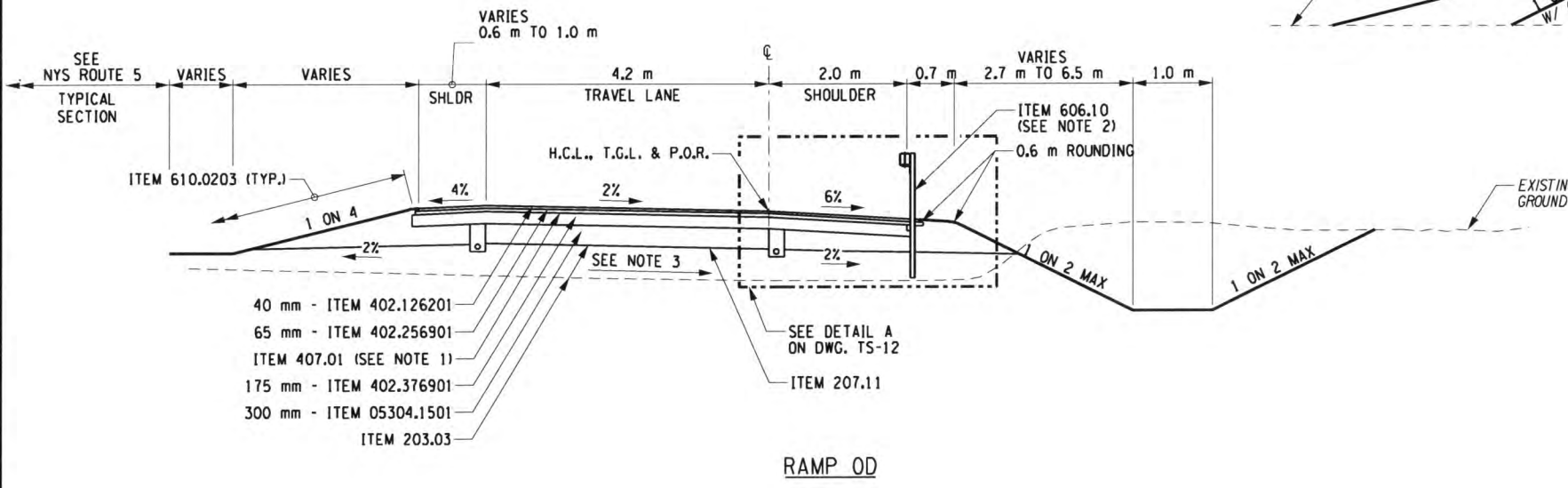
FIELD CHANGE

THIS SHEET SUPERSEDES SHEET 9.

NOTE: THIS SHEET REPRESENTS REVISIONS TO THE PS&E DRAWINGS DATED 09/07/07. THESE FIELD CHANGE SHEETS ARE NECESSARY DUE TO DESIGN CHANGES INTRODUCED AFTER THE PROJECT WAS AWARDED. CHANGES TO THIS SHEET INCLUDE MODIFICATIONS TO THE TYPICAL SECTION(S). SEE SHEET 2 FOR APPROVAL.



SEE PLANS FOR LIMITS



SEE PLANS FOR LIMITS

ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED

ITEM	DESCRIPTION	ITEM	DESCRIPTION
203.03	EMBANKMENT IN PLACE	610.0203	ESTABLISHING TURF
207.11	GEOTEXTILE SEPARATION		
05304.1501	SUBBASE COURSE, OPTIONAL TYPE (MODIFIED)		
402.126201	12.5 mm F2, SUPERPAVE HMA, 60 SERIES COMPACTION		
402.256901	25.0 mm F9, SUPERPAVE HMA, 60 SERIES COMPACTION		
402.376901	37.5 mm F9, SUPERPAVE HMA, 60 SERIES COMPACTION		
407.01	TACK COAT		
490.10	PRODUCTION COLD MILLING OF BITUMINOUS CONCRETE		
606.10	BOX BEAM GUIDE RAILING		
606.3064	SINGLE - SLOPE CONCRETE HALF SECTION BARRIER (MACHINE FORMED)		

- NOTES**
- TACK COAT (ITEM 407.01) SHALL BE APPLIED TO ALL CONTACT SURFACES BETWEEN ALL HMA PAVEMENT LIFTS IMMEDIATELY PRIOR TO OVERLAYING.
 - SEE GENERAL PLANS AND MISCELLANEOUS TABLES FOR GUIDE RAIL LOCATIONS AND TYPES.
 - SUBGRADE IS PARALLEL TO THE PAVEMENT SURFACE.

AS BUILT REVISIONS

No. *5-1-12*

SIGNATURE: *[Signature]* DATE: *5-1-12*

TYPICAL SECTIONS
ROUTE 5 RAMPS

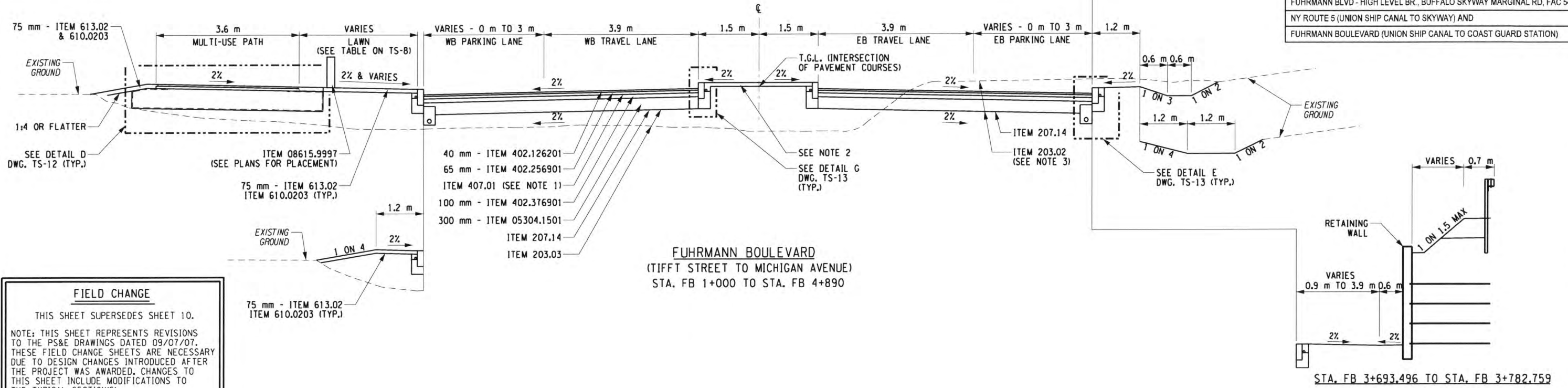
STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
REGION 5

PB AMERICAS, INC.	DATE 12/31/09	DRAWING NO. TS-6
-------------------	------------------	---------------------

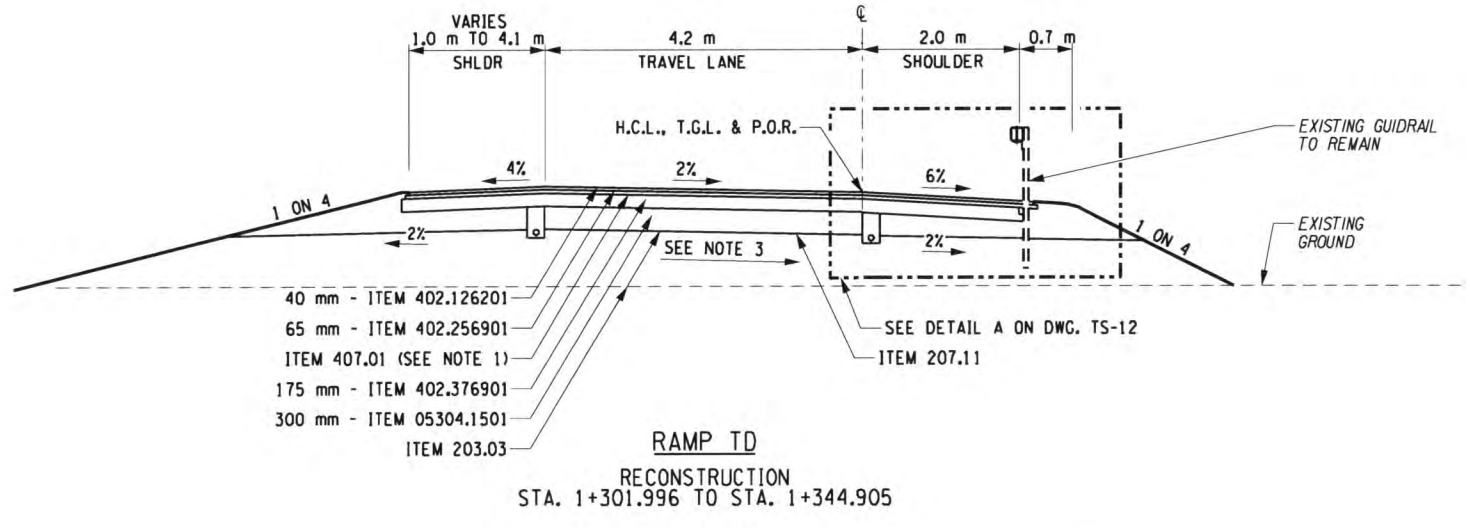
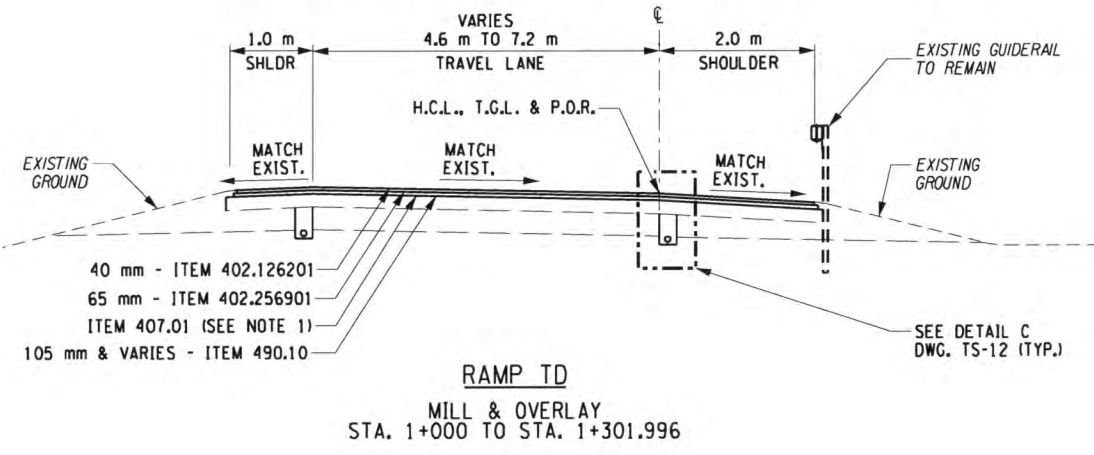
FILE: c:\program files\Bentley\Workspace\systemtables\pen18_pysdout.tbl PLOTTED BY: meclanar
 FILE: c:\msdtdraw\region 5\0440\project\proj_highway_design\dwg\009F504401_sph_sec_sps_wk.dgn
 DATE: 7/8/2010 2:11:47 PM

DESIGN SUPERVISOR J. HUBERT
 JOB MANAGER J. HUBERT
 DESIGNED BY J. GEASLING
 CHECKED BY J. HUBERT
 ESTIMATED BY C. GONZALEZ
 DRAFTED BY T. MALCZEWSKI
 CHECKED BY J. GEASLING

FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	10F1	940
P.I.N. 5044.01		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD, FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				



FIELD CHANGE
 THIS SHEET SUPERSEDES SHEET 10.
 NOTE: THIS SHEET REPRESENTS REVISIONS TO THE PS&E DRAWINGS DATED 09/07/07. THESE FIELD CHANGE SHEETS ARE NECESSARY DUE TO DESIGN CHANGES INTRODUCED AFTER THE PROJECT WAS AWARDED. CHANGES TO THIS SHEET INCLUDE MODIFICATIONS TO THE TYPICAL SECTIONS. SEE SHEET 2 FOR APPROVAL.



ITEM	DESCRIPTION	ITEM	DESCRIPTION	NOTES
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	1) TACK COAT (ITEM 407.01) SHALL BE APPLIED TO ALL CONTACT SURFACES BETWEEN ALL HMA PAVEMENT LIFTS IMMEDIATELY PRIOR TO OVERLAYING. 2) SEE LANDSCAPING DRAWINGS FOR FINISH TREATMENT. 3) WHERE PROPOSED SUBGRADE IS BELOW OR WITHIN EXISTING PAVEMENT, THE EXISTING 265 mm± ASPHALT AND/OR CONCRETE PAVEMENT SHALL BE REMOVED IN ITS ENTIRETY UNDER ITEM 203.02. WHERE APPLICABLE THE VOID REMAINING SHALL BE FILLED USING ITEM 203.03.
203.03	EMBANKMENT IN PLACE	610.0203	ESTABLISHING TURF	
207.14	GEOTEXTILE STABILIZATION	613.02	PLACING TOPSOIL - TYPE A	
05304.1501	SUBBASE COURSE, OPTIONAL TYPE (MODIFIED)	08615.9997	WOODEN BOLLARD	
402.126201	12.5 mm F2, SUPERPAVE HMA, 60 SERIES COMPACTION			
402.256901	25.0 mm F9, SUPERPAVE HMA, 60 SERIES COMPACTION			
402.376901	37.5 mm F9, SUPERPAVE HMA, 60 SERIES COMPACTION			
407.01	TACK COAT			

ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED

AS BUILT REVISIONS

No

[Signature] 5-1-12

SIGNATURE DATE

TYPICAL SECTIONS
 FUHRMANN BOULEVARD & RAMP TD

STATE OF NEW YORK
 DEPARTMENT OF TRANSPORTATION
 REGION 5

PB AMERICAS, INC. DATE 12/31/09 DRAWING NO. TS-7

FILE: c:\penn\workspace\systems\tablespen\6_nysdot\bl1\plotted\by: mecliana
 DATE: 7/8/2010 2:11:59 PM

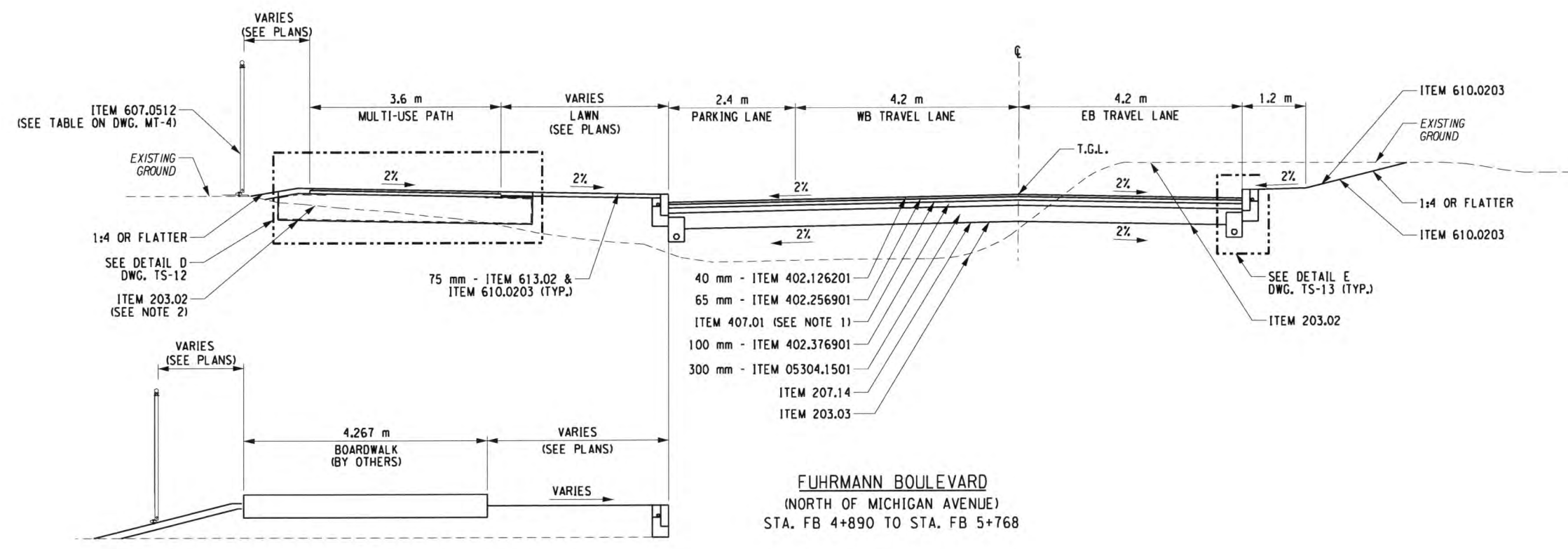
DESIGN SUPERVISOR J. HUBERT
 JOB MANAGER J. HUBERT
 DESIGNED BY J. GEASLING
 CHECKED BY J. HUBERT
 ESTIMATED BY C. GONZALEZ
 DRAFTED BY T. MALCZEWSKI
 CHECKED BY J. GEASLING

FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	11F1	940
P.I.N. 5044.01		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD, FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				

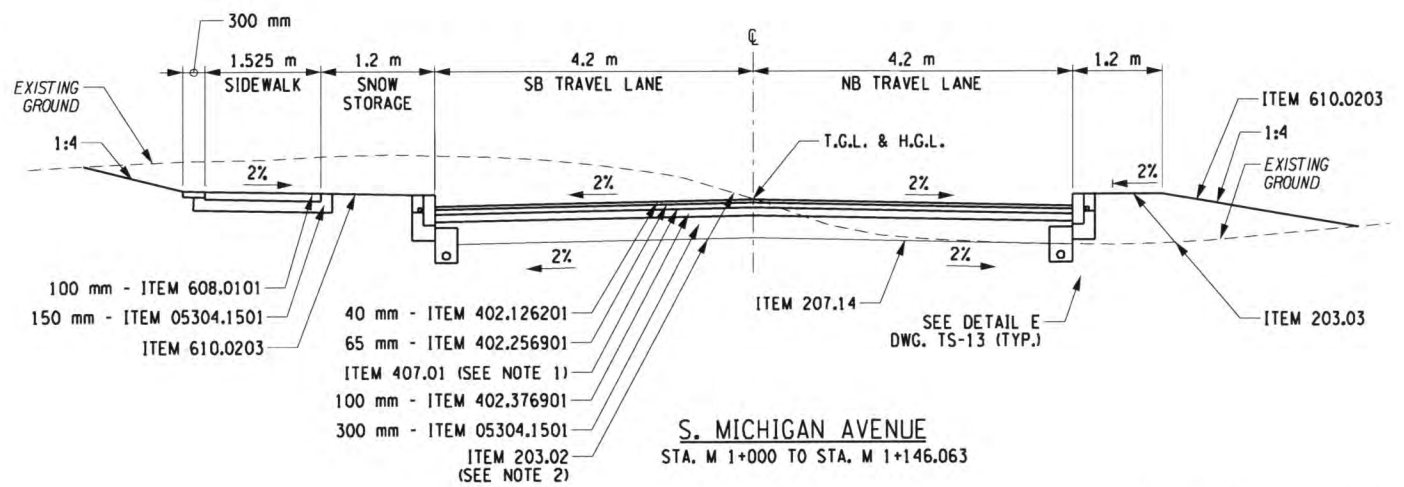
FIELD CHANGE

THIS SHEET SUPERSEDES SHEET 11.

NOTE: THIS SHEET REPRESENTS REVISIONS TO THE PS&E DRAWINGS DATED 09/07/07. THESE FIELD CHANGE SHEETS ARE NECESSARY DUE TO DESIGN CHANGES INTRODUCED AFTER THE PROJECT WAS AWARDED. CHANGES TO THIS SHEET INCLUDE MODIFICATIONS TO THE TYPICAL SECTION(S). SEE SHEET 2 FOR APPROVAL.



SEE PLANS FOR LIMITS




ITEM	DESCRIPTION	ITEM	DESCRIPTION	NOTES
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	607.0512	VINYL COATED STEEL FENCING, WITH TOP RAIL 1830 mm - GREEN	1) TACK COAT (ITEM 407.01) SHALL BE APPLIED TO ALL CONTACT SURFACES BETWEEN ALL HMA PAVEMENT LIFTS IMMEDIATELY PRIOR TO OVERLAYING. 2) WHERE PROPOSED SUBGRADE IS BELOW OR WITHIN EXISTING PAVEMENT, THE EXISTING 265 mm± ASPHALT AND/OR CONCRETE PAVEMENT SHALL BE REMOVED IN ITS ENTIRETY UNDER ITEM 203.02. WHERE APPLICABLE THE VOID SHALL BE FILLED USING ITEM 203.03. 3) SEE LANDSCAPING DWGS. FOR FINISH TREATMENT.
203.03	EMBANKMENT IN PLACE	610.0203	ESTABLISHING TURF	
207.14	GEOTEXTILE STABILIZATION	613.02	PLACING TOPSOIL - TYPE A	
05304.1501	SUBBASE COURSE, OPTIONAL TYPE (MODIFIED)			
402.126201	12.5 mm F2, SUPERPAVE HMA, 60 SERIES COMPACTION			
402.256901	25.0 mm F9, SUPERPAVE HMA, 60 SERIES COMPACTION			
402.376901	37.5 mm F9, SUPERPAVE HMA, 60 SERIES COMPACTION			
407.01	TACK COAT			

ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED

AS BUILT REVISIONS

No


 SIGNATURE DATE 5-1-12

TYPICAL SECTIONS
FUHRMANN BOULEVARD

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
REGION 5

PB AMERICAS, INC. DATE 12/31/09 DRAWING NO. TS-8

FILE: c:\pwork\cadd\region 5\0444\project\proj_highway_design\dwg\011F1-504401_cph_sec_typ_008.dgn
 PLOTTED BY: meclina

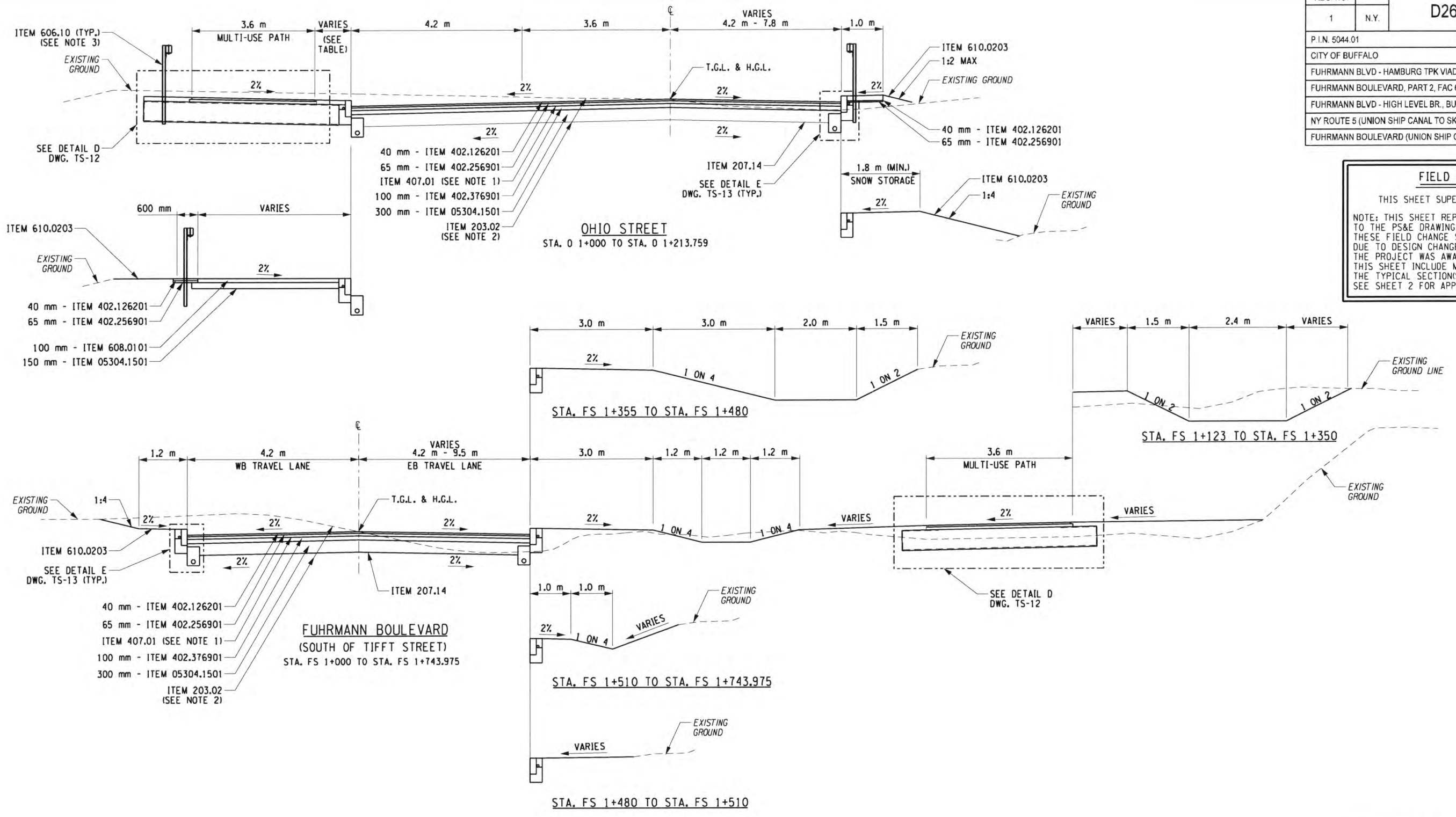
DESIGN SUPERVISOR J. HUBERT
 JOB MANAGER J. HUBERT
 DESIGNED BY J. GEASLING
 CHECKED BY J. HUBERT
 ESTIMATED BY C. GONZALEZ
 DRAFTED BY T. MALCZEWSKI
 CHECKED BY J. GEASLING

FED ROAD REG NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	12F1	940
P.I.N. 5044.01		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD., FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				

FIELD CHANGE

THIS SHEET SUPERSEDES SHEET 12.

NOTE: THIS SHEET REPRESENTS REVISIONS TO THE PS&E DRAWINGS DATED 09/07/07. THESE FIELD CHANGE SHEETS ARE NECESSARY DUE TO DESIGN CHANGES INTRODUCED AFTER THE PROJECT WAS AWARDED. CHANGES TO THIS SHEET INCLUDE MODIFICATIONS TO THE TYPICAL SECTION(S). SEE SHEET 2 FOR APPROVAL.



ITEM	DESCRIPTION	ITEM	DESCRIPTION
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	610.0203	ESTABLISHING TURF
203.03	EMBANKMENT IN PLACE	613.02	PLACING TOPSOIL, TYPE A
207.14	GEOTEXTILE STABILIZATION		
05304.1501	SUBBASE COURSE, OPTIONAL TYPE (MODIFIED)		
402.126201	12.5 mm F2, SUPERPAVE HMA, 60 SERIES COMPACTION		
402.256901	25.0 mm F9, SUPERPAVE HMA, 60 SERIES COMPACTION		
402.376901	37.5 mm F9, SUPERPAVE HMA, 60 SERIES COMPACTION		
407.01	TACK COAT		
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS		

NOTES

- TACK COAT (ITEM 407.01) SHALL BE APPLIED TO ALL CONTACT SURFACES BETWEEN ALL HMA PAVEMENT LIFTS IMMEDIATELY PRIOR TO OVERLAYING.
- WHERE PROPOSED SUBGRADE IS BELOW OR WITHIN THE TOP OF EXISTING PAVEMENT, EXISTING PAVEMENT SHALL BE REMOVED IN ITS ENTIRETY UNDER ITEM 203.02. WHERE APPLICABLE THE VOID REMAINING SHALL BE FILLED USING ITEM 203.03.
- SEE GENERAL PLANS & MISCELLANEOUS TABLES FOR GUIDERAIL LOCATIONS AND TYPES.

ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED

AS BUILT REVISIONS

No. *5-1-12*

[Signature] SIGNATURE DATE

TYPICAL SECTIONS
OHIO STREET & FUHRMANN BOULEVARD

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
REGION 5

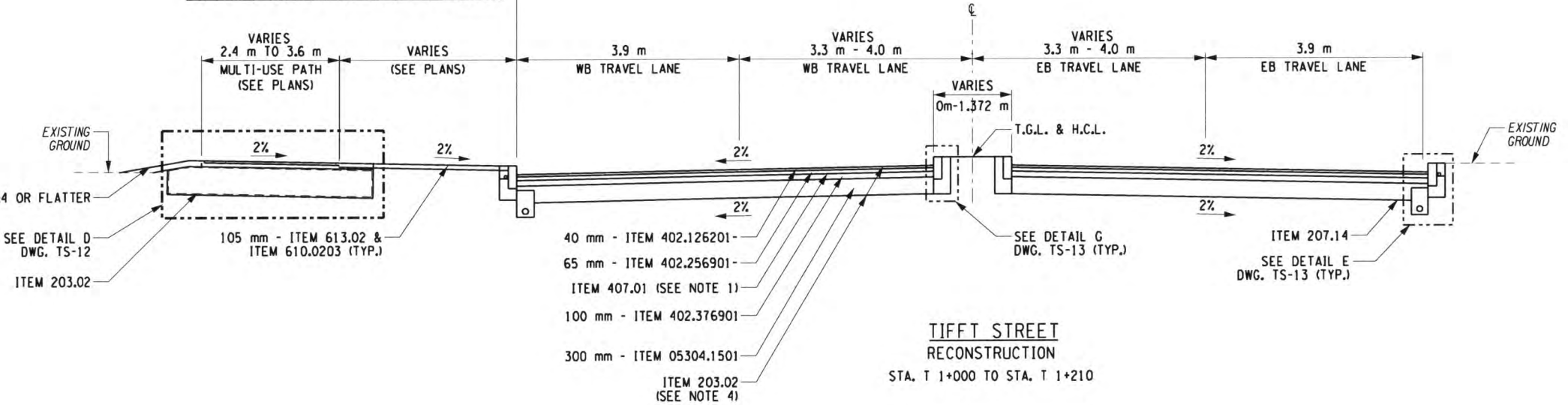
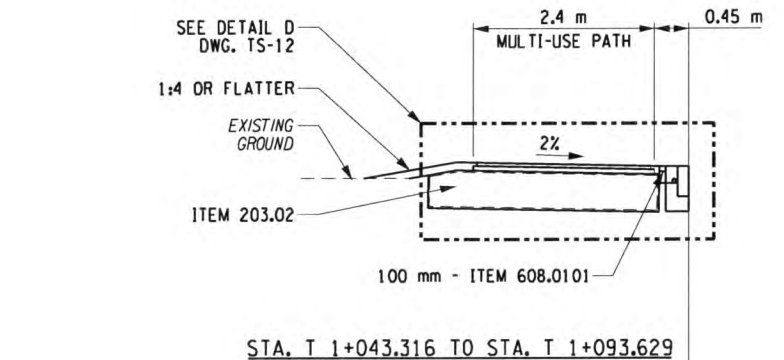
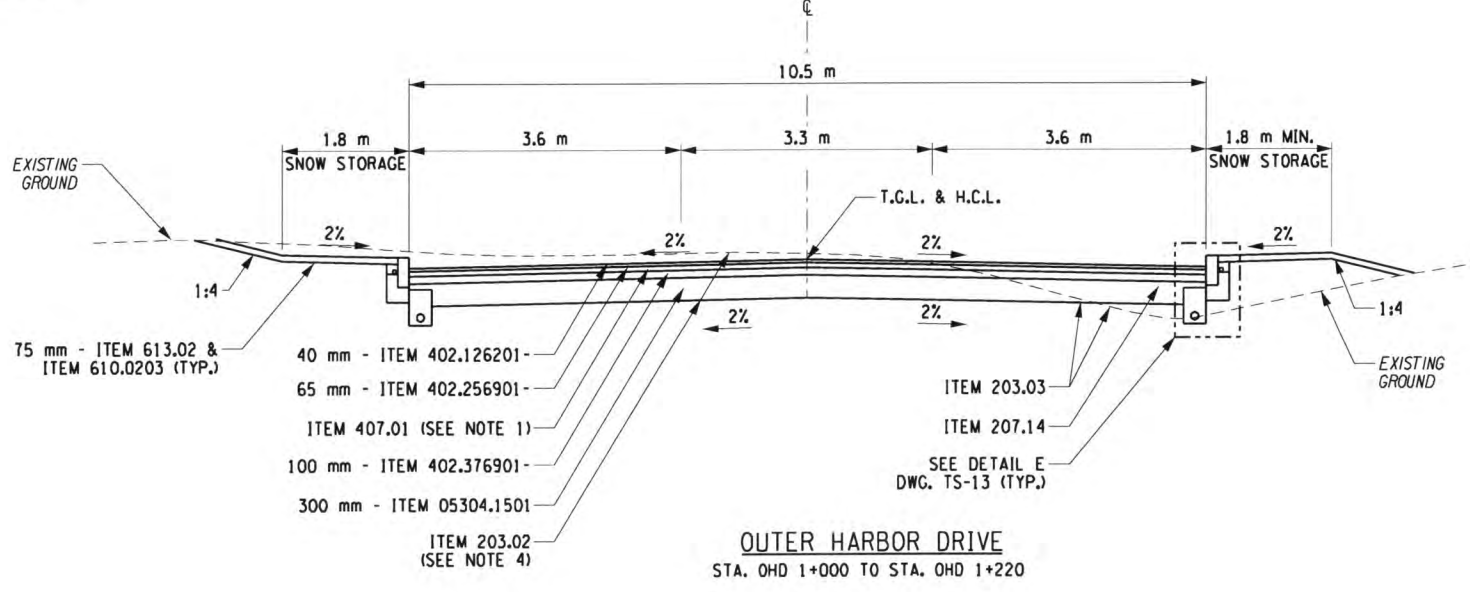
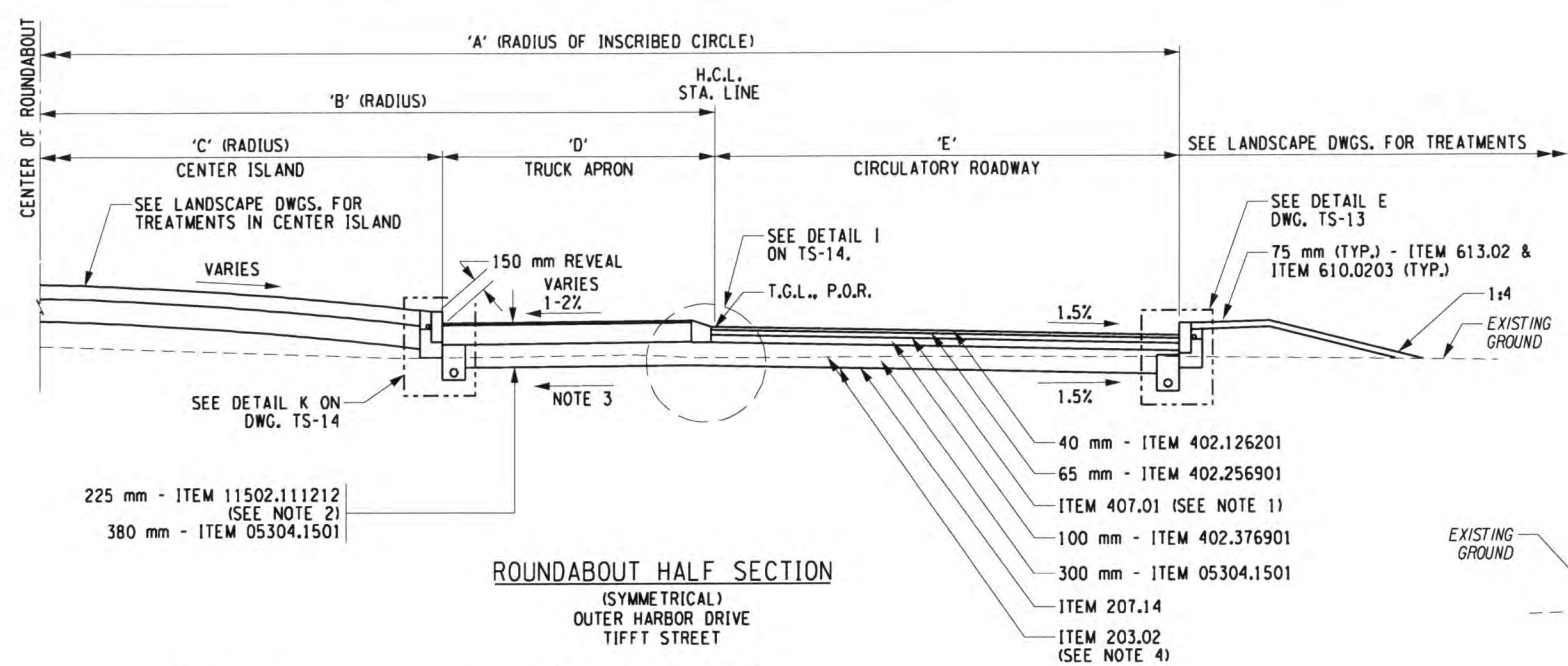
PB AMERICAS, INC.	DATE 12/31/09	DRAWING NO. TS-9
--------------------------	------------------	---------------------

FILE: c:\program files\Bentley\workspace\system\tables\pen\vs8_mysdot.tbl PLOTTED BY: mecliana

DESIGN SUPERVISOR J. HUBERT
 JOB MANAGER J. HUBERT
 DESIGNED BY J. GEASLING
 CHECKED BY J. HUBERT
 ESTIMATED BY C. GONZALEZ
 DRAFTED BY T. MALCZEWSKI
 CHECKED BY J. GEASLING

FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	13F1	940
P.I.N. 5044.01		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD, FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				

ROUNDAABOUT	A	B	C	D	E
OUTER HARBOR DRIVE	22.5	11.5	8.0	3.5	11.0
TIFFT STREET	22.5	11.5	8.0	3.5	11.0



FIELD CHANGE
 THIS SHEET SUPERSEDES SHEET 13.
 NOTE: THIS SHEET REPRESENTS REVISIONS TO THE PS&E DRAWINGS DATED 09/07/07. THESE FIELD CHANGE SHEETS ARE NECESSARY DUE TO DESIGN CHANGES INTRODUCED AFTER THE PROJECT WAS AWARDED. CHANGES TO THIS SHEET INCLUDE MODIFICATIONS TO THE TYPICAL SECTIONS. SEE SHEET 2 FOR APPROVAL.

ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED

ITEM	DESCRIPTION	ITEM	DESCRIPTION
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	608.0101	CONCRETE SIDEWALKS & DRIVEWAYS
203.03	EMBANKMENT IN PLACE	01609.0209	GRANITE CURB, TYPE T-100
207.14	GEOTEXTILE STABILIZATION	610.0203	ESTABLISHING TURF
05304.1501	SUBBASE COURSE, OPTIONAL TYPE (MODIFIED)	613.02	PLACING TOPSOIL - TYPE A
402.126201	12.5 mm F2, SUPERPAVE HMA, 60 SERIES COMPACTION		
402.256901	25.0 mm F9, SUPERPAVE HMA, 60 SERIES COMPACTION		
402.376901	37.5 mm F9, SUPERPAVE HMA, 60 SERIES COMPACTION		
407.01	TACK COAT		
11502.111212	MISCELLANEOUS PORTLAND CEMENT CONCRETE INLAYS AND OVERLAYS		

- NOTES**
- TACK COAT (ITEM 407.01) SHALL BE APPLIED TO ALL CONTACT SURFACES BETWEEN ALL HMA PAVEMENT LIFTS IMMEDIATELY PRIOR TO OVERLAYING.
 - REFER TO LANDSCAPE DRAWINGS FOR PROPOSED COLOR AND IMPRINT PATTERN OF THE TRUCK APRON CONCRETE PAVEMENT.
 - PAVEMENT SUBGRADE IS PARALLEL TO THE PAVEMENT SURFACE.
 - WHERE PROPOSED SUBGRADE IS BELOW OR WITHIN THE TOP OF EXISTING PAVEMENT, EXISTING PAVEMENT SHALL BE REMOVED IN ITS ENTIRETY UNDER ITEM 203.02. WHERE APPLICABLE THE VOID REMAINING SHALL BE FILLED USING ITEM 203.03.

AS BUILT REVISIONS

No

[Signature] 5-1-12
 SIGNATURE DATE

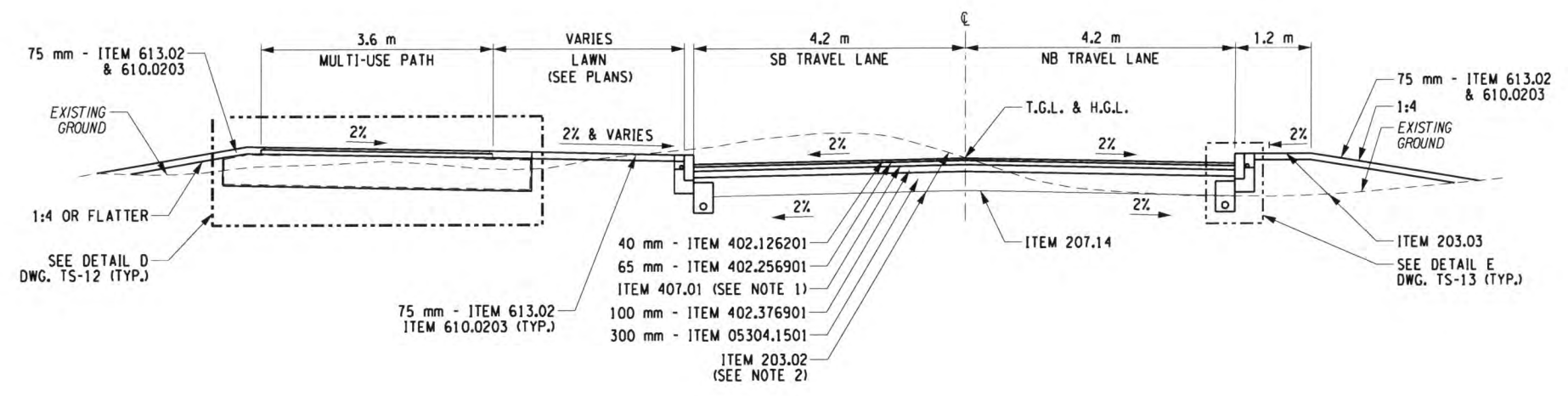
TYPICAL SECTIONS
 TIFFT STREET

STATE OF NEW YORK
 DEPARTMENT OF TRANSPORTATION
 REGION 5

PB AMERICAS, INC. DATE 12/31/09 DRAWING NO. TS-10

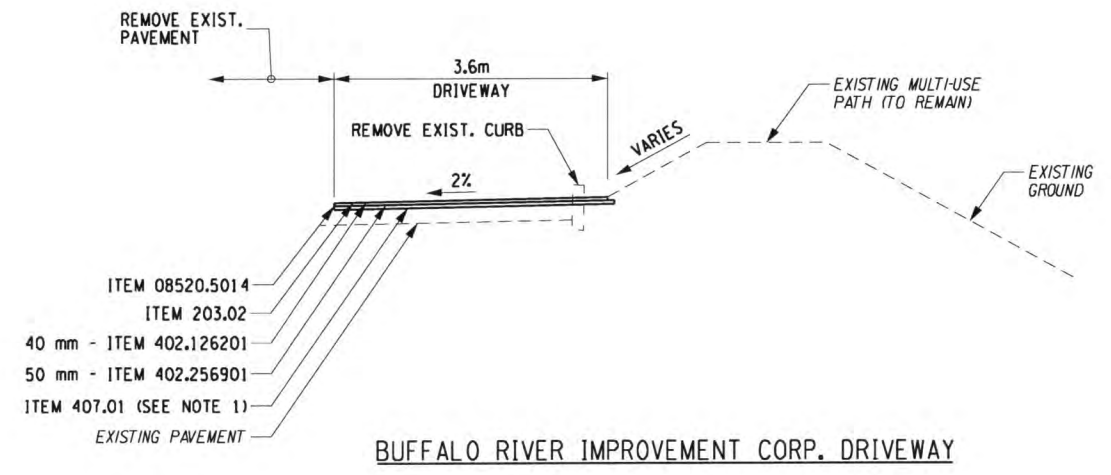
FILE: c:\p0440\project\highway_design\dwg\013f1\504401_cph_sec_typ_010.dgn
 PLOTTED BY: mclain

FED ROAD REG NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	14F1	940
P.I.N. 5044.01		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD, FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				

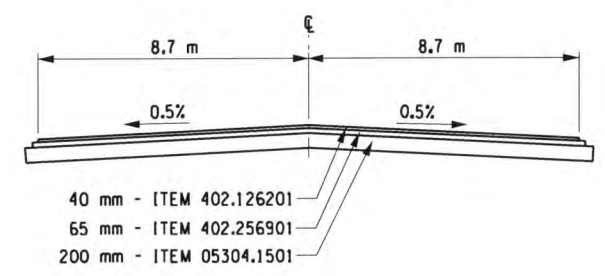


TIFFT NATURE PRESERVE
NEW CONSTRUCTION

FIELD CHANGE
THIS SHEET SUPERSEDES SHEET 14.
NOTE: THIS SHEET REPRESENTS REVISIONS TO THE PS&E DRAWINGS DATED 09/07/07. THESE FIELD CHANGE SHEETS ARE NECESSARY DUE TO DESIGN CHANGES INTRODUCED AFTER THE PROJECT WAS AWARDED. CHANGES TO THIS SHEET INCLUDE MODIFICATIONS TO THE TYPICAL SECTIONS. SEE SHEET 2 FOR APPROVAL.



BUFFALO RIVER IMPROVEMENT CORP. DRIVEWAY



PARKING LOT ON FUHRMANN BLVD,
(SEE DWG. ICP-13 FOR MORE INFORMATION)

ITEM	DESCRIPTION	ITEM	DESCRIPTION	NOTES
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	08520.5014	SAWCUTTING, ASPHALT PAVEMENT	1) TACK COAT (ITEM 407.01) SHALL BE APPLIED TO ALL CONTACT SURFACES BETWEEN ALL HMA PAYMENT LIFTS IMMEDIATELY PRIOR TO OVERLAYING.
203.03	EMBANKMENT IN PLACE	610.0203	ESTABLISHING TURF	
207.14	GEOTEXTILE STABILIZATION	613.02	PLACING TOPSOIL - TYPE A	2) WHERE PROPOSED SUBGRADE IS BELOW OR WITHIN THE TOP OF EXISTING PAVEMENT, EXISTING PAVEMENT SHALL BE REMOVED IN ITS ENTIRETY UNDER ITEM 203.02. WHERE APPLICABLE THE VOID REMAINING SHALL BE FILLED USING ITEM 203.03.
05304.1501	SUBBASE COURSE, OPTIONAL TYPE (MODIFIED)			
402.126201	12.5 mm F2, SUPERPAVE HMA, 60 SERIES COMPACTION			
402.256901	25.0 mm F9, SUPERPAVE HMA, 60 SERIES COMPACTION			
402.376901	37.5 mm F9, SUPERPAVE HMA, 60 SERIES COMPACTION			
407.01	TACK COAT			

ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED

AS BUILT REVISIONS
No
[Signature]
SIGNATURE
5-1-12
DATE

TYPICAL SECTIONS
TIFFT STREET & TIFFT NATURE PRESERVE

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
REGION 5

PB AMERICAS, INC. DATE 12/31/09 DRAWING NO. TS-11

DESIGN SUPERVISOR J. HUBERT JOB MANAGER J. HUBERT DESIGNED BY J. GEASLING CHECKED BY J. HUBERT ESTIMATED BY C. GONZALEZ DRAFTED BY T. MALCZEWSKI CHECKED BY J. GEASLING

PLOTTER BY: mcliana FILE: c:\Program Files\Bentley\Workspace\System\labies\peniv8_nysdot.tbl

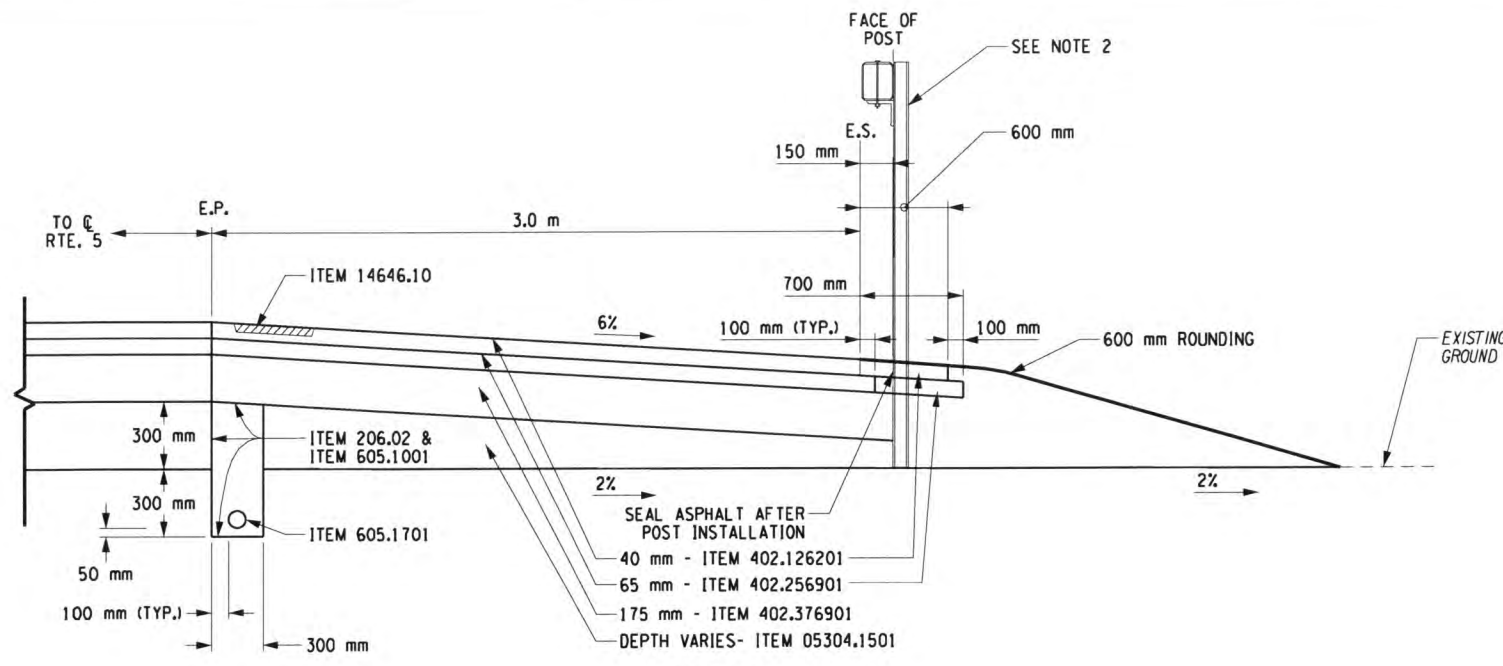
DESIGN SUPERVISOR J. HUBERT
 JOB MANAGER J. HUBERT
 DESIGNED BY J. GEASLING
 CHECKED BY J. HUBERT
 ESTIMATED BY J. HUBERT
 DRAFTED BY C. GONZALEZ
 CHECKED BY T. MALCZEWSKI
 J. GEASLING

FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	15F1	940
P.I.N. 5044.01		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD, FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				

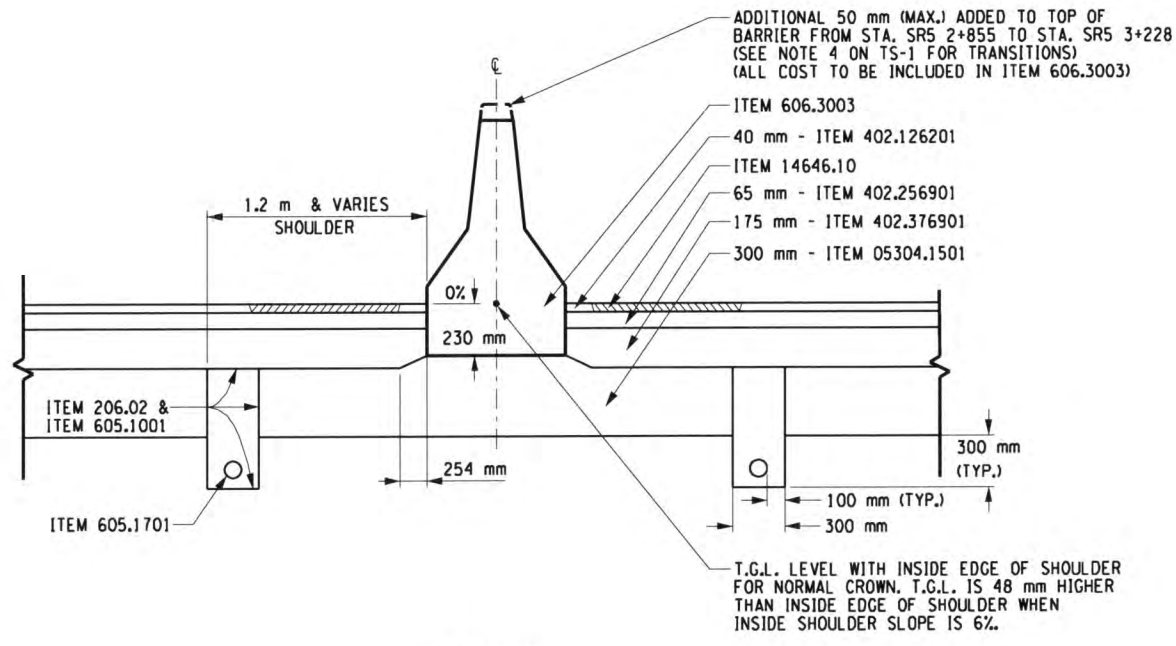
FIELD CHANGE

THIS SHEET SUPERSEDES SHEET 15F1.

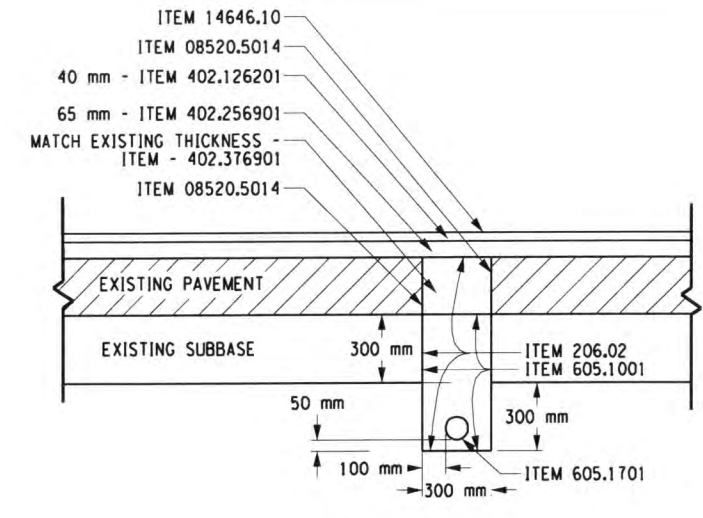
NOTE: THIS SHEET REPRESENTS REVISIONS TO THE PS&E DRAWINGS DATED 09/07/07. THESE FIELD CHANGE SHEETS ARE NECESSARY DUE TO DESIGN CHANGES INTRODUCED AFTER THE PROJECT WAS AWARDED. CHANGES TO THIS SHEET INCLUDE MODIFICATIONS TO THE BARRIER AND NOTES IN DETAIL B AND ADDITION OF DETAIL D1. SEE SHEET 2 FOR APPROVAL.



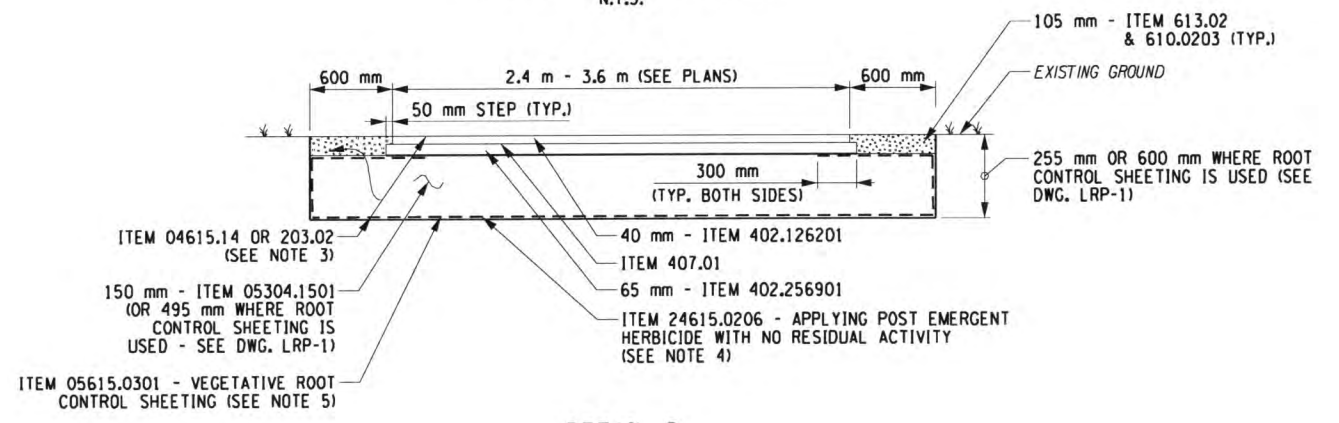
DETAIL A
UNDERDRAIN AND SHOULDER WITH AND WITHOUT GUIDE RAIL
N.T.S.



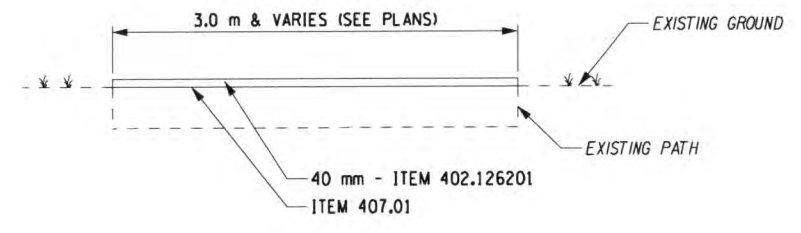
DETAIL B
UNDERDRAIN AND SHOULDER AT MEDIAN
N.T.S.



DETAIL C
UNDERDRAIN INSTALLATION IN MILL AND OVERLAY SECTIONS
N.T.S.



DETAIL D
TYPICAL MULTI-USE PATH DETAIL
N.T.S.



DETAIL D1
TYPICAL MULTI-USE PATH OVERLAY DETAIL
N.T.S.

ITEM	DESCRIPTION	ITEM	DESCRIPTION	NOTES
206.02	TRENCH AND CULVERT EXCAVATION	606.3003	CONCRETE MEDIAN BARRIER, TYPE C (OPTIONAL)	1) TACK COAT (ITEM 407.01) SHALL BE APPLIED TO ALL CONTACT SURFACES BETWEEN ALL HMA PAYMENT LIFTS IMMEDIATELY PRIOR TO OVERLAYING. 2) SEE GENERAL PLANS AND MISCELLANEOUS TABLES FOR GUIDE RAIL LOCATIONS AND TYPES. 3) EXCAVATION IN AREAS WITH INVASIVE SPECIES TO BE DONE UNDER ITEM 04615.14. SEE LANDSCAPING REMOVAL PLANS FOR LOCATIONS. ALL OTHER AREAS TO BE EXCAVATED UNDER ITEM 203.02. 4) SEVERED ROOTS OF INVASIVE SPECIES IN AREAS WHERE ROOT CONTROL SHEETING IS APPLIED, SHALL BE FIRST TREATED WITH ITEM 24615.0206 - APPLYING POST EMERGENT HERBICIDE WITH NO RESIDUAL ACTIVITY. SEE DWG. LRP-1 FOR SHEETING LIMITS. 5) ITEM 05615.0301 SHALL BE LAPPED A MINIMUM OF 300 mm AT ALL LONGITUDINAL AND LATERAL JOINTS. SEE DWG. LRP-1 FOR SHEETING LIMITS.
05304.1501	SUBBASE COURSE, OPTIONAL TYPE (MODIFIED)	05615.0301	VEGETATIVE ROOT CONTROL SHEETING	
402.126201	12.5 mm F2, SUPERPAVE HMA, 60 SERIES COMPACTION	04615.14	EXCAVATION AND DISPOSAL OF INVASIVE SPECIES	
402.256901	25.0 mm F9, SUPERPAVE HMA, 60 SERIES COMPACTION	24615.0206	APPLYING POST EMERGENT HERBICIDE WITH NO RESIDUAL ACTIVITY	
402.376901	37.5 mm F9, SUPERPAVE HMA, 60 SERIES COMPACTION	14646.10	MILLED-IN AUDIBLE ROADWAY DELINEATORS (MIARD)	
407.01	TACK COAT	610.0203	ESTABLISHING TURF	
08520.5014	SAW CUTTING, ASPHALT PAVEMENT, ASPHALT CONCRETE PAVEMENT	613.02	PLACING TOPSOIL - TYPE A	
605.1001	UNDERDRAIN FILTER, TYPE 2			
605.1701	OPTIONAL UNDERDRAIN PIPE, 100 mm DIA.			

ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED

AS BUILT REVISIONS

No. 5-1-12

SIGNATURE: *[Signature]* DATE: 5-1-12

TYPICAL SECTIONS
DETAILS

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
REGION 5

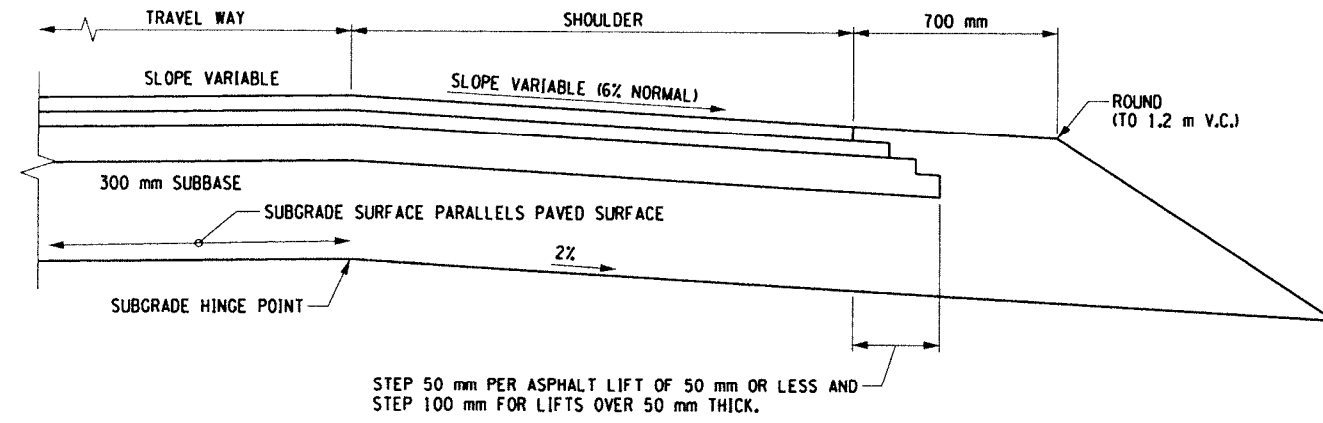
PB AMERICAS, INC.

DATE: 12/31/09 DRAWING NO.: TS-12

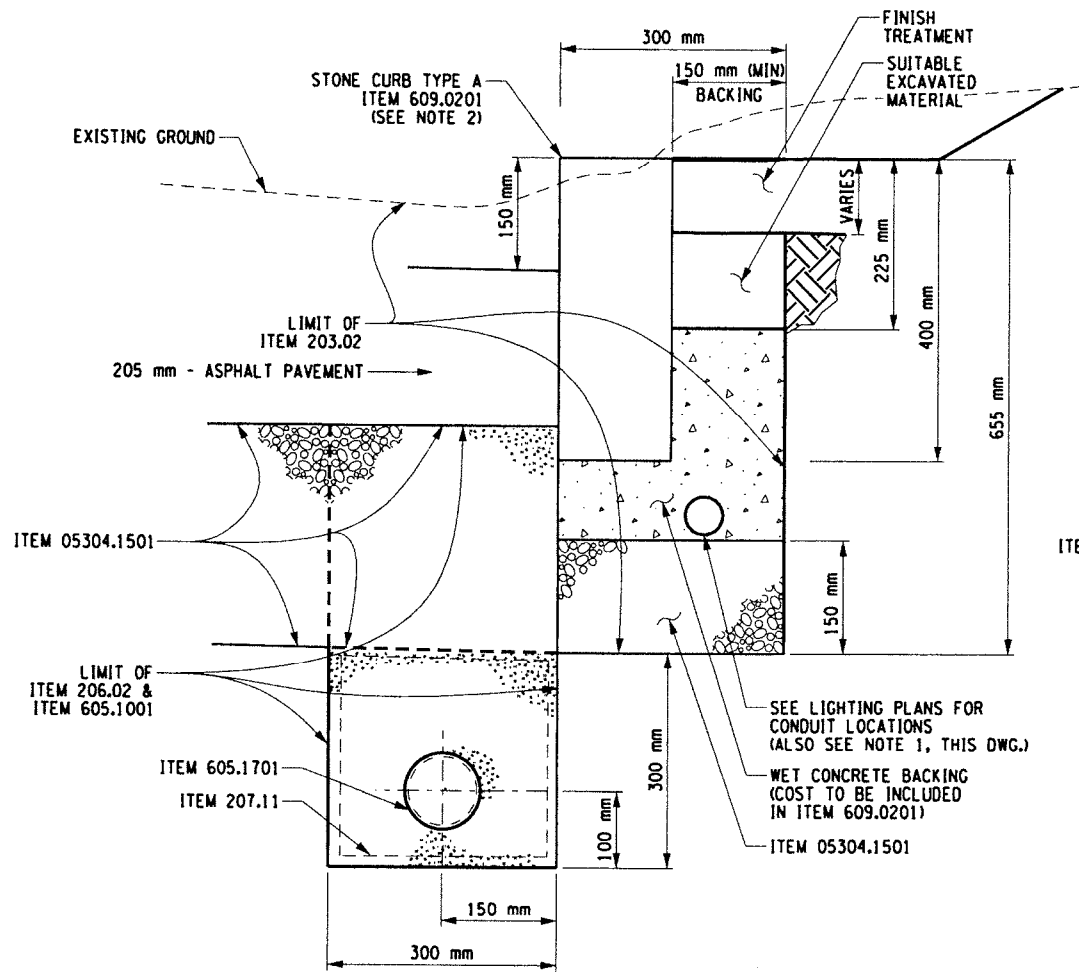
FILE: c:\pwork\cadd\region_5\044\project\proj_highway_design\dwg\05315-504401_cph_sec_97_012.dwg

DESIGN SUPERVISOR J. HUBERT
 JOB MANAGER J. HUBERT
 DESIGNED BY J. GEASLING
 CHECKED BY J. HUBERT
 ESTIMATED BY C. GONZALEZ
 DRAFTED BY T. MALCZEWSKI
 CHECKED BY J. GEASLING

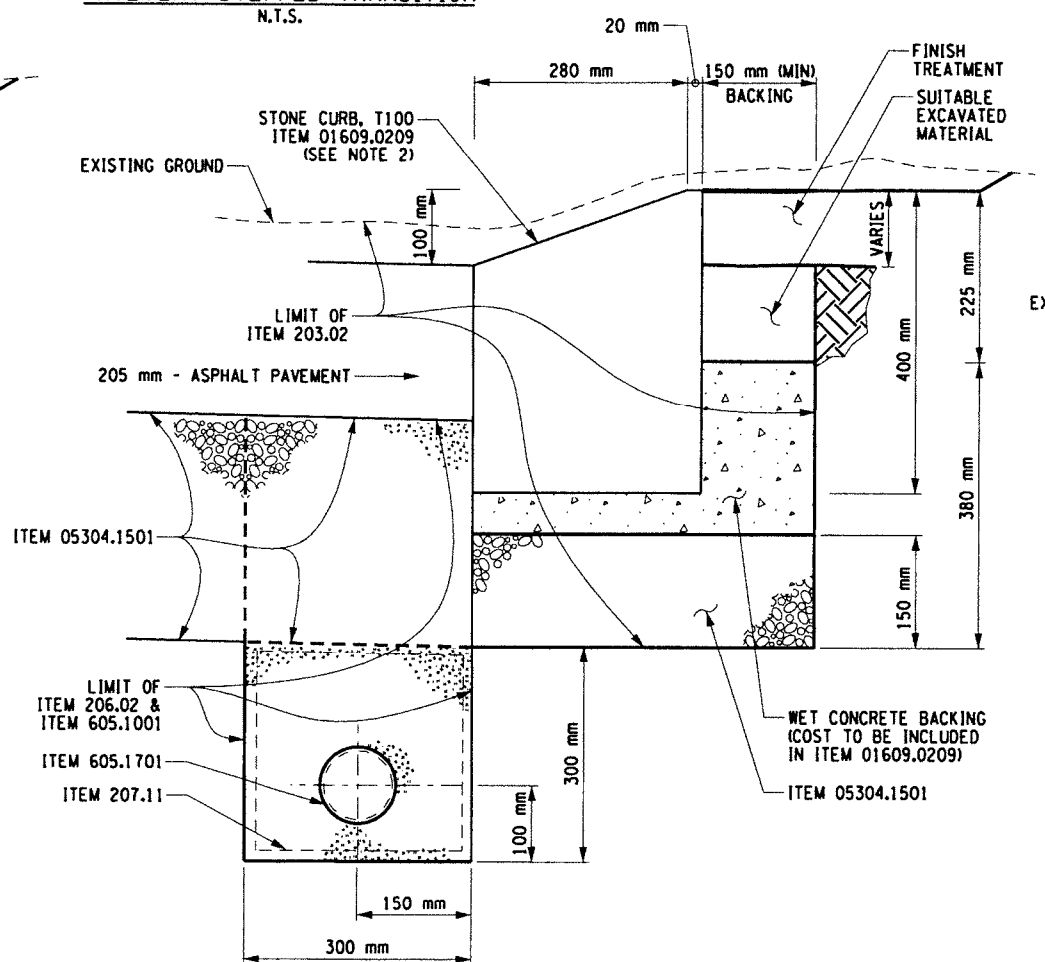
FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	16	940
P.I.N. 5044.01		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD, FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				



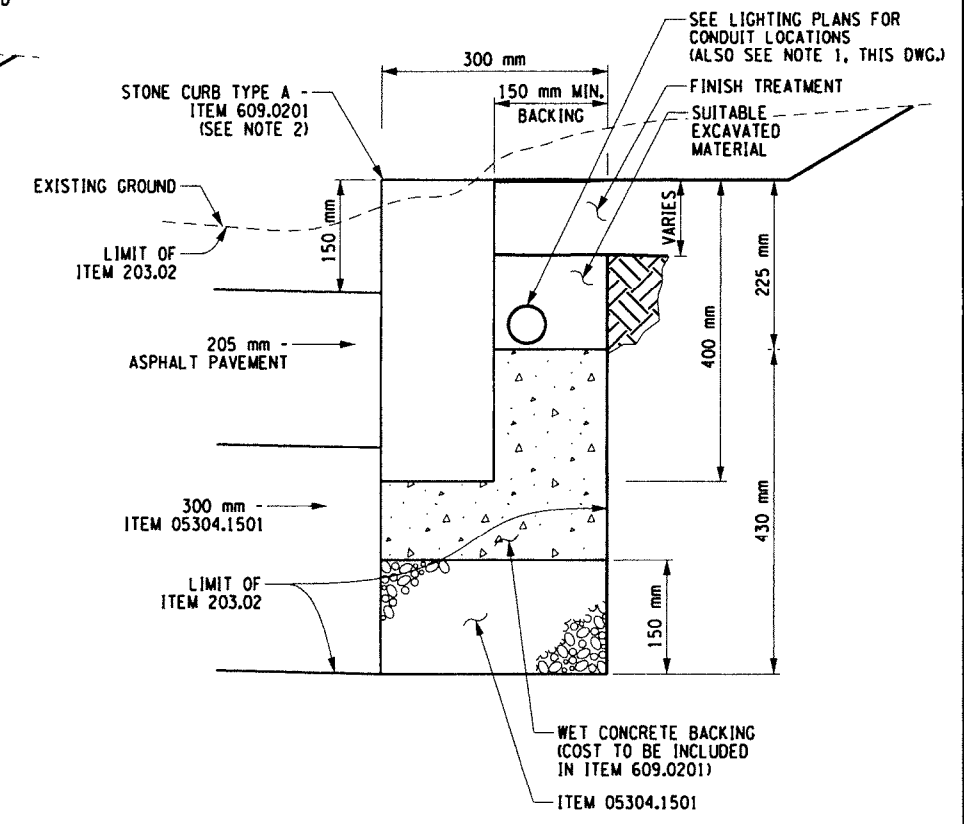
PAVEMENT STEPPED TRANSITION
N.T.S.



DETAIL E
CURB SECTION
N.T.S.



DETAIL F
MOUNTABLE CURB SECTION
N.T.S.



DETAIL G
MEDIAN CURB SECTION
N.T.S.

ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED

ITEM	DESCRIPTION
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL
206.02	TRENCH AND CULVERT EXCAVATION
207.11	GEOTEXTILE SEPARATION
05304.1501	SUBBASE COURSE, OPTIONAL TYPE (MODIFIED)
605.1001	UNDERDRAIN FILTER, TYPE 2
605.1701	OPTIONAL UNDERDRAIN PIPE, 100 mm DIA.
609.0201	STONE CURB, GRANITE (TYPE A)
01609.0209	GRANITE CURB, TYPE T100

ITEM	DESCRIPTION

NOTES

- ITEM 206.03 IS NOT INTENDED TO BE USED WITHIN LATERAL LIMITS OF ITEM 203.02 ALONG FUHRMANN BOULEVARD, OHIO STREET, TIFFT STREET, AND SOUTH MICHIGAN AVENUE.
- PINK CALEDONIA BY GROUP POLYCOR INTERNATIONAL - DUMAS & VOYER OR APPROVED EQUAL

AS BUILT REVISIONS

No. _____

John Z... 5-1-12
SIGNATURE DATE

TYPICAL SECTIONS
DETAILS

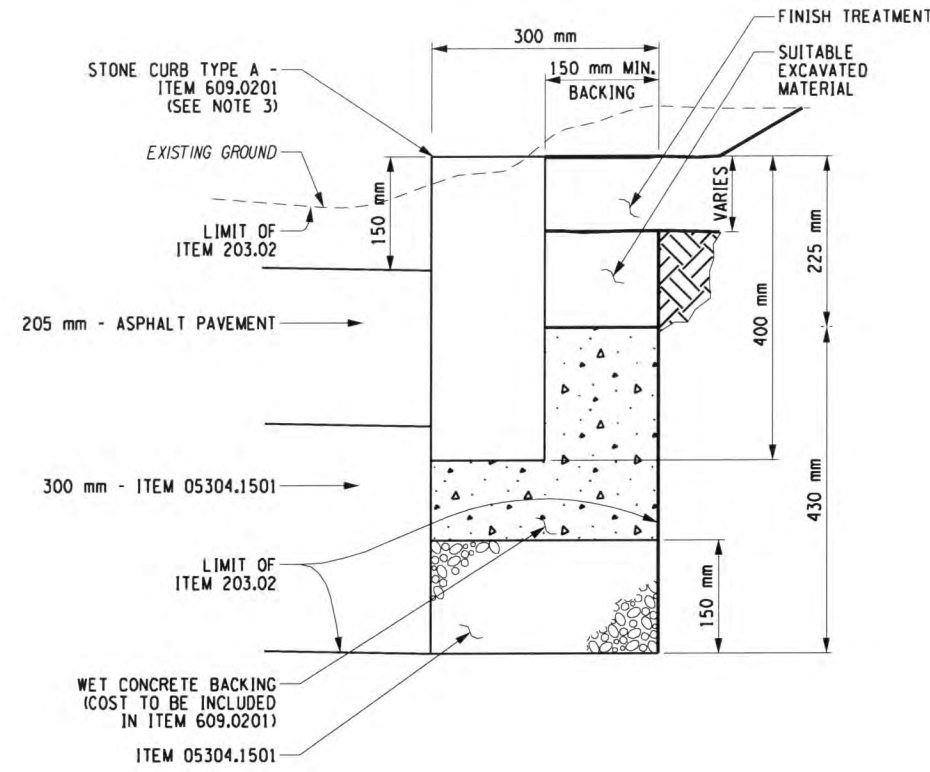
STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
REGION 5

PB AMERICAS, INC. DATE 09/07/07 DRAWING NO. TS-13

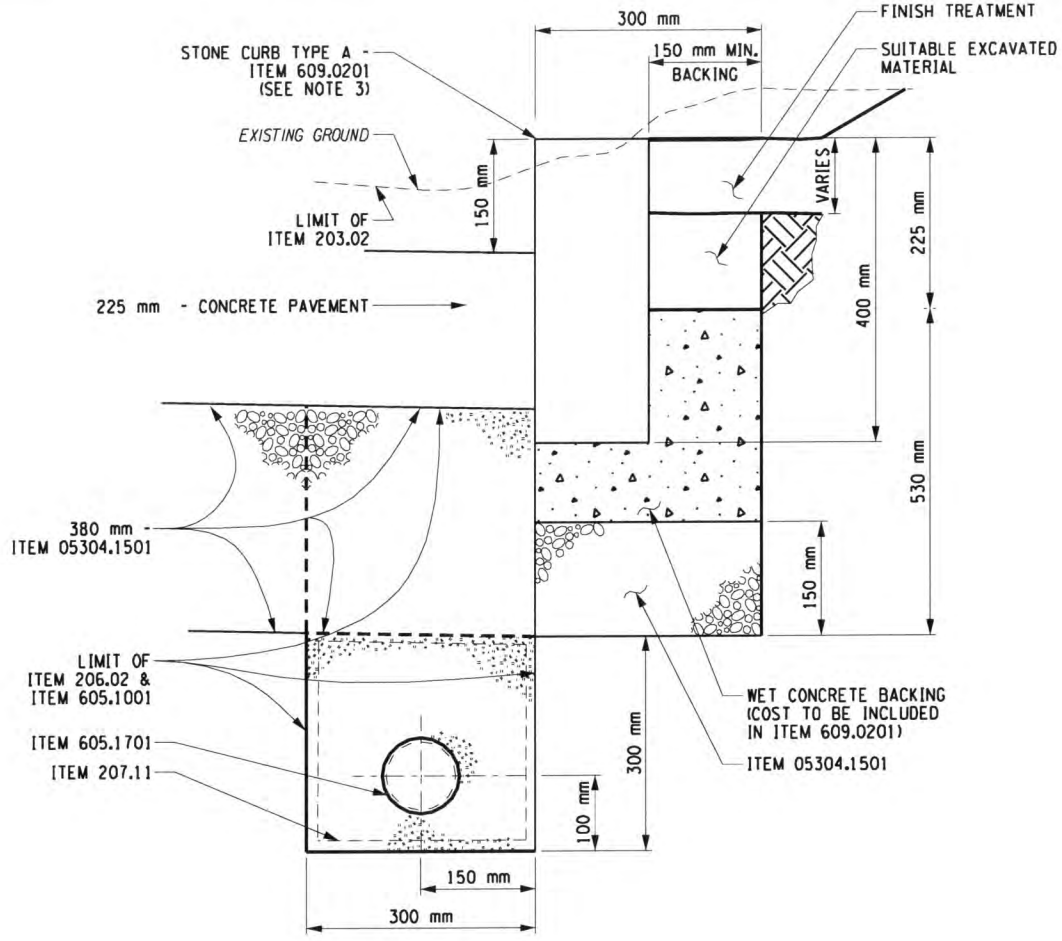
PLOTTED BY: McChaira
 FILE: g:\paved\acad\region_5\0440\prospect\highway_design\plan\0440_curb_section.dwg

DESIGN SUPERVISOR J. HUBERT
 JOB MANAGER J. HUBERT
 DESIGNED BY J. GEASLING
 CHECKED BY J. HUBERT
 ESTIMATED BY C. GONZALEZ
 DRAFTED BY T. MALCZEWSKI
 CHECKED BY J. GEASLING

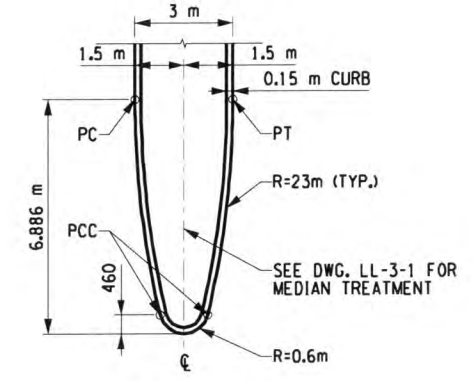
FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	17F1	940
P.I.N. 5044.01		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD, FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				



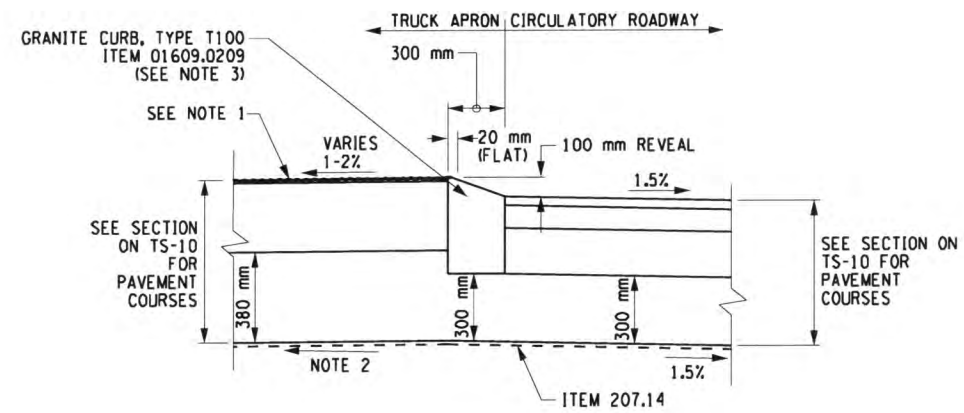
DETAIL H
TIFT STREET MEDIAN BULLNOSE
N.T.S.



DETAIL K
ROUNDABOUT VERTICAL CURB
N.T.S.



TYPICAL BULLET NOSE DETAIL
(TYPE A)
N.T.S.

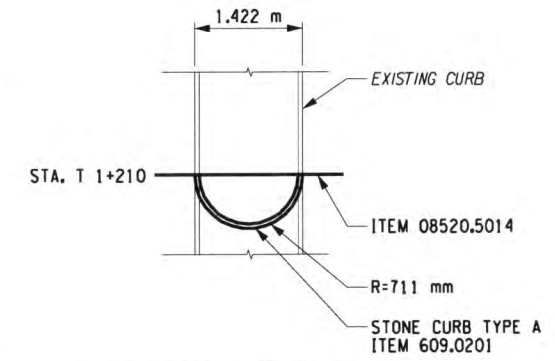


DETAIL J
N.T.S.

FIELD CHANGE

THIS SHEET SUPERSEDES SHEET 17.

NOTE: THIS SHEET REPRESENTS REVISIONS TO THE PS&E DRAWINGS DATED 09/07/07. THESE FIELD CHANGE SHEETS ARE NECESSARY DUE TO DESIGN CHANGES INTRODUCED AFTER THE PROJECT WAS AWARDED. CHANGES TO THE SHEET INCLUDE MODIFICATIONS TO THE BULLET NOSE DETAILS. SEE SHEET 2 FOR APPROVAL.



DETAIL J
(TIFT STREET BULLNOSE)
N.T.S.

ITEM	DESCRIPTION	ITEM	DESCRIPTION	NOTES
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL			1) REFER TO LANDSCAPE DRAWINGS FOR PROPOSED COLOR AND IMPRINT PATTERN OF THE TRUCK APRON CONCRETE PAVEMENT. 2) PAVEMENT SUBGRADE IS PARALLEL TO THE PAVEMENT SURFACE. 3) PINK CALEDONIA BY GROUP POLYCOR INTERNATIONAL - DUMAS & VOYER OR APPROVED EQUAL.
206.02	TRENCH AND CULVERT EXCAVATION			
207.11	GEOTEXTILE SEPARATION			
05304.1501	SUBBASE COURSE, OPTIONAL TYPE (MODIFIED)			
605.1001	UNDERDRAIN FILTER, TYPE 2			
605.1701	OPTIONAL UNDERDRAIN PIPE, 100 mm DIA.			
609.0201	STONE CURB, GRANITE (TYPE A)			
01609.0209	GRANITE CURB, TYPE T100			

ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED

AS BUILT REVISIONS

No

Jeffrey Zepher 5-1-12

SIGNATURE DATE

TYPICAL SECTIONS
DETAILS

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
REGION 5

PB AMERICAS, INC. DATE 12/31/09 DRAWING NO. TS-14

FILE: c:\p\program files\benley\workspace\system\tables\pen\w8_sys\dot\l1 PLOTTED BY: mediana
 DATE: 7/8/2010 2:11:38 PM

+ USER = gpcvsk DATE = 2-SEP-2007 12:31
 + DATE/TIME = 2-SEP-2007 12:31
 + DOC NAME = 504401EST_01.dgn
 + DESIGN SUPERVISOR
 + JOB MANAGER
 + DESIGNED BY
 + CHECKED BY
 + ESTIMATED BY
 + DRAFTED BY
 + CHECKED BY
 +

ESTIMATE OF QUANTITIES			
ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
201.06 M	CLEARING AND GRUBBING	LS	1.0
202.010010 M	DISPOSAL OF BUILDINGS	LS	1.0
202.120001 M	REMOVING EXISTING SUPERSTRUCTURES	LS	1.0
202.120002 M	REMOVING EXISTING SUPERSTRUCTURES	LS	1.0
202.120003 M	REMOVING EXISTING SUPERSTRUCTURES	LS	1.0
202.120004 M	REMOVING EXISTING SUPERSTRUCTURES	LS	1.0
202.19 M	REMOVAL OF SUBSTRUCTURES	m ³	4650.0
203.02 M	UNCLASSIFIED EXCAVATION AND DISPOSAL	m ³	207635.0
203.03 M	EMBANKMENT IN PLACE	m ³	295208.0
203.0309 17 M	LIGHTWEIGHT CONCRETE FILL (TYPE B)	m ³	2308.0
203.0395 05 M	EXPANDED POLYSTYRENE FILL	m ³	4500.0
203.07 M	SELECT GRANULAR FILL	m ³	21734.0
203.10 M	SURFACE SETTLEMENT GAGES	EA	14.0
203.12 M	SETTLEMENT RODS	EA	15.0
203.18 M	CLEANING CLOSED DRAINAGE SYSTEMS	m	1787.0
203.19 M	CLEANING DRAINAGE STRUCTURES AND MANHOLES	EA	66.0
203.21 M	SELECT STRUCTURE FILL	m ³	7656.0
203.25 M	SAND BACKFILL	m ³	127.0
203.9901 06 M	FIELD IDENTIFICATION OF PETROLEUM-CONTAMINATED SOIL	HOUR	530.0
203.9902 06 M	SEGREGATION AND STOCKPILING OF PETROLEUM-CONTAMINATED SOIL	m ³	2400.0
203.9922 06 M	OFF-SITE DISPOSAL OF PETROLEUM-CONTAMINATED (NON-HAZARDOUS) SOIL	+	4800.0
204.01 M	CONTROLLED LOW STRENGTH MATERIAL (CLSM)	m ³	622.0
206.01 M	STRUCTURE EXCAVATION	m ³	2247.0
206.02 M	TRENCH AND CULVERT EXCAVATION	m ³	17162.0
206.03 M	CONDUIT EXCAVATION AND BACKFILL INCLUDING SURFACE RESTORATION	m	19683.0
206.04 M	TRENCH AND CULVERT EXCAVATION - O.G.	m ³	25728.0
206.05 M	TEST PIT EXCAVATION	EA	24.0
207.0601 17 M	GEOMEMBRANE	m ²	735.0
207.10 M	GEOTEXTILE BEDDING	m ²	123.0
207.11 M	GEOTEXTILE SEPARATION	m ²	134154.0
207.14 M	GEOTEXTILE STABILIZATION	m ²	91470.0
207.15 M	PREFABRICATED COMPOSITE STRUCTURAL DRAIN	m ²	574.0
207.96 17 M	GEOSYNTHETIC REINFORCEMENT	m ²	6858.0

ESTIMATE OF QUANTITIES			
ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
209.1001 M	MULCH - TEMPORARY	m ²	10000.0
209.1003 M	SEED AND MULCH - TEMPORARY	m ²	60988.0
209.1105 M	CHECK DAM, PREFABRICATED - TEMPORARY	m	3300.0
209.13 M	SILT FENCE-TEMPORARY	m	15800.0
209.1501 24 M	TURBIDITY CURTAIN	m	90.0
209.1701 M	DRAINAGE STRUCTURE INLET PROTECTION, SILT FENCE - TEMPORARY	m	405.0
209.22 M	CONSTRUCTION ENTRANCE	m ²	972.0
209.23 M	PIPE INLET/OUTLET PROTECTION, SILT FENCE - TEMPORARY	m	80.0
210.1002 M	REMOVAL AND DISPOSAL OF ROOFING ACM	m ²	22.3
210.1201 M	REMOVAL AND DISPOSAL OF CAULK/GLAZING ACM	m	3.1
210.290301 M	REMOVAL AND DISPOSAL OF MISCELLANEOUS ACM	LS	1.0
210.290302 M	REMOVAL AND DISPOSAL OF MISCELLANEOUS ACM	LS	1.0
210.290303 M	REMOVAL AND DISPOSAL OF MISCELLANEOUS ACM	LS	1.0
210.290304 M	REMOVAL AND DISPOSAL OF MISCELLANEOUS ACM	LS	1.0
210.3312 M	REMOVAL AND DISPOSAL OF BOND BREAKER/FILLER ACM (BV14)	m ²	119.0
210.3411 M	REMOVAL AND DISPOSAL OF CAULKING ACM (BV14)	m	6.0
304.1501 05 M	SUBBASE COURSE, OPTIONAL TYPE (MODIFIED)	m ³	77838.0
402.017901 M	TRUE & LEVELING F9, SUPERPAVE HMA, 70 SERIES COMPACTION	+	685.0
402.126201 M	12.5MM F2 SUPERPAVE HMA, 60 SERIES COMPACTION	+	21792.0
402.126211 M	PLANT PRODUCTION QUALITY ADJUSTMENT TO 402.126201 M	QU	1092.0
402.256901 M	25MM F9 SUPERPAVE HMA, 60 SERIES COMPACTION	+	39288.0
402.256911 M	PLANT PRODUCTION QUALITY ADJUSTMENT TO 402.256901 M	QU	1771.0
402.376901 M	37.5MM F9 SUPERPAVE HMA, 60 SERIES COMPACTION	+	58353.0
402.376911 M	PLANT PRODUCTION QUALITY ADJUSTMENT TO 402.376901 M	QU	2539.0
407.01 M	TACK COAT	L	131236.0
490.10 M	PRODUCTION COLD MILLING BITUMINOUS CONCRETE	m ²	47137.0
502.11121211 M	MISCELLANEOUS PCC INLAYS AND OVERLAYS, CLASS C, UNBONDED, OVERLAY, COLOR, NON SHAKE-ON, IMPRINT	m ³	377.0
503.1010 M	PCC FOUNDATION FOR PAVEMENT, CLASS C	m ³	73.0
520.5014 08 M	SAW CUTTING, ASPHALT PAVEMENT, ASPHALT SURFACE COURSE, CONCRETE PAVEMENT OR ASPHALT OVERLAY ON CONCRETE PAVEMENT	m	5222.0
551.0463 17 M	INSTALLING LAGGING FOR SOLDIER PILE AND LAGGING WALL	m ²	132.0
551.11 M	CAST-IN-PLACE CONCRETE PILES	m	9843.0
551.13 M	FURNISHING EQUIPMENT FOR DRIVING PILES	LS	1.0
551.14 M	DYNAMIC PILE TESTING	EA	8.0

FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	18	940
P.I.N. 5044.01		B.I.N.		
ERIE COUNTY				
FAC 58-14				
FAC 62-20				
FAC 54-9				

ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED

No AS BUILT REVISIONS

Ally Z... 5-1-12
SIGNATURE DATE

ESTIMATE OF QUANTITIES

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION

REGION 05	DATE 09/12/07	DRAWING NO. QUAN 1
-----------	---------------	--------------------

USER = 902968-2007 12:32
 DATE / TIME = 2-SEP-2007 12:32
 DOC NAME = 504401EST_02.dgn
 DESIGN SUPERVISOR
 JOB MANAGER
 DESIGNED BY
 CHECKED BY
 ESTIMATED BY
 DRAFTED BY
 CHECKED BY
 +

ESTIMATE OF QUANTITIES				
ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY	
551.92 08 M	REMOVAL OF PILES	EA	24.0	
552.16 M	EXCAVATION PROTECTION SYSTEM	m ²	46347.0	
554.0105 M	MECHANICALLY STABILIZED EARTH SYSTEM, NO COLOR, AS SHOWN ON PLANS	m ²	2269.0	
554.0205 M	MECHANICALLY STABILIZED EARTH SYSTEM, INTEGRAL COLOR SURFACE, AS SHOWN ON PLANS	m ²	1205.3	
554.05 17 M	MECHANICALLY STABILIZED SEGMENTAL BLOCK RETAINING WALL SYSTEM (EXTENSIBLE REINFORCEMENT)	m ²	1182.0	
555.0104 M	FOOTING CONCRETE CLASS A (NO CONCRETE CLASS SUBSTITUTIONS ALLOWED, EXCEPT AS PERMITTED IN SUBSECTION 555-3.12)	m ³	43.0	
555.0194 06 M	STAINING CONCRETE SURFACES	m ²	1477.0	
555.73 11 M	SIMULATED STONE MASONRY WALLS	m ²	442.0	
555.74 11 M	COLORING CONCRETE SURFACES	m ²	855.0	
555.9701 16 M	CONCRETE FOR STRUCTURES, CLASS HP (REINFORCEMENT INCLUDED AND NO BAR LIST IN PLANS)	m ³	714.0	
555.9702 16 M	FOOTING CONCRETE, CLASS HP (REINFORCEMENT INCLUDED AND NO BAR LIST IN PLANS)	m ³	1042.0	
556.0202 M	EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES	kg	2336.0	
559.1696 18 M	PROTECTIVE SEALING OF STRUCTURAL CONCRETE	m ²	6691.0	
559.9110 10 M	ANTI-GRAFFITI PROTECTIVE COATING	m ²	5372.0	
560.05 M	RUBBLE STONE MASONRY	m ³	4.0	
560.06 M	RUBBLE STONE MASONRY LAID DRY	m ³	33.0	
562.0101 M	REINFORCED CONCRETE SPAN UNITS	m ²	473.0	
562.0102 M	REINFORCED CONCRETE SPAN UNITS	m ²	473.0	
562.0103 M	REINFORCED CONCRETE SPAN UNITS	m ²	473.0	
565.1921 M	TYPE E.L. BEARING (0 TO 250 KN)	EA	4.0	
570.090002 M	ENVIRONMENTAL GROUND PROTECTION	LS	1.0	
571.010002 M	TREATMENT AND DISPOSAL OF PAINT REMOVAL WASTE	m ³	3.0	
595.50 18 M	SHEET-APPLIED WATERPROOFING MEMBRANE	m ²	1900.0	
603.541016 M	CORRUGATED ALUMINUM END SECTIONS, PIPE 300 MILLIMETER DIAMETER (68 MILLIMETER X 13 MILLIMETER CORRUGATION) 16 GA	EA	1.0	
603.541116 M	CORRUGATED ALUMINUM END SECTIONS, PIPE 375 MILLIMETER DIAMETER (68 MILLIMETER X 13 MILLIMETER CORRUGATION) 16 GAUGE	EA	9.0	
603.541216 M	CORRUGATED ALUMINUM END SECTIONS, PIPE 450 MILLIMETER DIAMETER (68 MILLIMETER X 13 MILLIMETER CORRUGATION) 16 GAUGE	EA	6.0	
603.541316 M	CORRUGATED ALUMINUM END SECTIONS, PIPE 525 MILLIMETER DIAMETER (68 MILLIMETER X 13 MILLIMETER CORRUGATION) 16 GAUGE	EA	1.0	
603.6005 M	REINFORCED CONCRETE PIPE CLASS III, 600 MILLIMETER DIAMETER	m	21.0	
603.6010 M	REINFORCED CONCRETE PIPE CLASS III, 1050 MILLIMETER DIAMETER	m	84.0	
603.6011 M	REINFORCED CONCRETE PIPE CLASS III, 1200 MILLIMETER DIAMETER	m	3.0	
603.6012 M	REINFORCED CONCRETE PIPE CLASS III, 1350 MILLIMETER DIAMETER	m	4.0	
603.7310 M	REINFORCED CONCRETE PIPE END SECTIONS 1050 MILLIMETER DIAMETER	EA	1.0	
603.77 M	CONCRETE COLLARS	EA	26.0	

ESTIMATE OF QUANTITIES				
ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY	
603.97 02 M	SAWCUTTING CULVERT PIPE	EA	26.0	
603.9808 07 M	POLYVINYL CHLORIDE (PVC) SEWER PIPE AND FITTINGS, 8 NPS	m	15.0	
603.9812 M	SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 300 MM DIAMETER	m	827.0	
603.9812 07 M	POLYVINYL CHLORIDE (PVC) SEWER PIPE AND FITTINGS, 12 NPS	m	3.0	
603.9818 M	SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 450 MM DIAMETER	m	381.0	
603.9824 M	SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 600 MM DIAMETER	m	155.0	
603.9925 15 M	POLYVINYL CHLORIDE PIPE, SANITARY SEWER GRAVITY, 300 MM DIA	m	2804.0	
603.9926 15 M	POLYVINYL CHLORIDE PIPE, SANITARY SEWER GRAVITY, 375 MM DIA	m	1036.0	
603.9927 15 M	POLYVINYL CHLORIDE PIPE, SANITARY SEWER GRAVITY, 450 MM DIA	m	457.0	
603.9929 15 M	POLYVINYL CHLORIDE PIPE, SANITARY SEWER GRAVITY, 600 MM DIA	m	2065.0	
603.9931 15 M	POLYVINYL CHLORIDE PIPE - SANITARY SEWER GRAVITY - 750 MM DIA	m	491.0	
604.070501 M	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES	EA	14.0	
604.070502 M	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES	EA	3.0	
604.070503 M	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES	EA	6.0	
604.070504 M	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES	EA	2.0	
604.070505 M	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES	EA	2.0	
604.070506 M	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES	EA	7.0	
604.070507 M	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS & MANHOLES	EA	1.0	
604.070508 M	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS & MANHOLES	EA	32.0	
604.301611 M	RECTANGULAR DRAINAGE STRUCTURE TYPE P FOR #11 WELDED FRAME	m	4.0	
604.301911 M	RECTANGULAR DRAINAGE STRUCTURE TYPE S FOR #11 WELDED FRAME	m	45.0	
604.4048 M	ROUND PRECAST CONCRETE MANHOLE TYPE 48	m	12.0	
604.4060 M	ROUND PRECAST CONCRETE MANHOLE TYPE 60	m	6.0	
604.4072 M	ROUND PRECAST CONCRETE MANHOLE TYPE 72	m	4.0	
604.4096 M	ROUND PRECAST CONCRETE MANHOLE TYPE 96	m	3.0	
604.500501 M	SPECIAL DRAINAGE STRUCTURE	m	416.0	
604.500502 M	SPECIAL DRAINAGE STRUCTURE	m	46.0	
604.500503 M	SPECIAL DRAINAGE STRUCTURE	m	3.0	
604.500504 M	SPECIAL DRAINAGE STRUCTURE	m	44.0	
604.500505 M	SPECIAL DRAINAGE STRUCTURE	m	61.0	
604.500506 M	SPECIAL DRAINAGE STRUCTURE	m	47.0	
604.500507 M	SPECIAL DRAINAGE STRUCTURE	m	16.0	
604.500508 M	SPECIAL DRAINAGE STRUCTURE	m	10.0	

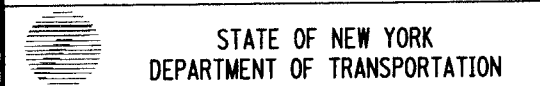
FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	19	940
P.I.N. 5044.01		B.I.N.		
ERIE COUNTY				
FAC 58-14				
FAC 62-20				
FAC 54-9				

ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED

No AS BUILT REVISIONS

Allen Zepherino 5-1-12
SIGNATURE DATE

ESTIMATE OF QUANTITIES



REGION 05 DATE 09/12/07 DRAWING NO. QUAN 2

USER = C:\PROGRA~1\MSOFF~1\2007\1233
 DATE/TIME = 05/11/12 12:33
 DOC NAME = 504401.EST_03.dgn
 DESIGN SUPERVISOR
 JOB MANAGER
 DESIGNED BY
 CHECKED BY
 ESTIMATED BY
 DRAFTED BY
 CHECKED BY


ESTIMATE OF QUANTITIES			
ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
604.500509 M	SPECIAL DRAINAGE STRUCTURE	m	40.0
604.500510 M	SPECIAL DRAINAGE STRUCTURE	m	3.0
605.0901 M	UNDERDRAIN FILTER TYPE 1	m ³	802.0
605.1001 M	UNDERDRAIN FILTER TYPE 2	m ³	2621.0
605.1602 M	PERFORATED POLYVINYL CHLORIDE UNDERDRAIN PIPE 150 MILLIMETER DIAMETER	m	2672.0
605.1602 08 M	NON-PERFORATED PVC PIPE, 150 MM DIAMETER PIPE	m	340.0
605.1701 M	OPTIONAL UNDERDRAIN PIPE, 100 MILLIMETER DIAMETER	m	33314.0
606.10 M	BOX BEAM GUIDE RAILING	m	5980.0
606.100001 M	BOX BEAM GUIDE RAILING (SHOP CURVED)	m	260.0
606.1201 M	BOX BEAM GUIDE RAIL END ASSEMBLY, TYPE I	EA	15.0
606.1202 M	BOX BEAM GUIDE RAIL END ASSEMBLY, TYPE II	EA	9.0
606.1203 M	BOX BEAM END ASSEMBLY, TYPE III	EA	9.0
606.3003 M	CONCRETE BARRIER TYPE C (OPTIONAL)	m	1773.0
606.51 M	RESETTING CORRUGATED BEAM GUIDE RAILING	m	196.0
606.61 M	REMOVING AND STORING CORRUGATED BEAM GUIDE RAILING	m	193.0
606.65 M	REMOVING AND STORING PRECAST CONCRETE BARRIER	m	966.0
606.71 M	REMOVING AND DISPOSING CORRUGATED BEAM GUIDE RAILING	m	3997.0
606.73 M	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING	m	9.0
606.75 M	REMOVING AND DISPOSING CONCRETE BARRIER	m	1908.0
606.7910 M	REMOVING AND DISPOSING ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING AND MEDIAN BARRIER	EA	28.0
606.7920 M	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING END ASSEMBLY	EA	9.0
606.8101 M	GUIDE RAIL TRANSITION WEAK-POST CORRUGATED BEAM TO BOX BEAM GUIDE RAIL (ONE OR TWO-WAY OPERATION)	EA	5.0
606.8801 M	BOX BEAM GUIDE RAIL TRANSITION TO CONCRETE BARRIER(ONE OR TWO WAY OPERATION)	EA	1.0
606.8803 M	TRANSITION BETWEEN BOX BEAM GUIDE RAIL AND SINGLE SLOPE HALF SECTION CONCRETE BARRIER(ONE OR TWO WAY OPERATION)	EA	12.0
607.0512 M	VINYL COATED STEEL CHAIN-LINK FENCE ON PLASTIC COATED FRAME WITH TOP RAIL 1830 MILLIMETER HIGH	m	744.0
607.21 11 M	REMOVE AND DISPOSE OF CHAIN LINK FENCE	m	1521.0
608.0101 M	CONCRETE SIDEWALKS AND DRIVEWAYS	m ³	246.0
608.0102 05 M	COLORLED AND IMPRINTED PORTLAND CEMENT CONCRETE SIDEWALK	m ³	176.0
608.0114 02 M	EXPOSED AGGREGATE CONCRETE SURFACING FOR SIDEWALKS, DRIVEWAYS AND BICYCLE PATHS	m ²	8.0
608.020101 M	ASPHALT CONCRETE SIDEWALKS, DRIVEWAYS AND BICYCLE PATHS	+	800.0
608.020110 M	PLANT PRODUCTION QUALITY ADJUSTMENT TO 608.020101 M	QU	40.0
608.20 M	SURFACE APPLIED DETECTABLE WARNING UNITS	m ²	95.0
609.0201 M	STONE CURB, GRANITE, (TYPE A)	m	19853.0

ESTIMATE OF QUANTITIES			
ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
609.0209 01 M	GRANITE CURB, TYPE T100	m	212.0
609.0601 08 M	REMOVAL OF CURB	m	779.0
609.9998 01 M	REMOVING AND STORING GRANITE CURB	m	1163.0
610.0194 11 M	APPLYING COMPOST	m ³	963.0
610.0203 M	ESTABLISHING TURF	m ²	187000.0
610.03 M	ESTABLISHING WILDFLOWERS	m ²	6337.0
610.04 08 M	RIGHT OF WAY MOWING AND LITTER REMOVAL	EA	6.0
611.010164 M	PLANTING MAJOR DECIDUOUS TREE SPECIES (SEE CONTRACT DOCUMENTS) 60 MM CALIPER BALLED AND BURLAPPED,NURSERY GROWN	EA	70.0
611.010165 M	PLANTING MAJOR DECIDUOUS TREE SPECIES (SEE CONTRACT DOCUMENTS) 60 MM CALIPER B&B,NURSEY GROWN, SPRING PLANTING	EA	311.0
611.020114 M	PLANTING MINOR DECIDUOUS TREE SPECIES (SEE CONTRACT DOCUMENTS) OTHER SIZE (AS SPECIFIED)B&B,NURS GRWN,SPRING PLT	EA	446.0
611.020117 M	PLANTING MINOR DECIDUOUS TREE SPECIES (SEE CONTRACT DOCUMENTS) OTHER SIZE (AS SPECIFIED)	EA	162.0
611.030154 M	PLANTING CONIFEROUS TREE SPECIES (SEE CONTRACT DOCUMENTS) 1.50 METER HEIGHT B&B,NURSERY GROWN, SPRING PLANTING	EA	87.0
611.030174 M	PLANTING CONIFEROUS TREE SPECIES (SEE CONTRACT DOCUMENTS) 2.00 METER HEIGHT B&B, NURSERY GROWN, SPRING PLANTING	EA	87.0
611.040113 M	PLANTING DECIDUOUS SHRUB SPECIES (SEE CONTRACT DOCUMENTS) AS SPECIFIED (SEE CONT DOCUM) CONTAINER/POT	EA	4800.0
611.050113 M	PLANTING EVERGREEN SHRUB SPECIES, AS SPECIFIED, AS SPECIFIED (SEE CONTRACT DOCUMENTS)	EA	555.0
611.070111 M	PLANTING SPECIAL PLANT MATERIAL (SEE CONTRACT DOCUMENTS) AS SPECIFIED (SEE CONT DOCUM) CONTAINER GROWN	EA	2105.0
611.070113 M	PLANTING SPECIAL PLANT MATERIAL (SEE CONTRACT DOCUMENTS) AS SPECIFIED (SEE CONT DOCUM) AS SPECIFIED	EA	71685.0
613.02 M	PLACING TOPSOIL-TYPE A	m ³	7653.0
615.0206 24 M	APPLYING POST EMERGENT HERBICIDE WITH NO RESIDUAL ACTIVITY	m ²	2921.0
615.0301 05 M	INSTALLING VEGETATIVE ROOT CONTROL SHEETING	m ²	2921.0
615.0402 08 M	TREE/VEGETATION PROTECTION BARRIER	m	350.0
615.14 04 M	EXCAVATION AND DISPOSAL OF PHRAGMITES, PURPLE LOOSESTRIPE AND OTHER INFESTED SOILS	m ³	6540.0
615.23 04 M	REMOVE, STOCKPILE AND RELOCATE BOULDERS	EA	73.0
615.9906 06 M	LANDSCAPE BOULDERS	EA	66.0
615.9992 01 M	ORNAMENTAL BOLLARD	EA	159.0
615.9997 08 M	WOODEN BOLLARD	EA	435.0
616.20 08 M	BIORETENTION AND DRY SWALE SOIL	m ³	3046.0
619.01 M	BASIC WORK ZONE TRAFFIC CONTROL	LS	1.0
619.04 M	TYPE III CONSTRUCTION BARRICADE	EA	415.0
619.07 M	TEMPORARY BUSINESS SIGNS	m ²	10.0
619.0801 M	REMOVE EXISTING PAVEMENT MARKING STRIPES	m	56852.0
619.0802 M	REMOVE EXISTING PAVEMENT MARKING LETTERS OR SYMBOLS	EA	10.0
619.100101 M	INTERIM PAVEMENT MARKINGS, STRIPES (TRAFFIC PAINT)	m	70897.0


FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	20	940
P.I.N. 5044.01		B.I.N.		
ERIE COUNTY				
FAC 58-14				
FAC 62-20				
FAC 54-9				

ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED

No AS BUILT REVISIONS


5-1-12
DATE

ESTIMATE OF QUANTITIES


 STATE OF NEW YORK
 DEPARTMENT OF TRANSPORTATION

REGION 05	DATE 09/12/07	DRAWING NO. QUAN 3
-----------	---------------	--------------------

USER = P:\SERV-2007\1234
 DATE / TIME = 5/12/07 12:34
 DOC NAME = 504401.EST_04.dgn
 DESIGN SUPERVISOR

CHECKED BY
 DRAFTED BY
 ESTIMATED BY
 CHECKED BY
 DESIGNED BY
 JOB MANAGER

ESTIMATE OF QUANTITIES

ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
619.110201 M	PORTABLE, VARIABLE MESSAGE SIGN (PVMS) (LED) (NONE)	EA	3.0
619.1301 M	TEMPORARY TRAFFIC SIGNALS	ELOC	1.0
619.1611 M	MAINTAIN TRAFFIC SIGNAL EQUIPMENT (REQUIREMENT A)	INTm	27.0
619.1702 M	TEMPORARY CONCRETE BARRIER, (UNPINNED) WITH WARNING LIGHTS	m	1869.0
619.1703 M	TEMPORARY CONCRETE BARRIER, (PINNED)	m	153.0
619.1704 M	TEMPORARY CONCRETE BARRIER, (PINNED) WITH WARNING LIGHTS	m	3249.0
619.1803 M	TEMPORARY IMPACT ATTENUATOR - REDIRECTIVE (TEST LEVEL 3)	EA	2.0
619.25 M	TRAFFIC CONTROL SUPERVISOR	MNTH	27.0
619.26 M	PAVEMENT PATCHING, WINTER	m ³	125.0
620.03 M	STONE FILLING (LIGHT)	m ³	290.0
623.02 M	CRUSHED GRAVEL (BY WEIGHT)	†	4.0
623.03 M	CRUSHED STONE (BY WEIGHT)	†	200.0
623.12 M	CRUSHED STONE, (IN-PLACE MEASURE)	m ³	1550.0
623.15 05 M	CRUSHED GRAVEL, CRUSHED STONE OR CRUSHED SLAG (IN-PLACE MEASURE)	m ³	58.0
625.01 M	SURVEY OPERATIONS	LS	1.0
625.03 M	CONCRETE RIGHT-OF-WAY-MARKERS TYPE H (HIGH)	EA	3.0
625.04 M	CONCRETE RIGHT-OF-WAY MARKER TYPE L (LOW)	EA	24.0
625.06 M	PERMANENT SURVEY MARKERS	EA	12.0
625.10000101 M	GPS BASE STATION	CW	156.0
625.11000101 M	GPS ROVERS	CW	780.0
632.16 17 M	CONCRETE CRIB TYPE RETAINING WALL T-WALL	m ²	290.0
637.01 M	LABORATORY BUILDING	EA	1.0
637.03 M	CONCRETE CYLINDER CURING BOX	EA	1.0
637.10 M	CHAMP MANAGEMENT SYSTEM	DC	1000.0
637.15 M	ENGINEER'S FIELD OFFICE - TYPE 5	MNTH	36.0
637.21 M	MOBILE TELEPHONE	DC	3600.0
637.24 M	DIGITAL CAMERA	DC	1000.0
637.25 M	DIGITAL CAMCORDER	DC	1500.0
637.26 M	RAIN GAUGE	EA	1.0
637.34 M	OFFICE TECHNOLOGY AND SUPPLIES	DC	5000.0
637.3551 20 M	CPM SCHEDULING	LS	1.0
644.11 M	ANCHOR BOLTS	kg	1347.0
644.20 M	DRILLED SHAFT FOR OVERHEAD SIGN STRUCTURES	m ³	31.0

ESTIMATE OF QUANTITIES

ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
644.30 M	RECTANGULAR FOOTING FOR OVERHEAD SIGN STRUCTURES	m ³	22.0
644.420820 M	TRUSSED ARM CANTILEVER SIGN STRUCTURE (8 M ARM, 20SM SIGN AR EA)	EA	1.0
644.421010 M	TRUSSED ARM CANTILEVER SIGN STRUCTURE (10 M ARM, 10SM SIGN A REA)	EA	1.0
644.421015 M	TRUSSED ARM CANTILEVER SIGN STRUCTURE (10M ARM, 15SM SIGN AR EA)	EA	1.0
644.421115 M	TRUSSED ARM CANTILEVER SIGN STRUCTURE (11M ARM, 15SM SIGN AR EA)	EA	2.0
644.60000111 M	BRIDGE OUTRIGGER SIGN SUPPORT SYSTEM	EA	1.0
645.5101 M	GROUND-MOUNTED SIGN PANELS WITHOUT Z-BARS	m ²	24.2
645.5102 M	GROUND-MOUNTED SIGN PANELS LESS THAN OR EQUAL TO 2.78 SM WITH Z-BARS	m ²	148.0
645.5103 M	GROUND-MOUNTED SIGN PANELS GREATER THAN 2.78 SM WITH Z-BARS	m ²	307.0
645.5201 M	GROUND-MOUNTED SIGN PANELS WITHOUT Z-BARS HIGH-VISIBILITY SHEETING	m ²	5.0
645.5202 M	GROUND-MOUNTED SIGN PANELS LESS THAN OR EQUAL TO 2.78 SM WITH Z-BARS, HIGH-VISIBILITY SHEETING	m ²	74.0
645.61 M	OVERHEAD SIGN PANELS	m ²	135.0
645.81 M	TYPE A SIGN POSTS	EA	518.0
645.8104 M	TYPE A SIGN POST WITH EXTRA EMBEDMENT	EA	8.0
645.8106 M	HIGH CAPACITY TYPE A SIGN POSTS	EA	84.0
645.8107 M	CONCRETE FOOTING FOR TYPE A, HIGH-CAPACITY TYPE A OR BREAKAWAY WOODEN SIGN POSTS WITH STEEL TUBE INSERTS	EA	84.0
645.830202 M	TYPE B SIGN POST, GALVANIZED, W150X13.5 SECTION, BI-DIRECTIONAL BREAKAWAY BASE	EA	4.0
645.830401 M	TYPE B SIGN POST, GALVANIZED, W200X22.5 SECTION, NON-BREAKAWAY BASE	EA	4.0
645.830402 M	TYPE B SIGN POST, GALVANIZED, W200X22.5 SECTION, BI-DIRECTIONAL BREAKAWAY BASE	EA	2.0
645.830501 M	TYPE B SIGN POST, GALVANIZED, W250X28.4 SECTION, NON-BREAKAWAY BASE	EA	2.0
645.830502 M	TYPE B SIGN POST, GALVANIZED, W250X28.4 SECTION, BI-DIRECTIONAL BREAKAWAY BASE	EA	8.0
645.830601 M	TYPE B SIGN POST, GALVANIZED, W250X32.7 SECTION, NON-BREAKAWAY BASE	EA	2.0
645.830602 M	TYPE B SIGN POST, GALVANIZED, W250X32.7 SECTION, BI-DIRECTIONAL BREAKAWAY BASE	EA	2.0
645.830701 M	TYPE B SIGN POST, GALVANIZED, W310X38.7 SECTION, NON-BREAKAWAY BASE	EA	2.0
645.830802 M	TYPE B SIGN POST, GALVANIZED, W360X51 SECTION, BI-DIRECTIONAL BREAKAWAY BASE	EA	2.0
646.0601 M	DELINEATOR, SINGLE UNIT, ONE WAY ON POST	EA	350.0
646.0602 M	DELINEATOR, SINGLE UNIT, BACK TO BACK ON POST	EA	161.0
646.0604 M	DELINEATOR, SINGLE UNIT, THREE WAY ON POST	EA	16.0
646.0606 M	DELINEATOR, DOUBLE UNIT ON POST	EA	62.0
646.0701 M	REFERENCE MARKER, 1.2 METER MOUNTING HEIGHT	EA	52.0
646.0801 M	SNOWPLOWING MARKER, SINGLE UNIT	EA	10.0
646.0802 M	SNOWPLOWING MARKER, DOUBLE UNIT	EA	7.0
646.0803 M	SUPPLEMENTARY SNOWPLOWING MARKER	EA	181.0

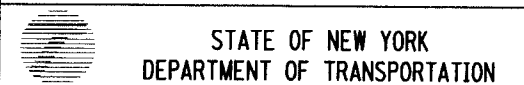
FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	21	940
P.I.N. 5044.01		B.I.N.		
ERIE COUNTY				
FAC 58-14				
FAC 62-20				
FAC 54-9				

ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED

AS BUILT REVISIONS

[Signature] 5-1-12
 SIGNATURE DATE

ESTIMATE OF QUANTITIES



STATE OF NEW YORK
 DEPARTMENT OF TRANSPORTATION

REGION 05	DATE 09/12/07	DRAWING NO. QUAN 4
-----------	---------------	--------------------

USER = gnovak
 DATE/TIME = 12-SEP-2007 12:35
 DOC NAME = 504401EST.05.dgn
 DESIGN SUPERVISOR

CHECKED BY
 DRAFTED BY
 ESTIMATED BY
 CHECKED BY
 DESIGNED BY
 JOB MANAGER

ESTIMATE OF QUANTITIES			
ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
646.10 14 M	MILLED-IN AUDIBLE ROADWAY DELINEATORS (MIRAD)	m	13984.0
647.01 M	REMOVAL OF SIGNS - SIZE A (0.0-1.0 SQUARE METERS)	EA	148.0
647.02 M	REMOVAL OF SIGNS - SIZE B (1.1 TO 2.0 SQUARE METERS)	EA	29.0
647.03 M	REMOVAL OF SIGNS-SIZE C (2.1 TO 4.0 SQUARE METERS)	EA	9.0
647.04 M	REMOVAL OF SIGNS - SIZE D (4.1 TO 10.0 SQUARE METERS)	EA	5.0
647.05 M	REMOVAL OF SIGNS-SIZE E (OVER 10.0 SQUARE METERS)	EA	11.0
647.06 M	REMOVAL AND STORAGE OF SIGNS - SIZE A (0.0 - 1.0 SQ METERS)	EA	1.0
647.18 M	REMOVAL OF OVERHEAD SIGN PANELS	EA	3.0
647.20 M	REMOVAL OF CANTILEVER SIGN STRUCTURE	EA	3.0
652.01 M	FURNISHING AND APPLYING CALCIUM CHLORIDE	+	250.0
655.0101 M	FRAMES AND GRATES (CASTINGS)	m ²	76.0
655.0201 M	FRAMES AND GRATES (FABRICATED)	m ²	83.0
655.0501 M	STEEL FABRICATED GRATES IN CAST FRAMES	m ²	2.0
657.0336 05 M	MEDIUM DUTY FLAP GATE, 900 MM	EA	3.0
657.0360 05 M	MEDIUM DUTY FLAP GATE, 1500 MM	EA	1.0
663.0104 M	DUCTILE IRON CEMENT LINED WATER PIPE, 4 NPS	m	3.0
663.0106 M	DUCTILE IRON CEMENT LINED WATER PIPE, 6 NPS	m	290.0
663.0108 M	DUCTILE IRON CEMENT LINED WATER PIPE, 8 NPS	m	640.0
663.0110 M	DUCTILE IRON CEMENT LINED WATER PIPE, 10 NPS	m	13.0
663.0112 M	DUCTILE IRON CEMENT LINED WATER PIPE, 12 NPS	m	270.0
663.0116 M	DUCTILE IRON CEMENT LINED WATER PIPE, 16 NPS	m	1990.0
663.0606 M	COPPER WATER SERVICE PIPE 1 1/2 NPS	m	20.0
663.1116 M	BUTTERFLY VALVE & VALVE BOX, 16 NPS	EA	12.0
663.1204 M	DOUBLE DISK GATE VALVE & VALVE BOX, 4 NPS	EA	1.0
663.1206 M	DOUBLE DISK GATE VALVE & VALVE BOX, 6 NPS	EA	30.0
663.1208 M	DOUBLE DISK GATE VALVE & VALVE BOX, 8 NPS	EA	7.0
663.1210 M	DOUBLE DISK GATE VALVE & VALVE BOX, 10 NPS	EA	1.0
663.1212 M	DOUBLE DISK GATE VALVE & VALVE BOX, 12 NPS	EA	6.0
663.1301 M	HYDRANT	EA	16.0
663.160806 M	TAPPING SLEEVE, VALVE & VALVE BOX ASSEMBLY, 8 NPS X 6 NPS	EA	3.0
663.161206 M	TAPPING SLEEVE, VALVE & VALVE BOX ASSEMBLY, 12 NPS X 6 NPS	EA	1.0
663.161606 M	TAPPING SLEEVE, VALVE & VALVE BOX ASSEMBLY, 16 NPS X 6 NPS	EA	3.0
663.161612 M	TAPPING SLEEVE, VALVE & VALVE BOX ASSEMBLY, 16 NPS X 12 NPS	EA	1.0

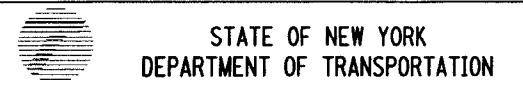
ESTIMATE OF QUANTITIES			
ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
663.2001 M	IRON WATER MAIN FITTINGS (3 NPS - 8 NPS)	kg	2500.0
663.2002 M	IRON WATER MAIN FITTINGS (10 NPS - 16 NPS)	kg	17500.0
663.2304 M	POLYETHYLENE ENCASEMENT FOR WATER PIPE, 4 NPS	m	3.0
663.2306 M	POLYETHYLENE ENCASEMENT FOR WATER PIPE, 6 NPS	m	286.0
663.2308 M	POLYETHYLENE ENCASEMENT FOR WATER PIPE, 8 NPS	m	635.0
663.2310 M	POLYETHYLENE ENCASEMENT FOR WATER PIPE, 10 NPS	m	13.0
663.2312 M	POLYETHYLENE ENCASEMENT FOR WATER PIPE, 12 NPS	m	268.0
663.2316 M	POLYETHYLENE ENCASEMENT FOR WATER PIPE, 16 NPS	m	1988.0
663.2506 M	WATER SERVICE CONNECTION, 1 1/2 NPS	EA	1.0
663.31 M	RELOCATE EXISTING HYDRANT	EA	16.0
663.33 M	ADJUST EXISTING VALVE BOX ELEVATION	EA	39.0
663.34 M	ADJUST EXISTING HYDRANT ELEVATION	EA	12.0
663.42 M	REMOVE AND DISPOSE OF EXISTING WATER VALVE & VALVE BOX	EA	49.0
663.46 M	REMOVE AND STORE EXISTING HYDRANT	EA	9.0
670.0112 M	FOUNDATION FOR LIGHT STANDARDS, 1.2 METERS LONG	EA	214.0
670.0118 M	FOUNDATION FOR LIGHT STANDARDS, 1.8 METERS LONG	EA	101.0
670.0124 M	FOUNDATION FOR LIGHT STANDARDS, 2.4 METERS LONG	EA	2.0
670.0130 M	FOUNDATION FOR LIGHT STANDARDS, 3.0 METERS LONG	EA	2.0
670.1001 05 M	LIGHT STANDARD, SPECIAL	EA	80.0
670.1002 05 M	LIGHT STANDARD, SPECIAL	EA	89.0
670.1003 05 M	LIGHT STANDARD, SPECIAL	EA	49.0
670.1004 05 M	LIGHT STANDARD, SPECIAL	EA	2.0
670.1509 M	ALUMINUM LIGHT STANDARDS FOR SINGLE DAVIT ARM, 9 METER MOUNTING HEIGHT	EA	99.0
670.1609 M	ALUMINUM LIGHT STANDARDS FOR DOUBLE DAVIT ARMS, 9 METER MOUNTING HEIGHT	EA	31.0
670.1718 M	ALUMINUM DAVIT ARM, 1.8 METERS LONG	EA	158.0
670.19 M	BREAKAWAY TRANSFORMER BASE (ALUMINUM)	EA	99.0
670.2602 M	RIGID PLASTIC CONDUIT, 2 NPS	m	15782.0
670.3006 M	PULLBOXES 0.14 CM TO 0.21 CM, INSIDE VOLUME (LIGHTING)	EA	80.0
670.77000105 M	MODIFY LIGHTING INSTALLATION	EA	1.0
670.77000205 M	MODIFY LIGHTING INSTALLATION	EA	1.0
670.77000305 M	MODIFY LIGHTING INSTALLATION	EA	1.0
670.77000405 M	MODIFY LIGHTING INSTALLATION	EA	1.0
670.77000505 M	MODIFY LIGHTING INSTALLATION	EA	1.0

FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	22	940
P.I.N. 5044.01		B.I.N.		
ERIE COUNTY				
FAC 58-14				
FAC 62-20				
FAC 54-9				

ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED
 AS BUILT REVISIONS

No
 SIGNATURE: *Allen Z...* DATE: *5-1-12*

ESTIMATE OF QUANTITIES



+ USER = p:\sep-2007\12-36
 DATE/TIME = 09-12-07 12:36
 DOC NAME = 504401.EST.06.dgn
 DESIGN SUPERVISOR
 JOB MANAGER
 DESIGNED BY
 CHECKED BY
 ESTIMATED BY
 DRAFTED BY
 CHECKED BY
 +

ESTIMATE OF QUANTITIES			
ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
670.80 M	REMOVE AND STORE LAMPOST ASSEMBLY	EA	216.0
670.82 M	REMOVE LAMPOST FOUNDATION	EA	216.0
675.10 23 M	FURNISH, PLACE AND COMPACT STONE BALLAST BASE COURSE	+	250.0
675.15 23 M	FURNISH AND PLACE STONE BALLAST SURFACING COURSE ON TRACKS	+	55.0
675.21 23 M	REMOVE EXISTING AND INSTALL CONTINUOUS WELDED RAIL STRING	m	215.0
675.31 23 M	REMOVE AND INSTALL WOOD CROSS TIES FOR CROSSINGS	EA	230.0
675.50 23 M	FURNISH AND INSTALL TIE PLATES	EA	466.0
675.51 23 M	FURNISH AND INSTALL RAIL ANCHORS	EA	466.0
675.82 23 M	RUBBER FLANGWAY FOR CROSSINGS	m	137.0
680.5050 05 M	REMOVE POLE FOUNDATIONS	m	2.0
680.510301 M	PULLBOX-CIRCULAR, 600 MILLIMETER DIAMETER, REINFORCED CONCRETE	EA	12.0
680.510401 M	PULLBOX-CIRCULAR, 750 MILLIMETER DIAMETER, REINFORCED CONCRETE	EA	24.0
680.520105 M	CONDUIT, METAL STEEL, ZINC COATED, 1 1/2 NPS	m	40.0
680.520110 M	CONDUIT, METAL STEEL, ZINC COATED, 4 NPS	m	85.0
680.520506 M	TRAFFIC SIGNAL CONDUIT, RIGID PLASTIC, CLASS 1, 2 NPS	m	350.0
680.53080305 M	CONDUIT, FLEXIBLE, LIQUID TIGHT NON METALLIC, 1 NPS	m	24.0
680.54 M	INDUCTANCE LOOP INSTALLATION	m	235.0
680.72 M	INDUCTANCE LOOP WIRE	m	655.0
680.79000105 M	REMOVE TRAFFIC SIGNAL INSTALLATION	ELOC	1.0
680.79000205 M	REMOVE TRAFFIC SIGNAL INSTALLATION	ELOC	1.0
680.79000305 M	REMOVE TRAFFIC SIGNAL INSTALLATION	ELOC	2.0
683.0602 05 M	HDPE INNERDUCT 31 MM ID	m	16400.0
685.11 M	WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES - 0.51MM	m	42007.0
685.12 M	YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES - 0.51MM	m	19823.0
685.13 M	WHITE EPOXY REFLECTORIZED PAVEMENT LETTERS - 0.51MM	EA	175.0
685.14 M	WHITE EPOXY REFLECTORIZED PAVEMENT SYMBOLS - 0.51MM	EA	57.0
688.01 M	WHITE PREFORMED REFLECTORIZED PAVEMENT STRIPES	m	3433.0
688.0402 05 M	YIELD LINE SYMBOLS - LARGE	EA	75.0
690.01000105 M	SPECIALITY WORK (GENERAL)	LS	1.0
690.01000205 M	SPECIALITY WORK (GENERAL)	LS	1.0
690.01000305 M	SPECIALITY WORK (GENERAL)	LS	1.0
690.01000405 M	SPECIALITY WORK (GENERAL)	LS	1.0
690.01000505 M	SPECIALITY WORK (GENERAL)	LS	1.0


ESTIMATE OF QUANTITIES			
ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
690.01000605 M	SPECIALITY WORK (GENERAL)	LS	1.0
690.01000705 M	SPECIALITY WORK (GENERAL)	LS	1.0
691.03 20 M	TRAINING REQUIREMENTS	DC	1000.0
697.03 M	FIELD CHANGE PAYMENT	DC	1330000.0
698.04 M	ASPHALT PRICE ADJUSTMENT	DC	100.0
698.05 M	FUEL PRICE ADJUSTMENT	DC	100.0
699.040001 M	MOBILIZATION	LS	1.0

FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	22A1	940
P.I.N. 5044.01		B.I.N.		
ERIE COUNTY				
FAC 58-14				
FAC 62-20				
FAC 54-9				

ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED

AS BUILT REVISIONS

Handwritten: THIS SHEET SUPPLEMENTED BY SHEET 27-A1F1


5-1-12
 SIGNATURE DATE

ESTIMATE OF QUANTITIES

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION


REGION 05	DATE 09/12/07	DRAWING NO. QUAN 6
--------------	------------------	-----------------------

Item Number	Description	Units
207.12	A-GEOTEXTILE DRAINAGE	SQM
45207.96	A-GEOSYNTHETIC REINFORCEMENT	SM
45209.1003	A-SEED AND MULCH TEMPORARY	SM
402.196901	A-19MM F9 SUPERPAVE HMA, 60 SERIES COMPACTION	MT
402.196911	A-PLANT PRODUCTION QUALITY ADJUSTMENT TO 402.196901	QU
45551.13	A-FURNISHING EQUIPMENT FORDRIVING PILES	LS
45554.0105	A-MECHANICALLY STABILIZED EARTH SYSTEM, NO COLOR, AS SHOWN ON PLANS	SQM
554.31	A-GEOSYNTHETIC REINFORCED EARTH SYSTEM SLOPE	SQM
07555.0194	A-STAINING CONCRETE SURFACES	SQM
562.0104	A-REINFORCED CONCRETE SPAN UNITS	SQM
564.510001	A-STRUCTURAL STEEL	KG
568.70	A-TRANSITION BRIDGE RAILING	M
569.04	A-SINGLE SLOPE (HALF-SECTION) CONCRETE BRIDGE BARRIER	M
589.5201	A-REMOVAL OF EXISTING STEEL	EA
603.6105	A-REINFORCED CONCRETE PIPE CLASS IV, 600MM DIA.	M
603.6110	A-REINFORCED CONCRETE PIPE CLASS IV, 1050MM DIA.	M
603.6111	A-REINFORCED CONCRETE PIPE CLASS IV, 1200MM DIA.	M
603.6112	A-REINFORCED CONCRETE PIPE CLASS IV, 1350MM DIA.	M
603.7303	A-REINFORCED CONCRETE PIPE END SECTION, 450MM DIAMETER	EA
603.7305	A-REINFORCED CONCRETE PIPE END SECTIONS, 600MM DIAMETER	EACH
603.7311	A-REINFORCED CONCRETE PIPE END SECTIONS, 1200MM DIAMETER	EACH
02603.981004	A-SMOOTH INTERIOR PERFORATED COORUGATED POLYETHYLENE UNDERDRAIN PIPE-100MM	M
45603.9927	A-POLYVINYL CHLORIDE PIPE, SANITARY SEWER GRAVITY, 450 MM DIA	M
604.300811	A-TYPE H DRAINAGE STRUCTURE WITH #11 FRAME	M
604.302122	A-TYPE U DRAINAGE STRUCTURE WITH #22 FRAME	M
606.3064	A-SINGLE SLOPE HALF SECTION BARRIER (MACHINE FORMED)	M
613.03	A-PLACING TOPSOIL-TYPE B	CM
614.0111	CARE OF TREES, UP TO .3M D.B.H.	EA
614.0314	TREE REMOVAL UP TO 150MM DBH STUMP GRUBBED	EA
08 615.6050	A-WOOD AND METAL BICYCLE RAILING	M
04 615.93	A-METAL PIPE BICYCLE RACK	EA
45 619.07	A-TEMPORARY BUSINESS SIGNS	SQM
619.1701	TEMPORARY CONCRETE BARRIER (UNPINNED)	M
620.07	A-GROUTED RIP-RAP	CM
623.10	A-SCREENED GRAVEL (IN-PLACE MEASURE)	CM
645.830302	A-TYPE B SIGN POST, GALV, W150X18.8, BIDIRECTIONAL BREAKAWAY	EA
06 646.060101	A-DELINEATOR, LARGE, WHITE, SINGLE OR DOUBLE, 1-WAY POST MOUNT	EA
06 646.060402	A-DELINEATOR LARGE, WHITE, SINGLE OR DOUBLE, BACK TO BACK, BRACKET MOUNT	EA
08 660.2130	A-FURNISH & INSTALL STEEL CASING 30 NPS (O.D.)	M
45 663.0104	A-DUCTILE IRON CEMENT LINED WATER PIPE, 4 NPS	M
663.161608	A-TAPPING SLEEVE, VALVE & VALVE BOX ASSEMBLY, 16 NPS X 8 NPS	EACH
45 663.2506	A-WATER SERVICE CONNECTION 1.5 NPS	EA
10 670.9110	A-WOOD POLE	EA
680.700606	A-RISER ASSEMBLY 2"NPS DIAMETER	EA
05 690.010008	A-SPECIALTY WORK (GENERAL)	LS
05 690.010009	A-SPECIALTY WORK (GENERAL)	LS
950.01	A-SUBSURFACE EXPLORATION	DC
950.02	A-TREATMENT OF CONTAMINATED GROUND WATER	DC
950.03	A-TRANSPLANTING TREES	DC
950.04	A-CIP PILES, CONCRETE CLASS & EPOXY BAR CHANGE & STEEL COST INCREASE-TIFFT BRIDGE	M
950.06	A-RE-ESTABLISH 6" WATER SERVICE AT 233 FUHRMANN BLVD.	DC
950.07	A-REMOVE AND DISPOSE STEEL DRUMS	DC
950.08	A-REMOVE AND STORE COBBLE STONE	DC
950.09	A-HYMAX COUPLERS	DC
950.11	A-CORE DRILLING FOR CAST IN PLACE CONCRETE PILES	M
950.13	A-FENCE LAGGING WALL	DC
950.14	A-ADDITIONAL PILE COST - OHIO STREET	LM
950.15	A-TIFFT NATURE PRESERVE - HOT ROCK WATER METER	DC

Item Number	Description	Units
950.16	A-CONCRETE THRUST BLOCK IN LIEU OF FLAP GATE	EA
950.17	A-RESET DRAINAGE STRUCTURES PER DESIGN CHANGE	DC
950.18	A-CAST IN PLACE PILE RE-DRIVING	DC
950.19	A-RELOCATION OF TWO (2) - 50 MM WATER SERVICES	DC
950.20	A-ADDITIONAL COST FOR SCREENED GRAVEL	CM
950.21	A-CAST-IN-PLACE CONCRETE PILES (406MM DIA) - CONCRETE & BAR CHG & STEEL COST INCREASE	M
950.22	A-ROCK: TRENCH & CULVERT EXCAVATION	DC
950.23	A-NY '5' DETOUR REALIGNMENT	DC
950.24	A- CONCRETE FOR STRUCTURES MATERIAL COST INCREASE - INTEGRAL COLOR	CM
950.25	A-MATERIAL COST INCREASE - CANTILEVER SIGN STRUCTURE	DC
950.26	A-CONCRETE GUTTER BEHIND MSES WALLS	SM
950.27	A-MATERIAL COST INCREASE-OVERHEAD SIGN STRUCTURE	CM
950.28	A-ASYMMETRICAL MEDIAN BARRIER FOOTER	DC
950.29	A-REMOVED & REPAIR CONCRETE MEDIAN BARRIER AT CSX BRIDGE	DC
950.30	A-INSTALL COBBLE STONES AT MEDIAN BULLNOSE	SQM
950.31	A-DELINEATOR, LARGE, WHITE, SINGLE OR DOUBLE, EXISTING POST	EA
950.32	A-ADD'L COST DUE TO TIME DELAY- ITEM # 05670.1001 LIGHT-SINGLE ARM	EA
950.33	A-ADD'L COST DUE TO TIME DELAY- ITEM # 05670.1002 LIGHT-DOUBLE ARM	EA
950.34	FAW-IMPROVING OVERHEAD BRIDGE CLEARANCE	LS
950.35	FAW-GUIDE RAIL REPAIRS	DC
950.36	A-HES CONCRETE FOR CROSSWALKS	CM
950.37	A-ADDITIONAL COST FOR GPS MODELING	DC
950.38	A-NFTA BOAT HARBOUR MULTI-COLORED SIGNS	EACH
950.39	A-"LAUNCH" OVERLAY ON EXISTING GROUND MOUNTED SIGNS	EACH
950.40	FAW-MILL & SHIM ARCHES, RESET COPING @ TIFFT NATURE PRESERVE	DC
950.41	A-RELOCATE NFTA GATES & SIGNS AND WIDEN DRIVEWAY	DC
950.42	A-INSTALL MANHOLES FOR I.T.S. SYSTEM	DC
950.43	A-TIRE AND RAILROAD TIE REMOVAL AND DISPOSAL	DC
950.44	A-WIRING FOR GFI OUTLETS ON LIGHT STANDARDS	EA
950.45	FAW-SEWER RELOCATIONS AT STATION FB 1+575 & FB 2+655	LS
950.47	FAW-MILL & SHIM RTE 5 & INSTALL WEEPS AT CON-SPANS	LS
950.49	A-LOWER 16 NPS WATERLINE AT STATION F 4+797.8, RT	LS
950.50	A-HYDRANT W-1B ACCIDENT REPAIR AT STA F 3+896, LT	LS
950.51	A-RESTORING 3/4 NPS WATER SERVICE CONNECTION	LS
950.52	A-MAINTENANCE OF PLANTINGS	DC
950.53	A-REMOVE RAILROAD CROSSING	DC
950.54	A-ADDITIONAL MATERIAL COST FOR SCHEDULE 80 CONDUIT	DC
950.55	A-CORE BORE FOR CONDUIT INSTALLATION	DC
950.56	A-INSTALL TWO 5 NPS CONDUITS SUPPLIED BY OTHERS	DC
950.57	A-DELIVER & INSTALL LIGHT POLES & BASES SUPPLIED BY OTHERS	DC
950.58	A-ROAD CUT EXISTING PAVEMENT FOR CONDUIT	M
950.59	A-INSTALL CASING FOR I.T.S. INNERDUCT	M
950.60	A-RELOCATE LIGHTING COMPONENTS	DC
950.61	A-ROAD CUT EXISTING PAVEMENT FOR POWER FEED CONDUIT	M
950.63	A-INSTALL GROUND WIRE ASSISTED BY UTILITY COMPANY FORCES	DC
950.64	A-FURNISHING I.T.S INNERDUCT CONDUIT	DC
950.65	A-FURNISHING DECORATIVE LIGHT POLES	DC
950.66	A-REMOVE FOUNDATION & RECONNECT WITH PULLBOX, FRAME & COVER	DC
950.67	A-REPLACE PULLBOX FRAMES & COVERS	DC
950.68	A-HYDRANT SPLASH PADS	DC
950.69	A-FURNISHING WOODEN BOLLARDS	DC
950.70	A-FURNISH CAST STONE SIGNS	DC
950.71	A-FURNISHING G.R.E.S. WELDED WIRE FORMS	DC
950.72	A-INCREASE TO CAST STONE SIGNS (ITEM 05690.010007)	DC
950.73	FAW-EXPOSE FOOTERS @ OUTER HARBOR BRIDGE	LS
950.74	FAW-REPAIR BOLLARDS & RESET CURB	LS
950.75	FAW-REHANG ENTRY GATES AT SMALL BOAT HARBOR	LS
950.76	FAW-FURNISH & INSTALL CONCRETE BARRIER @ STA XD 1+300 RT	LS

FED. ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	22A1F1	940
P.I.N. 5044.01		B.I.N.		
ERIE COUNTY				
FAC 58-14				
FAC 62-20				
FAC 54-9				

FIELD REVISION SHEET
THIS SHEET SUPPLEMENTS SHEET 22A1

AS BUILT REVISIONS		
No		
	1-29-13	
SIGNATURE	DATE	
NEW ITEMS ADDED BY ORDER-ON-CONTRACT		
STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION		
REGION 5	DATE 1/16/2013	DRAWING NO. QUAN 7

DESIGN SUPERVISOR J. HUBERT
 JOB MANAGER J. HUBERT
 DESIGNED BY J. HUBERT
 CHECKED BY J. HUBERT
 ESTIMATED BY J. GEASLING
 DRAFTED BY P. BORKOWSKI
 CHECKED BY J. GEASLING

FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	23	940
P.I.N. 5044.01		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD., FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				

ALIGNMENT			LANDSCAPE			ROADWAY		
STYLE	NAME	DESCRIPTION	STYLE	NAME	DESCRIPTION	STYLE	NAME	DESCRIPTION
	AC	CONTROL (CENTERLINE)		LABL	AREA, BRUSH LINE		RC	GUIDE RAIL, MISCELLANEOUS
	AD_P	DETOUR		LAHR	AREA, HEDGE ROW		RGB	GUIDE RAIL, BOX BEAM
	AT_P	TRANSITION CONTROL		LAPB	AREA, PLANTING BED		RGBM	GUIDE RAIL, BOX BEAM, MEDIAN
BRIDGE				LAWA	AREA, WOODED AREA OUTLINE		RGC	GUIDE RAIL, CABLE
	BR	RAIL		LAWL	AREA, WATERS EDGE		RCCB	GUIDE RAIL, CONCRETE BARRIER
	BSHT	SHEET PILING		LCUT_P	CUT LIMIT		RGP_P	GUIDE POST
CONTROL				LFILL_P	FILL LIMIT		RGW	GUIDE RAIL, W BEAM
	CB	BASELINE		LFNC	FENCE		RGWM	GUIDE RAIL, W BEAM, MEDIAN
	CBPR	BASELINE, PROJECTION		LTRC	TREE ROW, CONIFEROUS		RPB	PARKING BUMPER
DRAINAGE				LTRD	TREE ROW, DECIDUOUS		RRC	RAIL ROAD, CATENARY
	DCP	CULVERT PIPE		LWH	WALL, H PILE		RRER	RAIL ROAD, 3RD RAIL
	DCP_P	CULVERT PIPE (DIR)		LWR	WALL, RETAINING		RRPLS_P	RAIL, PHOTO, LARGE SCALE
	DDG_P	DITCH, GRASS LINED		LWS	WALL, STONE		RRPSS	RAIL, PHOTO, SMALL SCALE
	DDP_P	DITCH, PAVED INVERT	ROW MAPPING				RRS	RUMBLE STRIP
	DDS_P	DITCH, STONE LINED		MDL	DEED LINE		RRSL_S_P	RAIL, SURVEY, LARGE SCALE
	DFL_P	FLOW LINE		MEE	EASEMENT, EXISTING		RRSS	RAIL, SURVEY, SMALL SCALE
	DSSD	SLOTTED DRAIN		MEP_P	EASEMENT, PERMANENT	STRIPING		
ENVIRONMENTAL				MEPA_P	EASEMENT, PERMANENT, APPROX.		STB	BROKEN LINE
	EBLHS	BALE, HAY/STRAW		MET_P	EASEMENT, TEMPORARY		STDB	DOUBLE BROKEN LINE
	ECT	CURTAIN, TURBIDITY		META_P	EASEMENT, TEMPORARY, APPROX.		STDL	DOTTED LINE LONG
	EDMC	DAM, COFFER TYPE		MF_P	FEE ACQUISITION, W/ ACCESS		STDS	DOTTED LINE SHORT
	EDMEC_P	DAM, EARTHEN, CHECK		MFA_P	FEE ACQUISITION, APPROXIMATE		STFB	FULL BARRIER LINE
	EDMPC_P	DAM, PREFAB, CHECK		MFS_P	FEE ACQUISITION, SHAPE		STH	HATCH LINE
	EDMSC_P	DAM, STONE, CHECK		MFWOA_P	FEE ACQUISITION, W/O ACCESS		STPB	PARTIAL BARRIER LINE
	EFNS	FENCE, SILT		MHB	HIGHWAY BOUNDARY		STRCT	ROUNDAABOUT, CAT TRACKS
	EFNSV	FENCE, SILT & VEGETATION		MHBA	HIGHWAY BOUNDARY, APPROX.		STRYL	ROUNDAABOUT, YIELD LINE
	EFNV	FENCE, VEGETATION		MHBW	Hwy BOUNDARY, FACE OF WALL		STSB	STOP BAR
	EWAA_P	WETLAND, ADJACENT AREA		MHBWOA	HIGHWAY BOUNDARY, W/O ACCESS		STSE	SOLID, EDGE
	EWF	WETLAND, FEDERAL		MJC	JURISDICTION, CITY		STXL	X WALK, LADDER LINE
	EWFs	WETLAND, FEDERAL AND STATE		MJCY	JURISDICTION, COUNTY	* = W (WHITE) OR Y (YELLOW)		
	EWM	WETLAND, MITIGATION AREA		MJHD	JURISDICTION, HISTORIC DISTRICT	TRAFFIC CONTROL		
	EWS	WETLAND, STATE		MJLL	JURIS., (GREAT, MILITARY) LOT LINE		TCSW	SIGNAL, SPAN WIRE
SIGNS				MJN	JURISDICTION, NATION	TRAFFIC MAINTENANCE		
	SBLB	BILLBOARDS		MJPB	JURISDICTION, PUBLIC LANDS		TMBCD_P	BARRICADES
	SM	MULTIPLE POST		MJS	JURISDICTION, STATE		TMBCD_L_P	BARRICADES, LIGHTED
	SSO	STRUCTURE, OVERHEAD		MJT	JURISDICTION, TOWN		TMBT_P	BARRIER, TEMPORARY
	SSOC	STRUCTURE, OVHD. CANTILEVER		MJV	JURISDICTION, VILLAGE		TMBT_L_P	BARRIER, TEMPORARY, LIGHTED
				MPL	PROPERTY LOT LINE		TMDB_P	DEVICE, BARRELS
				MPLA	PROPERTY LOT LINE, APPROXIMATE		TMDBL_P	DEVICE, BARRELS, LIGHTED
				MSL	SUB LOT LINE		TMDC_P	DEVICE, CONES

UTILITIES CONT'D.		
STYLE	NAME	DESCRIPTION
	UES	ELECTRIC, SUBSTATIONS
	UFO	FIBER OPTIC, UNDERGROUND
	UFOH	FIBER OPTIC, HANGING
	UFOO	FIBER OPTIC, OVERHEAD
	UG	GAS, UNDERGROUND
	UGH	GAS, HANGING
	UGO	GAS, OVERHEAD
	UIC	INFORM CABLE, UNDERGROUND
	UICH	INFORM CABLE, HANGING
	UO	OIL LINE, UNDERGROUND
	UOH	OIL LINE, HANGING
	UPBP	POLE, BRACE, PUSH BRACE
	UPBW	POLE, GUY WIRE
	USA	SANITARY SEWER, UNDERGROUND
	USAH	SANITARY SEWER, HANGING
	USAF	SANITARY SEWER, FORCE MAIN, UGND
	USAFH	SANITARY SEWER, FORCE MAIN, HANG
	UT	TELEPHONE, UNDERGROUND
	UTH	TELEPHONE, HANGING
	UTO	TELEPHONE, OVERHEAD
	UTV	CABLE TV, UNDERGROUND
	UTVH	CABLE TV, HANGING
	UTVO	CABLE TV, OVERHEAD
	UU	UNKNOWN, UNDERGROUND
	UUH	UNKNOWN, HANGING
	UUO	UNKNOWN, OVERHEAD
	UW	WATER LINE, UNDERGROUND
	UWH	WATER LINE, HANGING
	UWO	WATER LINE, OVERHEAD

1. THE LEGEND ILLUSTRATES MAPPING FEATURES (EXISTING AND PROPOSED).
2. FEATURES ARE SHOWN AS EITHER LINEAR (ROADWAY GUIDERAIL, ROADWAY SIDEWALK, UTILITY LINES, ETC.) OR POINT (SIGN, UTILITY POLE, ETC.)
3. FEATURES SHOWN ON THE LEGEND AS EXISTING FEATURES ALSO HAVE CORRESPONDING PROPOSED FEATURES.
4. PROPOSED FEATURE SYMBOLOGY IS IDENTICAL TO EXISTING FEATURE SYMBOLOGY EXCLUDING LINE WEIGHT. LINE WEIGHT FOR PROPOSED FEATURES IS THICKER (0.40 MM ON B SIZE DRAWINGS).
5. MAPPING FEATURES NOT INCLUDED ON THE LEGEND SHEET DO NOT HAVE A UNIQUE SYMBOLOGY (SUCH AS THE PAVEMENT EDGE, PAVEMENT EDGE OF TRAVEL WAY) AND SHOULD BE LABELED ON THE PLANS.
6. FEATURES SHOWN AT THE HEAVIER WEIGHT ARE PROPOSED ONLY AND DO NOT HAVE CORRESPONDING EXISTING FEATURES.

ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED
AS BUILT REVISIONS

No

[Signature] 5-1-12
SIGNATURE DATE

LEGEND

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
REGION 5

PB AMERICAS, INC. DATE 09/07/07 DRAWING NO. L-1

FILE: g:\pmap\cad\region 5\5044\project\proj\highway_design\ign504401_cph_b_001.dgn
 PLOTTED BY: McClina

DESIGN SUPERVISOR J. HUBERT
 JOB MANAGER J. HUBERT
 DESIGNED BY J. GEASLING
 CHECKED BY J. HUBERT
 ESTIMATED BY J. GEASLING
 CHECKED BY J. GEASLING
 DRAFTED BY P. BORKOWSKI
 CHECKED BY J. GEASLING
 +

ALIGNMENT			BRIDGE			ROADWAY			ITS			UTILITIES		
CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION
⊗	ACC	CENTER OF CURVATURE	□	BSC	BRIDGE, SCUPPER	⊙	RES P	ELEVATION, SPOT	⊕	IANT P	ANTENNAS	⊞	UEB	ELECTRIC, BOX
+	ACOGO	COGO	DRAINAGE			⊗	RGA	GUIDE RAIL, ANCHOR	⊞	IASCTS	ACCOU. SPEED/COUNT SNSR.S	⊞	UEM	ELECTRIC, METER
⊙	ACS	CURVE TO SPIRAL				⊙	RGP	GUIDE POST, SINGLE	⊞	ICABPAD	CABINET & PAD	⊞	UEMH	ELECTRIC, MANHOLE
△	ADPI_P	DETOUR, POINT OF INTERSECT.	+	DINV	INVERT	PAVEMENT HATCHING			⊞	ICCTV	CCTV SITE	⊞	UEPT	ELECTRIC, POLE, TRANS.
⊙	ADPL_P	DETOUR, POINT ON LINE	▨	DS	STRUCTURE, RECTANGULAR				▨	ASPHALT MILLING & OVERLAY	⊞	ICDPD	COPD TRANSCEIVER	⊞
⊙	AEQN	EQUATION	+	DSI	STRUCTURE, INVERT	▨	FULL DEPTH RECONSTRUCTION	⊞	ICELLT	CELL PHONE TOWER	⊞	UGMH	GAS, MANHOLE	
⊙	AEQNAHD	EQUATION AHEAD	⊙	DSM	STRUCTURE, MANHOLE	▨	UNCLASSIFIED EXCAVATION & REMOVAL (SEE NOTE 1, DWGS. PL-1 THRU PL-55)	⊞	ICJB	CONDUIT JACK OR BORING	⊞	UGLM	GAS, LINE MARKER	
⊙	AEQNBK	EQUATION BACK	⊗	DSMTXX_P	STRUCTURE, MANHOLE, TYPE "XX" "XX" = F, G, N, O, P, R	SIGNS			⊞	ICNTLCAB	CONTROLLER CABINET	⊞	UGP	GAS/FUEL PUMP
⊙	AEVT	EVENT STATION	⊗	DSR	STRUCTURE, ROUND				⊞	S	SINGLE POST	⊞	ICPB	COMMUNICATION PULL BOX
⊙	APC	POINT OF CURVATURE	⊗	DST"X" P	STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R	⊞	SB P	BACK TO BACK, PROPOSED	⊞	ICTD	CONDUIT TURNING DOWN	⊞	UGVT	GAS, VENT
⊙	APCC	POINT OF COMPOUND CURVATURE	⊗	DST"X" P	STRUCTURE, RECT., TYPE "X" "X" = I, K, L, M, O, P, U	⊞	S P	SINGLE POST, PROPOSED	⊞	ICTU	CONDUIT TURNING UP	⊞	ULP	LIGHTING, POLE
△	API	POINT OF INTERSECTION	ENVIRONMENTAL			⊞	S P	SINGLE POST, PROPOSED	⊞	ICVTRT	COMM. VEH. ROAD TRANSCVR.	⊞	ULPM	LIGHTING, POLE, MEDIAN
△	APOB	POINT OF BEGINNING				⊞	SDEL	DELINEATORS	⊞	SB P	BACK TO BACK, PROPOSED	+	IDEFAULT	DEFAULT
⊙	APOC	POINT OF CURVATURE	⊞	SPM	PARKING METER	⊞	S P	SINGLE POST, PROPOSED	⊞	IEZR	EZ-PASS READER	⊞	UMFC	MISC. FILLER CAP
△	APOE	POINT OF END	⊞	SRM	REFERENCE MARKERS	⊞	S P	SINGLE POST, PROPOSED	⊞	IEZTR	TRANSMITTAL READER	⊞	UOLM	OIL, LINE MARKER
⊙	APOL	POINT ON LINE	⊞	SRSC3	SHLD, CTY, 123 DIG.	⊞	S P	SINGLE POST, PROPOSED	⊞	IFXCAB	FIBER OPTIC X-CONNECT CAB.	⊞	UP	POLE, WITH UTILITY
⊙	APOS	POINT ON SPIRAL	⊞	SRSC4	SHLD, CTY, 4 DIG.	⊞	S P	SINGLE POST, PROPOSED	⊞	IFUSSPL	FUSION SPLICE	⊞	UPD	POLE, DEAD (NO UTILITY)
⊙	APOT	POINT ON TANGENT	⊞	SRSC4	SHLD, CTY, 4 DIG.	⊞	S P	SINGLE POST, PROPOSED	⊞	IHARADV	HAR ADVISORY SIGN	⊞	UPL	POLE, WITH LIGHT
△	APOVC	POINT ON VERTICAL CURVE	⊞	SRSC4	SHLD, CTY, 4 DIG.	⊞	S P	SINGLE POST, PROPOSED	⊞	IHARST	HAR SITE	⊞	USMH	SANITARY SEWER MANHOLE
△	APOVT	POINT ON VERTICAL TANGENT	⊞	SRSC4	SHLD, CTY, 4 DIG.	⊞	S P	SINGLE POST, PROPOSED	⊞	ILC	LOAD CENTER	⊞	UTB	TELEPHONE, BOOTH
Y	APORC	POINT ON REVERSE CURVE	⊞	SRSC4	SHLD, CTY, 4 DIG.	⊞	S P	SINGLE POST, PROPOSED	⊞	IMECSPL	MECHANICAL SPLICE	⊞	UTLM	TELEPHONE, LINE MARKER
⊙	APT	POINT OF TANGENCY	⊞	SRSC4	SHLD, CTY, 4 DIG.	⊞	S P	SINGLE POST, PROPOSED	⊞	IMSCS	PORT. SPEED & COUNT SENS	⊞	UTMH	TELEPHONE, MANHOLE
⊙	APVC	POINT OF VERTICAL CURVATURE	⊞	SRSC4	SHLD, CTY, 4 DIG.	⊞	S P	SINGLE POST, PROPOSED	⊞	IMSCTS	MICRO SPEED & COUNT SNSR.	⊞	UTVLM	CABLE TV, LINE MARKER
△	APVCC	POINT OF VERT. CMPND CURVE	⊞	SRSC4	SHLD, CTY, 4 DIG.	⊞	S P	SINGLE POST, PROPOSED	⊞	IMT	MICROWAVE TRANSMITTER	⊞	UTVPB	CABLE TV, PULL BOX
⊙	APVI	POINT OF VERT. INTERSECTION	⊞	SRSC4	SHLD, CTY, 4 DIG.	⊞	S P	SINGLE POST, PROPOSED	⊞	IOVHVS	PERM. OVERHEAD VMS	⊞	UUB	UNKNOWN, BOX
△	APVRC	POINT OF VERT. REVERSE CURVE	⊞	SRSC4	SHLD, CTY, 4 DIG.	⊞	S P	SINGLE POST, PROPOSED	⊞	IPASCS	PORT. ACC. SPD & CNT SNSR.	⊞	UUB	UNKNOWN, BOX
⊙	APVT	POINT OF VERTICAL TANGENCY	⊞	SRSC4	SHLD, CTY, 4 DIG.	⊞	S P	SINGLE POST, PROPOSED	⊞	IPEDS	PEDESTRIAN SIGNAL HEAD	⊞	UUB	UNKNOWN, BOX
⊙	ASC	SPIRAL TO CURVE	⊞	SRSC4	SHLD, CTY, 4 DIG.	⊞	S P	SINGLE POST, PROPOSED	⊞	IPSS	PAVEMENT SURFACE SNSR.	⊞	UUB	UNKNOWN, BOX
⊙	ASPI	SPIRAL POINT OF INTERSECTION	GEOTECHNICAL			⊞	S P	SINGLE POST, PROPOSED	⊞	IPVMS	PERM. VMS	⊞	UUB	UNKNOWN, BOX
⊙	ASTS	SPIRAL TO SPIRAL				⊞	TCBJ	BOX, JUNCTION	⊞	S P	SINGLE POST, PROPOSED	⊞	IRM	RAMP METER
⊗	AST	SPIRAL TO TANGENT	LANDSCAPE			⊞	TCBP	BOX, PULL BOX	⊞	IRWIS	RDWY WEATHER INFO. SNSR.	⊞	UUB	UNKNOWN, BOX
⊗	ATS	TANGENT TO SPIRAL				CELL	NAME	DESCRIPTION	⊞	TCBS	BOX, SPLICE	⊞	ISP	SOLAR PANEL
△	AVEVT	VERTICAL EVENT POINT	+	LELS	ELEVATION, SPOT	⊞	TCMC	MICROCOMPUTER CABINET	⊞	ISST	SPREAD SPECT. TRANSCEIVER	⊞	UUB	UNKNOWN, BOX
⊙	AVHIGH	VERTICAL HIGH POINT	⊞	LFP	FLAG POLE	⊞	TCPP	PED POLE	⊞	ITOB	TELEPHONE DEMARCATION BLK	⊞	UUB	UNKNOWN, BOX
⊙	AVLOW	VERTICAL LOW POINT	⊞	LMB	MAILBOX	⊞	TCSH	SIGNAL HEADS	⊞	ITP	SUBSURFACE TEMP. PROBE	⊞	UUB	UNKNOWN, BOX
CONTROL			⊞	LPB	PAPER BOX	⊞	TCSP	SIGNAL POLE	⊞	IVTRT	VEHICLE TO RDWY TRANSCEIVER	⊞	UUB	UNKNOWN, BOX
			⊞	LPST	POST, SINGLE	⊞	TCSP	SIGNAL POLE	⊞	IWIMD	WEIGHT IN MOTION DETECTOR	ROW ACQUISITION		
△	CBP	BASELINE, POINT	⊞	LRB	ROCK, BOULDER	⊞	TCSP	SIGNAL POLE	⊞	IWVR	WIRELESS VIDEO REPEATER			
⊙	CBPOL	BASELINE, POINT ON LINE	⊞	LSHC	SHRUB, CONIFEROUS	⊞	TCSP	SIGNAL POLE	⊞	IWVRC	WIRELESS VIDEO RECEIVER	⊞	METS_P_T	EASEMENT, PERMANENT
⊙	CBSP	BASELINE, SPUR POINT	⊞	LSHD	SHRUB, DECIDUOUS	⊞	TCSP	SIGNAL POLE	⊞	IWVTT	WIRELESS VIDEO TRANSMITTER	⊞	METS_P_T	EASEMENT, TEMPORARY
⊗	CBTP	BASELINE, TIE POINT	⊞	LTC	TREE, CONIFEROUS	⊞	TCSP	SIGNAL POLE	⊞			⊞	METS_P_T	OCCUPANCY, TEMPORARY
⊞	CPBM	BENCHMARK	⊞	LTD	TREE, DECIDUOUS	⊞	TCSP	SIGNAL POLE	⊞			⊞	METS_P_T	OCCUPANCY, TEMPORARY
⊞	CPH	POINT, HORIZ. PHOTOGRAMMETRY	⊞	LTS	TREE, STUMP	⊞	TCSP	SIGNAL POLE	⊞			⊞	MFS_P_T	FEE ACQUISITION W/O ACCESS
⊞	CPSM	POINT, SURVEY MARKER, PERM.	⊞	LTW P	TREE, WELL OR WALL	⊞	TCSP	SIGNAL POLE	⊞			⊞		
⊞	CPSV	POINT, VERT., PHOTOGRAMMETRY	+	LUKP	UNKNOWN POINT	⊞	TCSP	SIGNAL POLE	⊞			⊞		

FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	24	940
P.I.N. 5044.01		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD, FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				

ROW MAPPING		
CELL	NAME	DESCRIPTION
⊞	MDL1P	DEED LINE, TYPE 1
⊞	MDL2P	DEED LINE, TYPE 2
⊞	MDL3P	DEED LINE, TYPE 3
⊞	MDL4P	DEED LINE, TYPE 4
⊞	MDL5P	DEED LINE, TYPE 5
⊞	MEEP	EASEMENT, EXISTING
⊞	MEPAP_P	EASEMENT, PERM., APPROX.
⊞	MEPP_P	EASEMENT, PERM., BACK LINE
⊞	MEPSP_P	EASEMENT, PERM., SHAPE
⊞	MFAP_P	FEE ACQUISITION, APPROX.
⊞	MFP_P	FEE ACQUISITION, BACK LINE
⊞	MFSP_P	FEE ACQUISITION, SHAPE
⊞	MHBAP	HIGHWAY BNDRY., APPROX.
⊞	MHBCP	HISTORICAL, BLDG. CORNERS
⊞	MHBP	HIGHWAY BNDRY, PT.
⊞	MJCP	PT., JURIS. CITY
⊞	MPBC	PT., BUILDING CORNER
⊞	MPCC	PT., CROSS CUT
⊞	MPDH	PT., DRILL HOLE
⊞	MPF	PT., FENCE LOCATION
⊞	MPIP	PT., IRON PIPE
⊞	MPIR	PT., IRON ROD
⊞	MPM	PT., MONUMENT
⊞	MPMM	PT., MONUMENT, MISC.
⊞	MPN	PT., NAIL
⊞	MPRS	PT., RAILROAD SPIKE
⊞	MPSP	PT., SPIKE
⊞	MPST	PT., STAKE
⊞	MPTW	PT., TREE W/ WIRE
⊞	MPWL	PT., WALL LOCATION

1. THE LEGEND ILLUSTRATES MAPPING FEATURES (EXISTING AND PROPOSED).
2. FEATURES ARE SHOWN AS EITHER LINEAR (ROADWAY GUIDERAIL, ROADWAY SIDEWALK, UTILITY LINES, ETC.) OR POINT (SIGN, UTILITY POLE, ETC.).
3. FEATURES SHOWN ON THE LEGEND AS EXISTING FEATURES ALSO HAVE CORRESPONDING PROPOSED FEATURES.
4. PROPOSED FEATURE SYMBOLOGY IS IDENTICAL TO EXISTING FEATURE SYMBOLOGY EXCLUDING LINE WEIGHT. LINE WEIGHT FOR PROPOSED FEATURES IS THICKER (0.40 MM ON B SIZE DRAWINGS).
5. MAPPING FEATURES NOT INCLUDED ON THE LEGEND SHEET DO NOT HAVE A UNIQUE SYMBOLOGY (SUCH AS THE PAVEMENT EDGE, PAVEMENT EDGE OF TRAVEL WAY) AND SHOULD BE LABELED ON THE PLANS.
6. FEATURES SHOWN AT THE HEAVIER WEIGHT ARE PROPOSED ONLY AND DO NOT HAVE CORRESPONDING EXISTING FEATURES.

ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED

AS BUILT REVISIONS

No

[Signature] 5-1-12
SIGNATURE DATE

LEGEND

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
REGION 5

PB AMERICAS, INC. DATE 09/07/07 DRAWING NO. L-2

FILE: G:\NYSDOT\CADD\res\project\batch_plot\8_mysheet11
 PLOTTED BY: McChinn
 DATE: 9/16/2007 4:24:35 PM

DESIGN SUPERVISOR J. HUBERT
 JOB MANAGER J. HUBERT
 DESIGNED BY J. GEASLING
 CHECKED BY D. MELNIK
 ESTIMATED BY J. GEASLING
 DRAFTED BY P. BORKOWSKI
 CHECKED BY J. GEASLING

GENERAL NOTES

- MATERIAL AND CONSTRUCTION SPECIFICATIONS: STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, OFFICE OF ENGINEERING, DATED JANUARY 2, 2002, AS AMENDED BY ADDENDUM NO'S. 1 AND 2, EXCEPT AS MODIFIED ON THESE PLANS AND IN THE ITEMIZED PROPOSAL.
- UTILITY LOCATION
 QUALITY LEVEL A: THE HIGHEST DEGREE OF ACCURACY: THE UTILITY INFORMATION ON THE CONTRACT PLANS HAS BEEN FIELD LOCATED AND VERIFIED BY EXCAVATION, WHEN APPROPRIATE.

 QUALITY LEVEL B: SUBSURFACE GEOPHYSICAL LOCATION TECHNIQUES (IE, UNDERGROUND CAMERAS, RADAR, SONAR, TONE OUTS, ETC.) AND EXISTING RECORD PLANS HAVE BEEN USED TO LOCATE UTILITIES. NO EXCAVATIONS WERE PERFORMED.

 QUALITY LEVEL C: RECORD INFORMATION PROVIDED BY UTILITY OWNERS WAS PLOTTED ON THE CONTRACT PLANS. DEPTHS WERE NOT FIELD VERIFIED. PHYSICAL SURFACE FEATURES LIKE MANHOLES, VALVE BOXES AND HYDRANTS HAVE BEEN FIELD LOCATED.

 QUALITY LEVEL D: EXISTING NYSDOT AND UTILITY COMPANY RECORDS WERE USED TO LOCATE SUBSURFACE UTILITIES.

 THE DEGREE OF ACCURACY REGARDING UTILITY FACILITIES IS AS SHOWN BELOW, UNLESS OTHERWISE INDICATED ON THE PLANS:
 SANITARY SEWER (BUFFALO SEWER AUTHORITY) = QLB
 STORM SEWER (BUFFALO SEWER AUTHORITY) = QLB
 WATER (BUFFALO WATER AUTHORITY) = QLB
 GAS (NATIONAL FUEL) = QLB
 ELECTRIC (NATIONAL GRID) = QLB
 TELEPHONE (VERIZON) = QLB

 REFER TO GRADING, EROSION AND SEDIMENT CONTROL PLANS FOR THE LOCATION OF STORMWATER TREATMENT SWALES.
- ALL EXISTING DRAINAGE PIPES TO REMAIN IN SERVICE SHALL BE CLEANED UNLESS OTHERWISE NOTED.
- INLET STRUCTURE TYPES MAY BE CHANGED A.O.B.E TO ACCOMMODATE FIELD CONDITIONS.
- SEE DRAWING DD-10 FOR TYPICAL STORM PVC BLIND CONNECTION DETAIL.
- A (NO-FEE) STAGING AREA PERMIT IS REQUIRED FOR SHORT AND LONG TERM TEMPORARY OCCUPANCY OF STATE OWNED LAND UNDER THE MAINTENANCE JURISDICTION OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION, WITHIN OR OUTSIDE THE PROJECT LIMITS.

 A STAGING AREA PERMIT IS NEEDED FOR EACH DISCONTINUOUS AREA USED FOR A FIELD OFFICE FACILITY, STORAGE OF CONSTRUCTION SUPPLIES, EQUIPMENT AND VEHICLES, STOCKPILING OF SOIL, AGGREGATE OR EXCAVATED MATERIALS, OR OTHER APPROVED USE. THE REGIONAL HIGHWAY MAINTENANCE ENGINEER ISSUES THE NO-FEE, STAGING AREA PERMIT IN CONJUNCTION WITH THE HIGHWAY MAINTENANCE RESIDENCE ENGINEER, REGIONAL LANDSCAPE ARCHITECT AND PROJECT ENGINEER-IN-CHARGE. THE PERMIT FORM AND REQUIREMENTS ARE INCLUDED IN THE PROPOSAL.

 THE INTENT OF THIS PERMIT IS TO AVERT ADVERSE ENVIRONMENTAL, TRAFFIC, VISUAL OR PUBLIC IMPACTS AND TO ESTABLISH RESTORATION REQUIREMENTS WHEN THE USE OF STATE OWNED LAND IS ENDED.

 THE CONTRACTOR SHALL NOT OCCUPY OR USE STATE OWNED LAND WITHOUT AN APPROVED PERMIT OR SITE PLAN. THE CONTRACTOR SHALL SUPPLY AN EROSION AND SOIL CONTROL PLAN FOR APPROVAL FOR EACH SITE DESIRED.
- IF A LONG TERM STAGING AREA WITHIN THE STATE ROW IS NOT FEASIBLE, CONTRACTOR SHALL PROVIDE A STAGING AREA OUTSIDE THE STATE ROW, AT NO ADDITIONAL COST TO THE STATE. THE CONTRACTOR SHALL SUPPLY A SOIL AND EROSION CONTROL PLAN FOR APPROVAL FOR EACH SITE DESIRED.
- ALL WORK COMPLETED UNDER THIS CONTRACT IS TO BE COVERED BY AND IN CONFORMITY WITH VOLUME 17(B) OF THE NYCRR - NEW YORK STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (NYS MUTCD) OF MARCH 31, 2001, INCLUDING ANY REVISIONS, AMENDMENTS, OR ADDENDA, HEREINAFTER REFERRED TO AS THE MUTCD.
- SPECIAL ATTENTION SHALL BE GIVEN BY THE CONTRACTOR TO THE MAINTENANCE OF A SATISFACTORY TRAVELLED WAY DURING WINTER SHUT DOWN OF THIS PROJECT. IN COMPLIANCE WITH SECTION 619 OF THE STANDARD SPECIFICATIONS, THE CONTRACTOR SHALL ENSURE THAT ALL LANES OF TRAFFIC WILL BE OPEN. TRAFFIC SHALL BE MAINTAINED OVER A PAVED SURFACE AT OR EQUAL TO THE TOP OF BINDER COURSE. APPURTENANCES SHOULD BE SET AT BINDER ELEVATION PRIOR TO WINTER SHUT DOWN AND ADJUSTED THE FOLLOWING CONSTRUCTION SEASON. WINTER SHUT DOWN FOR THIS PROJECT WITH RESPECT TO SNOW AND ICE CONTROL OPERATIONS SHALL BE FOR THE PERIOD DECEMBER 1ST TO MARCH 1ST. LANE CLOSURES LASTING LESS THEN ONE WORK DAY WILL BE PERMITTED DURING THE WINTER SHUT DOWN PERIOD. HOWEVER, THE CONTRACTOR WILL BE REQUIRED TO REMOVE ALL ICE AND SNOW FROM THE PAVEMENT WITHIN THE CLOSURE PRIOR TO REOPENING TO TRAFFIC.
- THE CONTRACTOR SHALL REPAIR OR REPLACE, AS DETERMINED BY THE ENGINEER-IN-CHARGE, ANY TRAFFIC CONTROL DEVICE LEFT IN PLACE WHICH BECOMES DAMAGED, DISPLACED, OR DESTROYED DURING SNOW AND ICE CONTROL OPERATIONS BY STATE FORCES.
- THE CONTRACTOR SHALL MAINTAIN THE PROJECT CORRIDOR, WHICH INCLUDES THE ROADWAY AND ROADSIDE IN A NEAT CONDITION, FREE OF DEBRIS AND EMPLOY APPROPRIATE TURF MANAGEMENT PRACTICES WHERE DIRECTED.

CONSTRUCTION NOTES

- THE FINAL DETERMINATION AS TO THE STATIONS OF THE VARIOUS TYPICAL SECTIONS, DRAINAGE STRUCTURES, BOTH EXISTING AND PROPOSED, AND THE STATIONS OF ALL OTHER LOCATIONS OF CONTRACT ITEMS WILL BE MADE BY THE ENGINEER.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT, DUE TO THE NATURE OF THESE TYPES OF PROJECTS, THE EXACT EXTENT OF WORK CANNOT ALWAYS BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT OF WORK. THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD INSPECTION AND OTHER INFORMATION AVAILABLE AT THE TIME. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH FIELD CONDITIONS.
- THE CONTRACTOR SHALL PERFORM ALL WORK WITH CARE SO THAT ANY MATERIALS, WHICH ARE TO REMAIN IN PLACE OR WHICH ARE TO REMAIN THE PROPERTY OF THE STATE, WILL NOT BE DAMAGED. IF THE CONTRACTOR DAMAGES ANY MATERIALS WHICH ARE TO REMAIN IN PLACE OR WHICH ARE TO REMAIN THE PROPERTY OF THE STATE, THE DAMAGED MATERIAL SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
- WHENEVER ITEMS IN THE CONTRACT REQUIRE MATERIALS TO BE REMOVED OR DISPOSED OF, THE COST OF SUPPLYING A DISPOSAL AREA AND TRANSPORTATION TO THE AREA SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THOSE ITEMS.
- THE RESTORATION OF DISTURBED AREAS NOT COVERED IN THE PROJECT BY CONTRACT ITEMS WILL BE PERFORMED AS SPECIFIED UNDER THE PROVISIONS OF SECTION 107-08 "PROTECTION AND RESTORATION OF PROPERTY AND LANDSCAPE".

PAVING NOTES:

- ALL PROVISIONS OF SECTION 400 OF THE STANDARD SPECIFICATIONS SHALL APPLY, EXCEPT AS MODIFIED HEREIN. THE GOAL OF THE PAVING OPERATION IS TO PROGRESS THE HOT MIX ASPHALT CONCRETE (AC) PAVING IN SUCH A MANNER THAT WILL ELIMINATE THE PRESENCE OF ALL LONGITUDINAL PAVING JOINTS WITHIN THE LIMITS OF THE MAINLINE ROADWAY.
- THE FOLLOWING PAVING PROCEDURE SHALL APPLY TO THE ASPHALT BINDER AND TOP COURSE PLACED ON NY ROUTE 5 AND ALL ON AND OFF RAMP TO NY ROUTE 5.
- THE AC PAVING OPERATION SHALL BE ACCOMPLISHED BY THE USE OF A MINIMUM OF TWO (2) AC PAVING MACHINES OPERATING IN TANDEM. THE TANDEM AC PAVING MACHINES SHALL BE OPERATED WITHIN 60 m OF EACH OTHER. ONE AC PAVING MACHINE SHALL BE MODIFIED TO ACCOMPLISH PAVING THE MEDIAN LANE (3.6 m) AND SHOULDER (1.2 m) IN ONE PAVING PASS. THE SECOND AC PAVING MACHINE SHALL BE MODIFIED TO PAVE THE RIGHT LANE (3.6 m) AND THE SHOULDER TO THE RIGHT OF TRAFFIC (3 m) IN ONE PAVING PASS.
- THE CONTRACTOR MAY REQUEST AN ALTERNATIVE PAVING SCHEME THAT WILL ACCOMPLISH THE STATED GOAL. HOWEVER, THE SCHEME MUST BE PRESENTED TO THE EIC AND REGIONAL MATERIALS ENGINEER AT LEAST TEN (10) WORKING DAYS BEFORE THE PROPOSED START OF THE ALTERED PAVING OPERATION FOR REVIEW AND APPROVAL BY BOTH THE EIC AND REGIONAL MATERIALS ENGINEER.
- THE COST OF FURNISHING ALL LABOR, MATERIALS AND EQUIPMENT TO SATISFACTORILY COMPLETE THE WORK IN ACCORDANCE WITH THE PROVISIONS STATED IN THESE NOTES SHALL BE INCLUDED IN THE PRICE BID FOR THE APPROPRIATE ASPHALT CONCRETE ITEMS.
- WHEN THE PAVING OPERATION APPROACHES A RAMP, THE RAMP SHALL BE PAVED A MINIMUM DISTANCE OF 20 m BEYOND (EXIT RAMP) OR BEFORE (ENTRANCE RAMP) THE POINT OF THE GORE.
- THE CONTRACTOR IS ADVISED THAT SUPERELEVATION MODIFICATIONS ARE PROPOSED. A TRUING AND LEVELING COURSE SHALL BE APPLIED PRIOR TO ANY BASE COURSE PLACEMENT WHERE A SUPERELEVATION CORRECTION/MODIFICATION IS PROPOSED. EXISTING SUPERELEVATION SHALL BE CHECKED AND VERIFIED PRIOR TO PLACEMENT OF THE TRUING AND LEVELING COURSE TO ESTABLISH THICKNESS REQUIRED TO ACHIEVE THE PROPOSED MODIFICATION. THE FINAL CROSS SLOPES OF THE TOP COURSE SHALL BE VERIFIED BY THE CONTRACTOR USING STATIONS, OFFSETS AND ELEVATIONS OR ELECTRONIC CROSS SLOPE READERS AT 50 m INTERVALS. THESE CROSS SLOPES WILL BE RECORDED IN THE FINAL RECORD PLANS BY THE EIC. THE PROPOSED CROSS SLOPES ARE TO BE CONSTRUCTED WITHIN THE TOLERANCES AS SPECIFIED IN SECTION 402-3.10 OF THE STANDARD SPECIFICATIONS.

FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	25	940
P.I.N. 5044.01		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD, FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				

ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED

No AS BUILT REVISIONS

[Signature] 5-1-12
SIGNATURE DATE

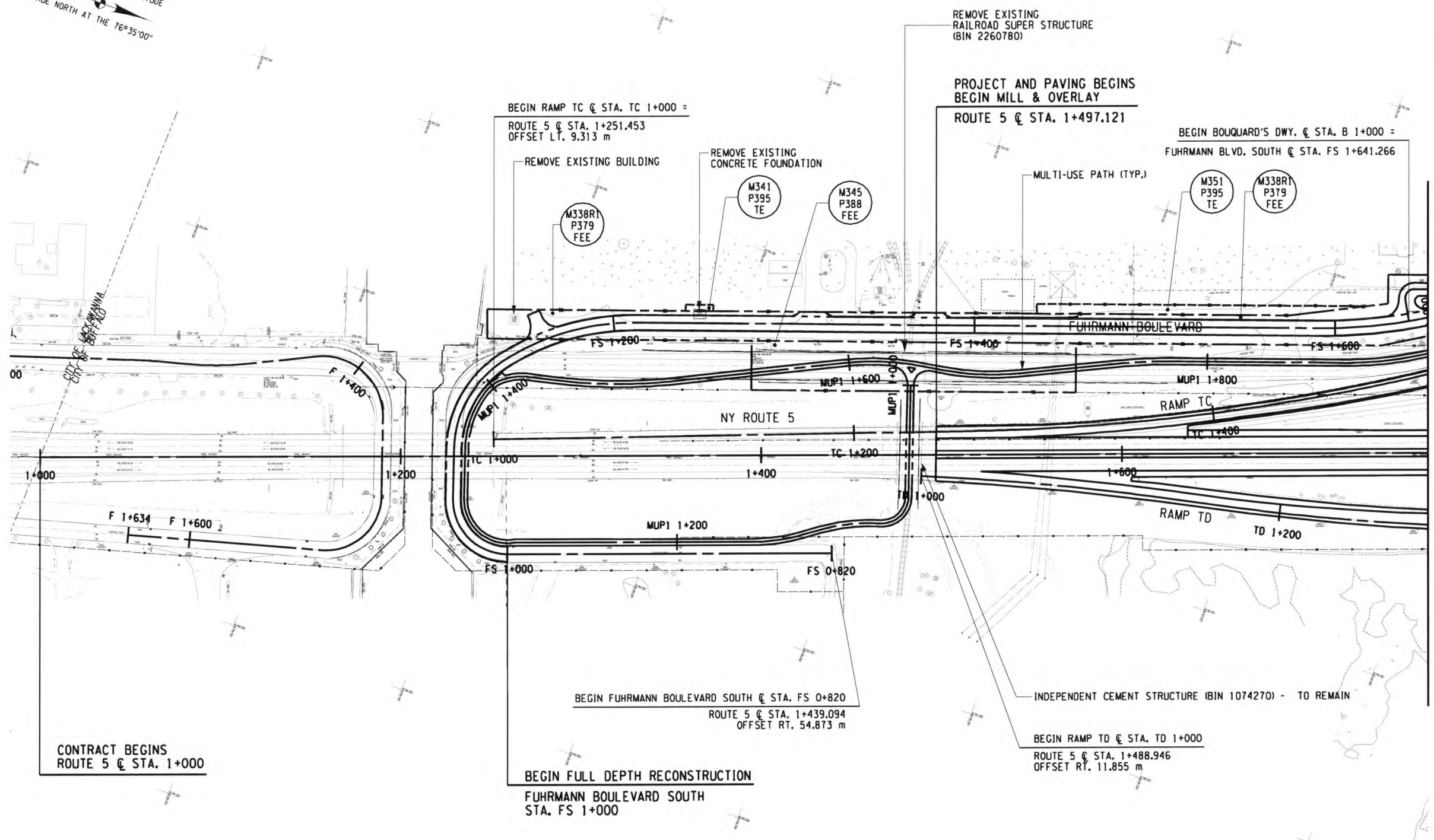
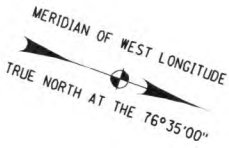
GENERAL NOTES

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
REGION 5

PB AMERICAS, INC. DATE 09/07/07 DRAWING NO. G-1

FILE: C:\NYS\DOT\CADD\Region 5\04401\project\highway_design\ign\04401_cpb_gen_not_001.dgn
 PLOTTED BY: borkowski
 PEN TABLE: G:\NYS\DOT\CADD\res\res\ysdot_batch_plot\ysdot_batch_plot\ysdot_batch_plot.tbl

DESIGN SUPERVISOR J. HUBERT
 JOB MANAGER J. HUBERT
 DESIGNED BY J. GEASLING
 CHECKED BY J. HUBERT
 ESTIMATED BY J. GEASLING
 DRAFTED BY P. BORKOWSKI
 CHECKED BY J. GEASLING



FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	26F1	940
P.I.N. 5044.01		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD, FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				

CONTRACT BEGINS
ROUTE 5 @ STA. 1+000

BEGIN RAMP TC @ STA. TC 1+000 =
ROUTE 5 @ STA. 1+251.453
OFFSET LT. 9.313 m

PROJECT AND PAVING BEGINS
BEGIN MILL & OVERLAY
ROUTE 5 @ STA. 1+497.121

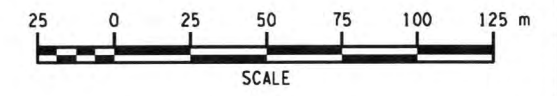
BEGIN BOUQUARD'S DWY. @ STA. B 1+000 =
FUHRMANN BLVD. SOUTH @ STA. FS 1+641.266

BEGIN FUHRMANN BOULEVARD SOUTH @ STA. FS 0+820
ROUTE 5 @ STA. 1+439.094
OFFSET RT. 54.873 m

BEGIN FULL DEPTH RECONSTRUCTION
FUHRMANN BOULEVARD SOUTH
STA. FS 1+000

BEGIN RAMP TD @ STA. TD 1+000
ROUTE 5 @ STA. 1+488.946
OFFSET RT. 11.855 m

FIELD CHANGE
THIS SHEET SUPERSEDES SHEET 26.
NOTE: THIS SHEET REPRESENTS REVISIONS TO THE PS&E DRAWINGS DATED 09/07/07. THESE FIELD CHANGE SHEETS ARE NECESSARY DUE TO DESIGN CHANGES INTRODUCED AFTER THE PROJECT WAS AWARDED. CHANGES TO THIS SHEET INCLUDE MODIFICATIONS TO THE ALIGNMENTS. SEE SHEET 2 FOR APPROVAL.



ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED AS BUILT REVISIONS

No. _____
 AS BUILT REVISIONS
 Signature: *[Handwritten Signature]* DATE: 5-1-12

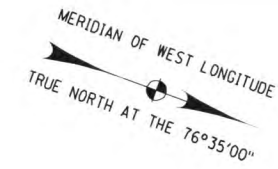
PLANS
STA. 1+000 TO STA. 1+770

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
REGION 5

PB AMERICAS, INC. DATE: 12/31/09 DRAWING NO. PL-1

FILE: c:\p\program files\Bentley\Workspace\system\tables\peniv6_nysdot.tbl PLOTTED BY: mecliana
 DATE: 7/8/2010 2:14:30 PM

DESIGN SUPERVISOR J. HUBERT
 JOB MANAGER J. HUBERT
 DESIGNED BY J. GEASLING
 CHECKED BY J. HUBERT
 ESTIMATED BY J. GEASLING
 DRAFTED BY P. BORKOWSKI
 CHECKED BY J. GEASLING



FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	27F1	940
P.I.N. 5044.01		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD, FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				

END BOUQUARD'S DRIVEWAY @ STA. B 1+068.112
 FUHRMANN BLVD. SOUTH @ STA. FS 1+692.075
 OFFSET LT. 22.518 m

END RAMP TC @ STA. TC 1+592.247 =
 FUHRMANN BOULEVARD SOUTH @ STA. FS 1+739.775
 BEGIN FUHRMANN BOULEVARD @ STA. FB 1+000 =
 TIFFT STREET @ STA. T 1+000.309
 BEGIN TIFFT STREET @ STA. T 1+000
 END FUHRMANN BLVD. SOUTH @ STA. FS 1+743.975
 BEGIN RAMP TA @ STA. TA 1+000 =
 ROUTE 5 @ STA. 1+845.024
 OFFSET LT. 35.977 m
 TIFFT STREET STA. T 1+022.004
 RESUME MILL & OVERLAY
 ROUTE 5 @ STA. 1+867.638

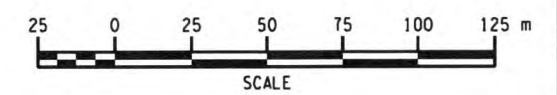
END RAMP TA @ STA. 1+504.742 =
 ROUTE 5 @ STA. SR5 2+343
 OFFSET LT. 8.781 m

END MILL & OVERLAY
 BEGIN FULL DEPTH
 RECONSTRUCTION
 RAMP TD
 STA. TD 1+302
 STOP MILL & OVERLAY
 ROUTE 5 @ 1+820.181
 END RAMP TD @ STA. 1+344.905
 TIFFT STREET @ STA. T 1+124.187
 OFFSET RT. 21.619 m
 TIFFT STREET ROUNDABOUT @
 STA. TR 1+020.846
 OFFSET RT. 11 m

ROUTE 5 @ STA. 1+843.911 = LT. 0.023 m
 TIFFT STREET @ STA. 1+057.975
 TIFFT STREET STRUCTURE
 (BIN 1074280) - TO REMAIN
 BEGIN RAMP TB @ STA. TB 1+000 =
 TIFFT STREET @ STA. T 1+131.706
 OFFSET LT. 20.033 m
 END FULL DEPTH RECONSTRUCTION
 TIFFT STREET @ STA. T 1+210
 WORK LIMIT STREET @ STA. T 1+220

END MILL & OVERLAY
 BEGIN FULL DEPTH RECONSTRUCTION
 ROUTE 5 @ STA. 2+343
 END RAMP TB @ STA. 1+448.647 =
 ROUTE 5 STA. SR5 2+294.293
 OFFSET RT. 8.781 m

FIELD CHANGE
 THIS SHEET SUPERSEDES SHEET 27.
 NOTE: THIS SHEET REPRESENTS REVISIONS TO THE PS&E DRAWINGS DATED 09/07/07. THESE FIELD CHANGE SHEETS ARE NECESSARY DUE TO DESIGN CHANGES INTRODUCED AFTER THE PROJECT WAS AWARDED. CHANGES TO THIS SHEET INCLUDE MODIFICATIONS TO THE ALIGNMENTS AND FUHRMANN BOULEVARD LANE CONFIGURATIONS. SEE SHEET 2 FOR APPROVAL.



ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED

No AS BUILT REVISIONS
 Signature: *Amir Zorabi* DATE: 5-1-12

PLANS
 STA. 1+770 TO STA. 2+500

STATE OF NEW YORK
 DEPARTMENT OF TRANSPORTATION
 REGION 5

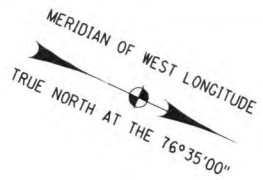
PB AMERICAS, INC. DATE: 12/31/09 DRAWING NO.: PL-2

MATCH LINE STA. 1+770 SEE SHEET PL-1

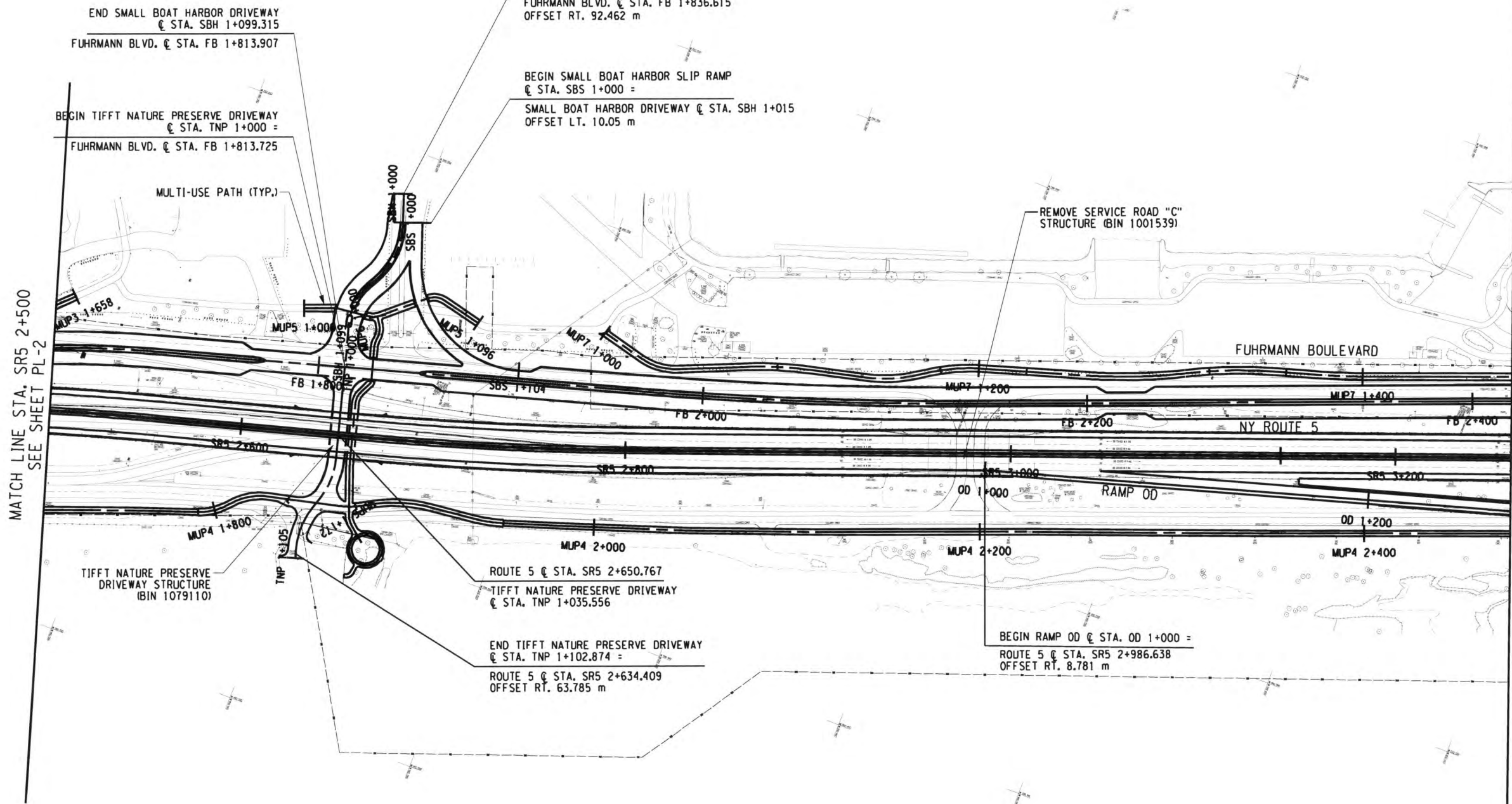
MATCH LINE STA. SR5 2+500 SEE SHEET PL-3

FILE: c:\p\program files\benly\workspace\system\tables\peniv8_jysdo.tbl PLOTTED BY: mecliana
 FILE: c:\p\program files\benly\workspace\project\highway_design\design\027F1504401_cph_pln_002.dgn
 DATE: 7/8/2010 2:14:33 PM

DESIGN SUPERVISOR J. HUBERT
 JOB MANAGER J. HUBERT
 DESIGNED BY J. GEASLING
 CHECKED BY J. HUBERT
 ESTIMATED BY J. GEASLING
 DRAFTED BY P. BORKOWSKI
 CHECKED BY J. GEASLING



FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	28F1	940
P.I.N. 5044.01		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD, FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				



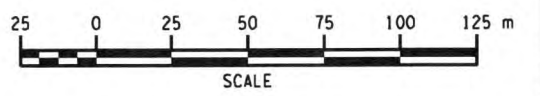
MATCH LINE STA. SR5 2+500
 SEE SHEET PL-2

MATCH LINE STA. SR5 3+260
 SEE SHEET PL-4

FIELD CHANGE

THIS SHEET SUPERSEDES SHEET 28.

NOTE: THIS SHEET REPRESENTS REVISIONS TO THE PS&E DRAWINGS DATED 09/07/07. THESE FIELD CHANGE SHEETS ARE NECESSARY DUE TO DESIGN CHANGES INTRODUCED AFTER THE PROJECT WAS AWARDED. CHANGES TO THIS SHEET INCLUDE MODIFICATIONS TO THE ALIGNMENTS, STRUCTURES AND FUHRMANN BOULEVARD LANE CONFIGURATIONS. SEE SHEET 2 FOR APPROVAL.



ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED

AS BUILT REVISIONS

No.

[Signature] 5-1-12

SIGNATURE DATE

PLANS
STA. 2+500 TO STA. 3+260

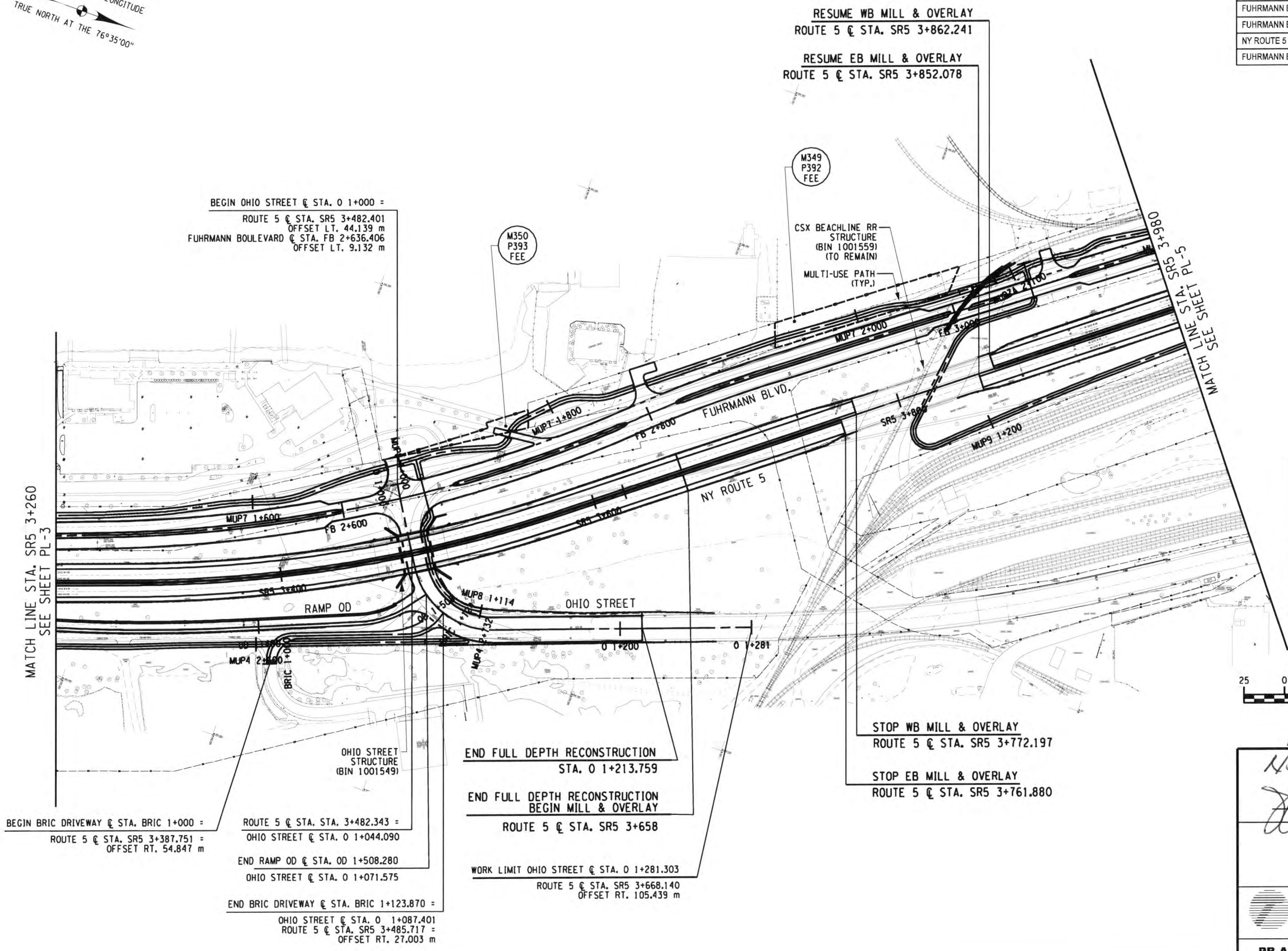
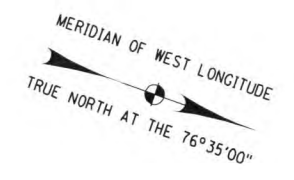
STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
REGION 5

PB AMERICAS, INC.	DATE 12/31/09	DRAWING NO. PL-3
--------------------------	------------------	---------------------

FILE: c:\p\program_files\benley\workspace\system\tables\peniv6_05s\dot.tbl PLOTTED BY: meclatna
 DATE: 7/8/2010 2:43:37 PM

DESIGN SUPERVISOR J. HUBERT
 JOB MANAGER J. HUBERT
 DESIGNED BY J. GEASLING
 CHECKED BY J. HUBERT
 DRAFTED BY J. GEASLING
 ESTIMATED BY J. GEASLING
 CHECKED BY P. BORKOWSKI
 DRAFTED BY J. GEASLING
 CHECKED BY J. GEASLING

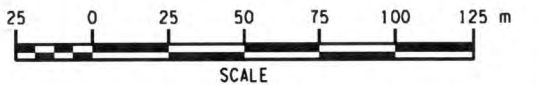
FED ROAD REG NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	29F1	940
P.I.N. 5044.01		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD, FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				



FIELD CHANGE

THIS SHEET SUPERSEDES SHEET 29.

NOTE: THIS SHEET REPRESENTS REVISIONS TO THE PS&E DRAWINGS DATED 09/07/07. THESE FIELD CHANGE SHEETS ARE NECESSARY DUE TO DESIGN CHANGES INTRODUCED AFTER THE PROJECT WAS AWARDED. CHANGES TO THIS SHEET INCLUDE MODIFICATIONS TO THE ALIGNMENTS AND FUHRMANN BOULEVARD LANE CONFIGURATIONS. SEE SHEET 2 FOR APPROVAL.



ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED AS BUILT REVISIONS

46

[Signature] 5-1-12

SIGNATURE DATE

PLANS
STA. 3+260 TO STA. 3+980

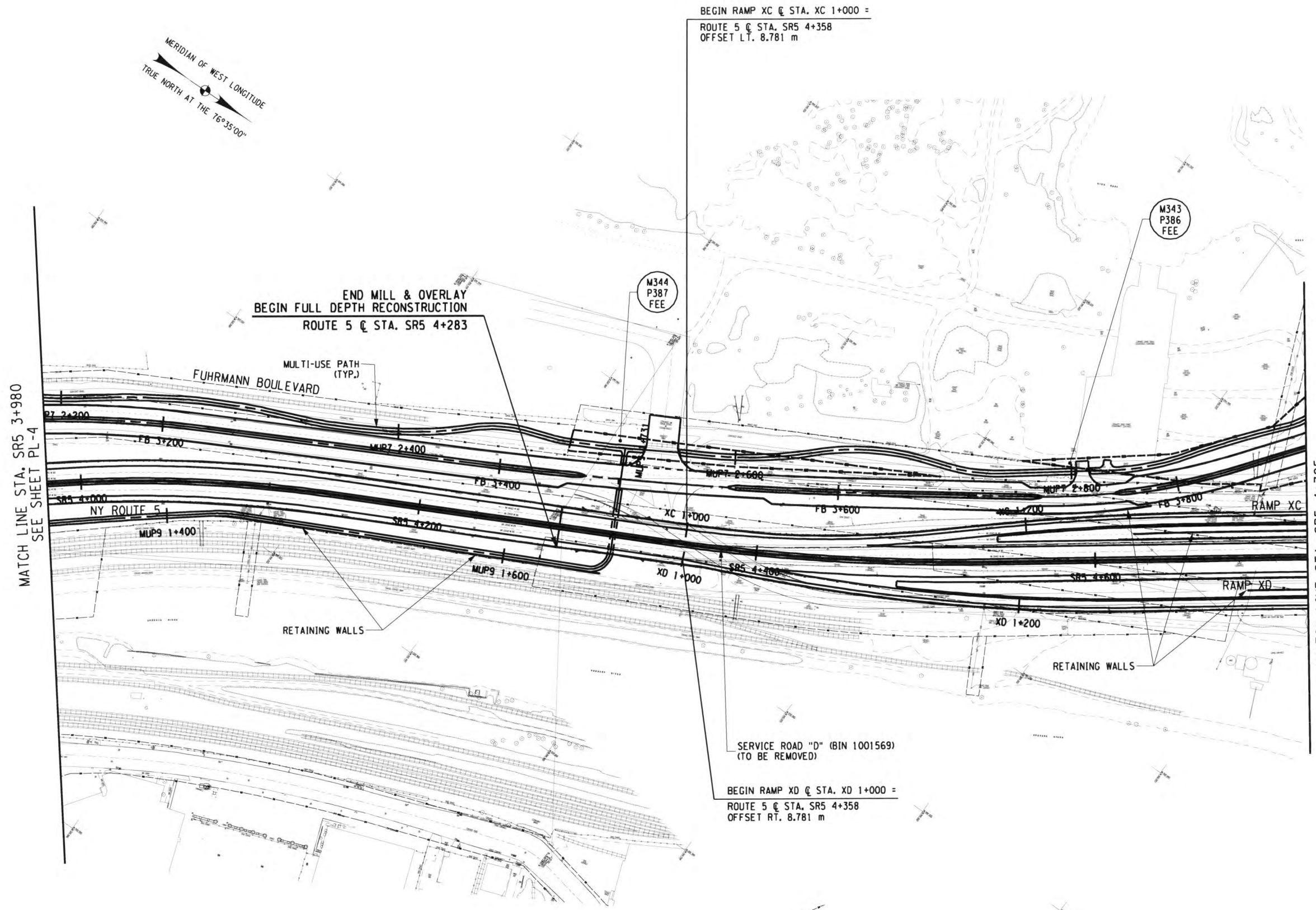
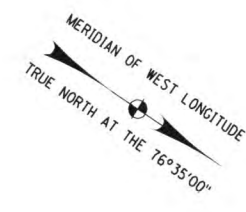
STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
REGION 5

PB AMERICAS, INC.	DATE 12/31/09	DRAWING NO. PL-4
-------------------	------------------	---------------------

FILE: C:\Program Files\Bentley\Workspace\system\tables\peniv8_rpsdot.tbl PLOTTED BY: meclara

DESIGN SUPERVISOR J. HUBERT
 JOB MANAGER J. HUBERT
 DESIGNED BY J. GEASLING
 CHECKED BY J. HUBERT
 ESTIMATED BY J. GEASLING
 DRAFTED BY P. BORKOWSKI
 CHECKED BY J. GEASLING

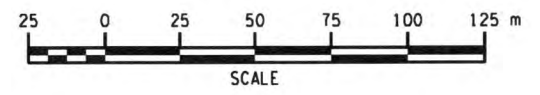
FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	30F1	940
P.I.N. 5044.01		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD, FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				



FIELD CHANGE

THIS SHEET SUPERSEDES SHEET 30.

NOTE: THIS SHEET REPRESENTS REVISIONS TO THE PS&E DRAWINGS DATED 09/07/07. THESE FIELD CHANGE SHEETS ARE NECESSARY DUE TO DESIGN CHANGES INTRODUCED AFTER THE PROJECT WAS AWARDED. CHANGES TO THIS SHEET INCLUDE MODIFICATIONS TO THE ALIGNMENTS, STRUCTURES, FUHRMANN BOULEVARD LANE CONFIGURATIONS AND RETAINING WALLS. SEE SHEET 2 FOR APPROVAL.



ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED

No. AS BUILT REVISIONS

[Signature] 5-1-12
 SIGNATURE DATE

PLANS
 STA. 3+980 TO STA. 4+725

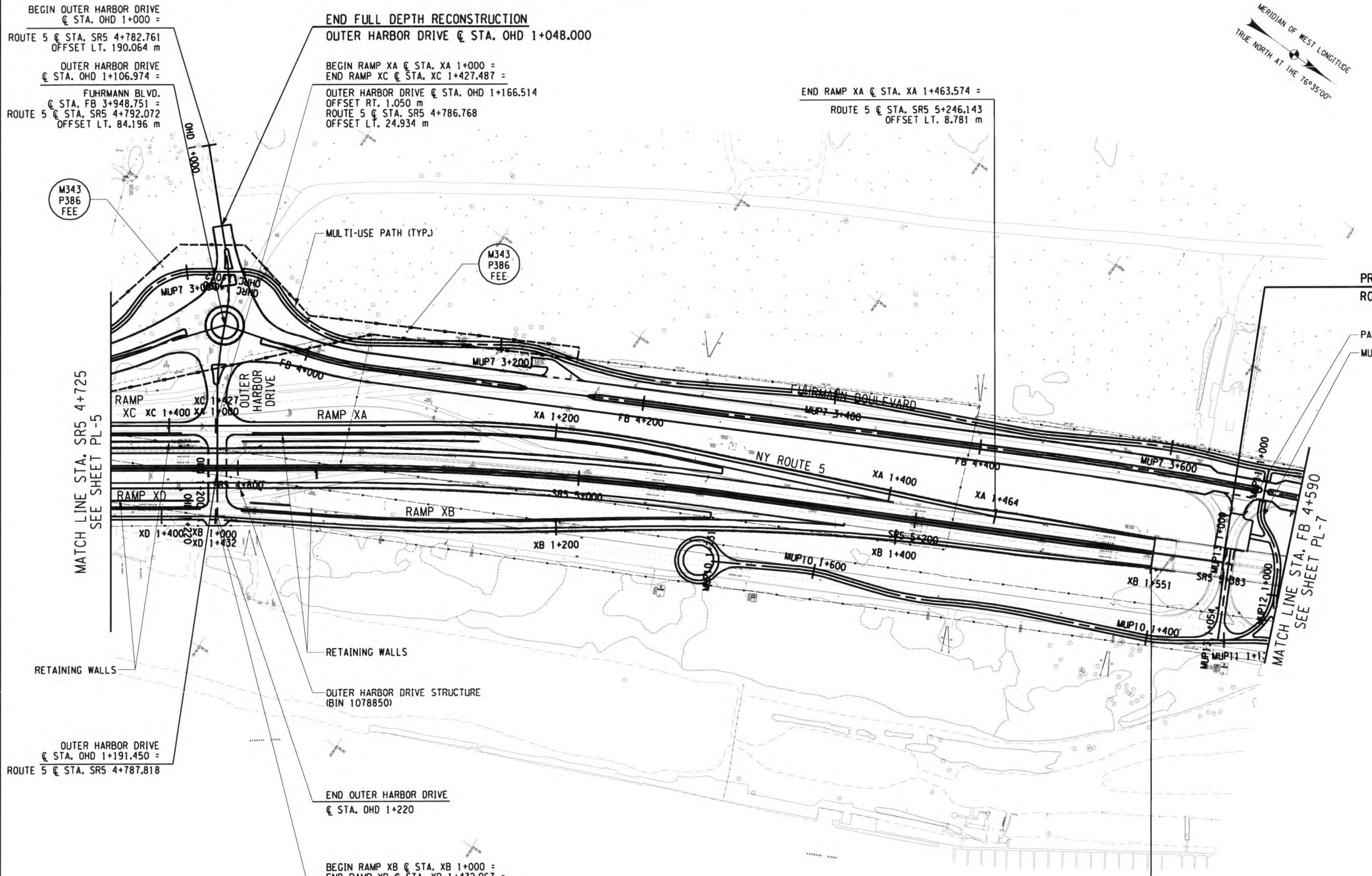
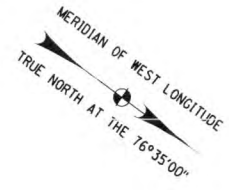
STATE OF NEW YORK
 DEPARTMENT OF TRANSPORTATION
 REGION 5

PB AMERICAS, INC. DATE 12/31/09 DRAWING NO. PL-5

FILE: c:\pwork\design\region_5\304401\project\region_5\304401\highway_design\plan\304401_pln_005.dgn
 PLOTTED BY: meclanar

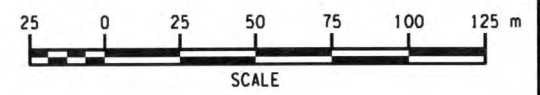
DESIGN SUPERVISOR J. HUBERT
 JOB MANAGER J. HUBERT
 DESIGNED BY J. GEASLING
 CHECKED BY J. HUBERT
 ESTIMATED BY J. GEASLING
 DRAFTED BY P. BORKOWSKI
 CHECKED BY J. GEASLING
 PLOTTED BY: mecliana

FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	31F1	940
P.I.N. 5044.01		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD., FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				



PROJECT ENDS ROUTE 5
ROUTE 5 @ STA. SR5 5+382.561

FIELD CHANGE
 THIS SHEET SUPERSEDES SHEET 31.
 NOTE: THIS SHEET REPRESENTS REVISIONS TO THE PS&E DRAWINGS DATED 09/07/07. THESE FIELD CHANGE SHEETS ARE NECESSARY DUE TO DESIGN CHANGES INTRODUCED AFTER THE PROJECT WAS AWARDED. CHANGES TO THIS SHEET INCLUDE MODIFICATIONS TO THE ALIGNMENTS AND FUHRMANN BOULEVARD LANE CONFIGURATIONS. SEE SHEET 2 FOR APPROVAL.



END RAMP XB @ STA. XB 1+551.350 =
 ROUTE 5 @ STA. SR5 5+340.998
 OFFSET RT. 7.893 m
PROJECT LIMIT
END OF FULL DEPTH
RECONSTRUCTION
 ROUTE 5 @ STA. SR5 5+340.998

ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED

No AS BUILT REVISIONS
[Signature] 5-1-12
 SIGNATURE DATE

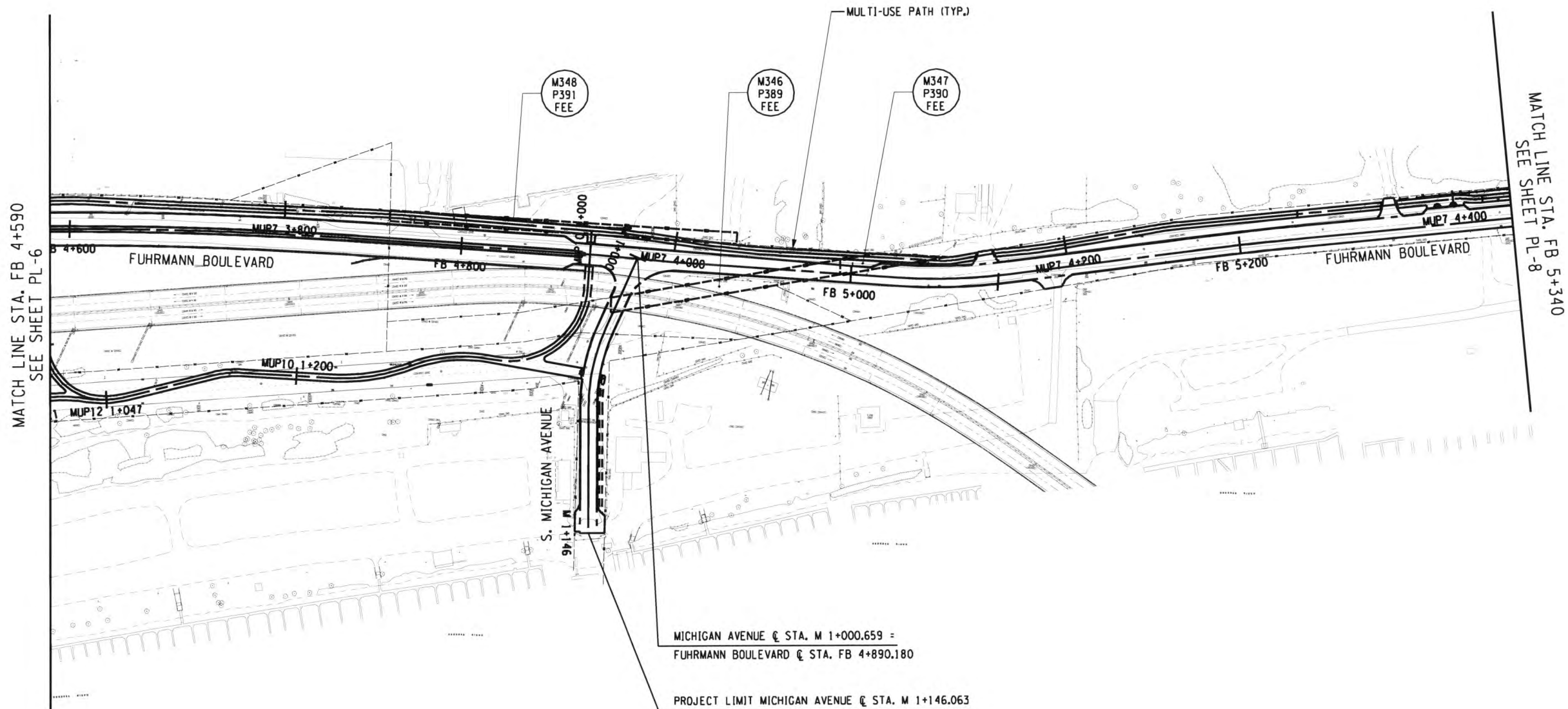
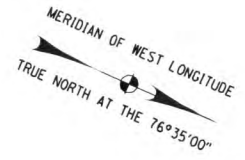
PLANS
 STA. 4+725 TO STA. F 4+590

STATE OF NEW YORK
 DEPARTMENT OF TRANSPORTATION
 REGION 5

PB AMERICAS, INC. DATE 12/31/09 DRAWING NO. PL-6

FILE: c:\program files\Bentley\WorkspaceSystem\tablespen\vs_royal.tbl PLOTTED BY: mecliana

DESIGN SUPERVISOR J. HUBERT
 JOB MANAGER J. HUBERT
 DESIGNED BY J. GEASLING
 CHECKED BY J. HUBERT
 ESTIMATED BY J. GEASLING
 CHECKED BY J. GEASLING
 DRAFTED BY P. BORKOWSKI
 CHECKED BY J. GEASLING



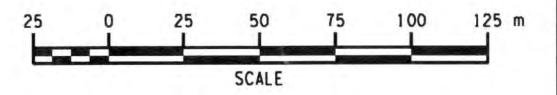
MICHIGAN AVENUE C STA. M 1+000.659 =
 FUHRMANN BOULEVARD C STA. FB 4+890.180
 PROJECT LIMIT MICHIGAN AVENUE C STA. M 1+146.063

FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	32F1	940
P.I.N. 5044.01		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD, FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				

FIELD CHANGE

THIS SHEET SUPERSEDES SHEET 32.

NOTE: THIS SHEET REPRESENTS REVISIONS TO THE PS&E DRAWINGS DATED 09/07/07. THESE FIELD CHANGE SHEETS ARE NECESSARY DUE TO DESIGN CHANGES INTRODUCED AFTER THE PROJECT WAS AWARDED. CHANGES TO THIS SHEET INCLUDE MODIFICATIONS TO THE ALIGNMENTS AND FUHRMANN BOULEVARD LANE CONFIGURATIONS. SEE SHEET 2 FOR APPROVAL.

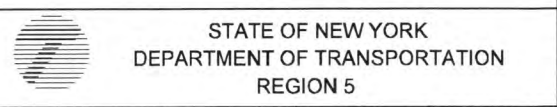


ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED
AS BUILT REVISIONS

No

 SIGNATURE
 5-1-12
 DATE

PLANS
 STA. FB 4+590 TO STA. FB 5+340



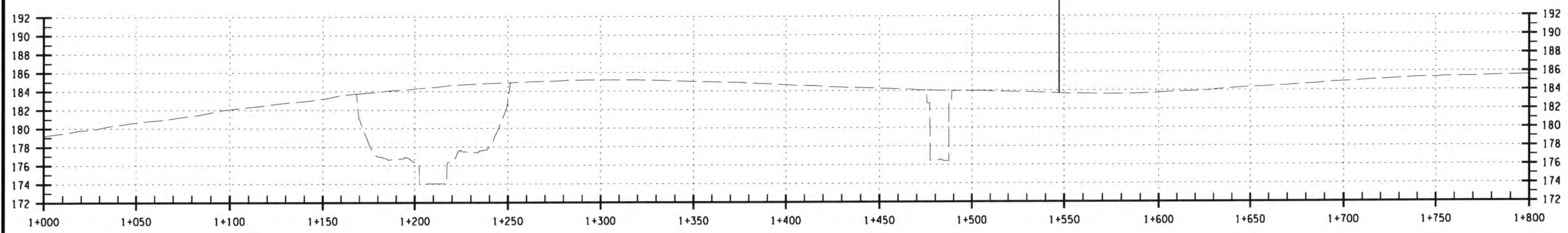
PB AMERICAS, INC. DATE 12/31/09 DRAWING NO. PL-7

FILE: c:\psd\cadd\region-5\0440\project\psny_highway_design\gn\03\F504401_cph_pl-007.dgn
 DATE: 7/8/2010 2:45:11 PM

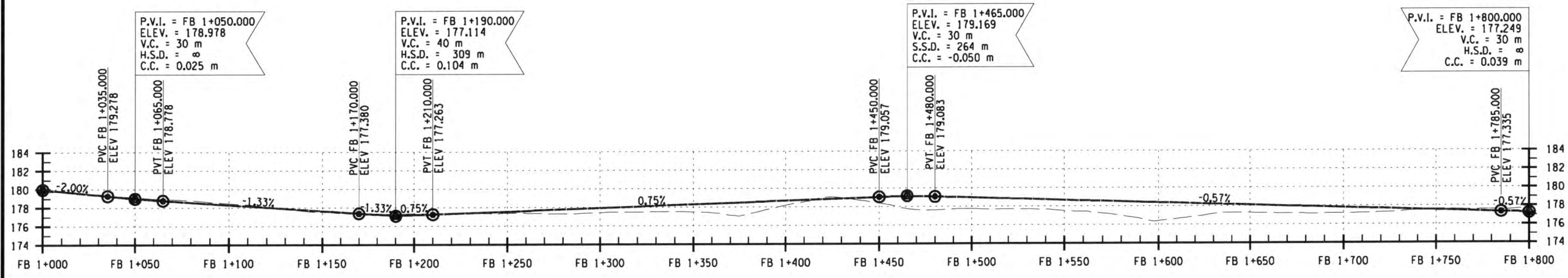
DESIGN SUPERVISOR J. HUBERT
 JOB MANAGER J. HUBERT
 DESIGNED BY J. GEASLING
 CHECKED BY J. HUBERT
 ESTIMATED BY J. GEASLING
 CHECKED BY J. HUBERT
 DRAFTED BY T. MALCZEWSKI
 CHECKED BY J. GEASLING
 J. GEASLING

FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	34F1	940
P.I.N. 5044.01		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD, FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				

DATE: 7/8/2010 2:14:36 PM
 FILE: c:\pwork\add\region 5\50440\project\wy_highway_design\gn034F1504401_cph_pro_001.dgn
 PLOTTED BY: meclina



NYS ROUTE 5



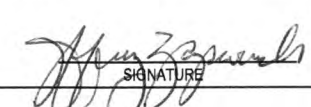
FUHRMANN BOULEVARD

FIELD CHANGE

THIS SHEET SUPERSEDES SHEET 34.

NOTE: THIS SHEET REPRESENTS REVISIONS TO THE PS&E DRAWINGS DATED 09/07/07. THESE FIELD CHANGE SHEETS ARE NECESSARY DUE TO DESIGN CHANGES INTRODUCED AFTER THE PROJECT WAS AWARDED. CHANGES TO THIS SHEET INCLUDE MODIFICATIONS TO THE PROFILES. SEE SHEET 2 FOR APPROVAL.

ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED
AS BUILT REVISIONS


 3-1-12
 SIGNATURE DATE

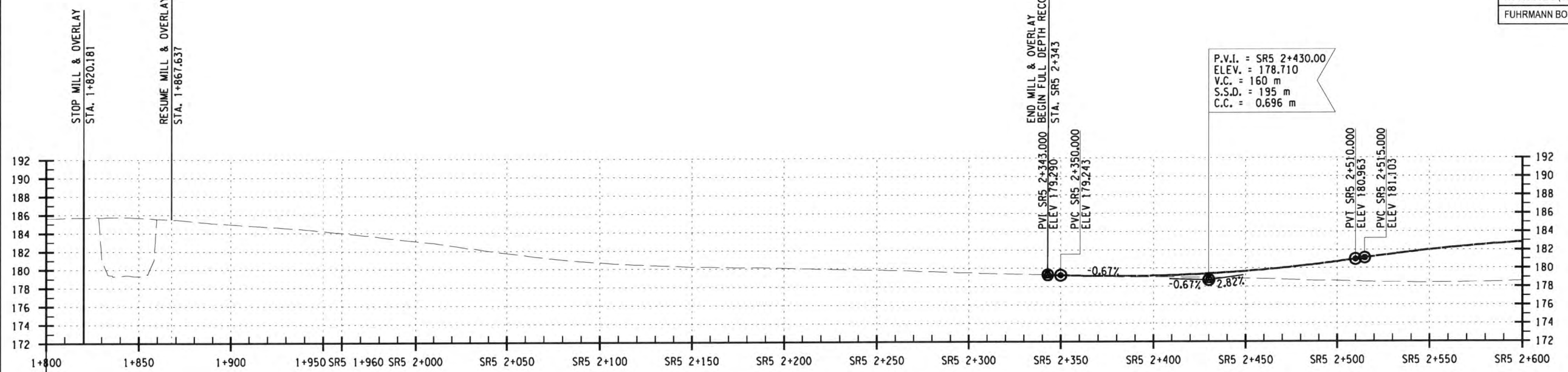
GENERAL PROFILES
NYS ROUTE 5 & FUHRMANN BLVD.



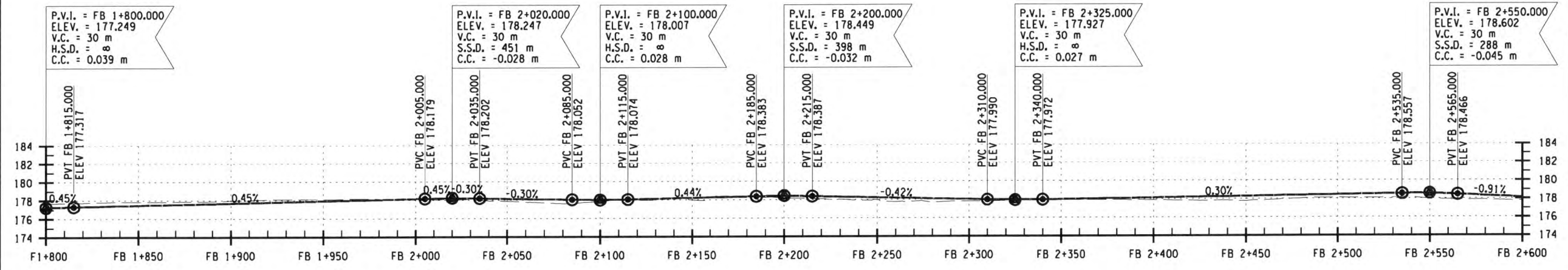
PB AMERICAS, INC. DATE 12/31/09 DRAWING NO. PR-1

DESIGN SUPERVISOR J. HUBERT
 JOB MANAGER J. HUBERT
 DESIGNED BY J. GEASLING
 CHECKED BY J. HUBERT
 ESTIMATED BY J. GEASLING
 DRAFTED BY T. MALCZEWSKI
 CHECKED BY J. GEASLING

FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	35F1	940
P.I.N. 5044.01		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD, FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				



NYS ROUTE 5



FUHRMANN BOULEVARD

FIELD CHANGE

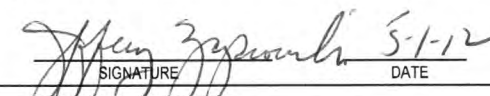
THIS SHEET SUPERSEDES SHEET 35.

NOTE: THIS SHEET REPRESENTS REVISIONS TO THE PS&E DRAWINGS DATED 09/07/07. THESE FIELD CHANGE SHEETS ARE NECESSARY DUE TO DESIGN CHANGES INTRODUCED AFTER THE PROJECT WAS AWARDED. CHANGES TO THIS SHEET INCLUDE MODIFICATIONS TO THE PROFILES. SEE SHEET 2 FOR APPROVAL.

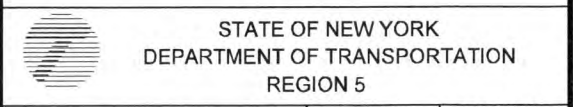
ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED

AS BUILT REVISIONS

No


 SIGNATURE DATE 5-1-12

GENERAL PROFILES
NYS ROUTE 5 & FUHRMANN BLVD.



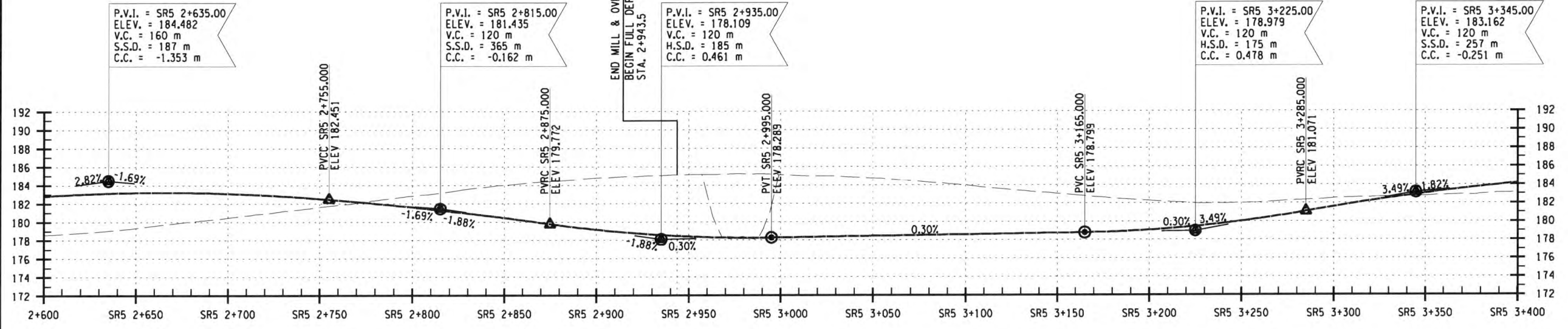
STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
REGION 5

PB AMERICAS, INC. DATE 12/31/09 DRAWING NO. PR-2

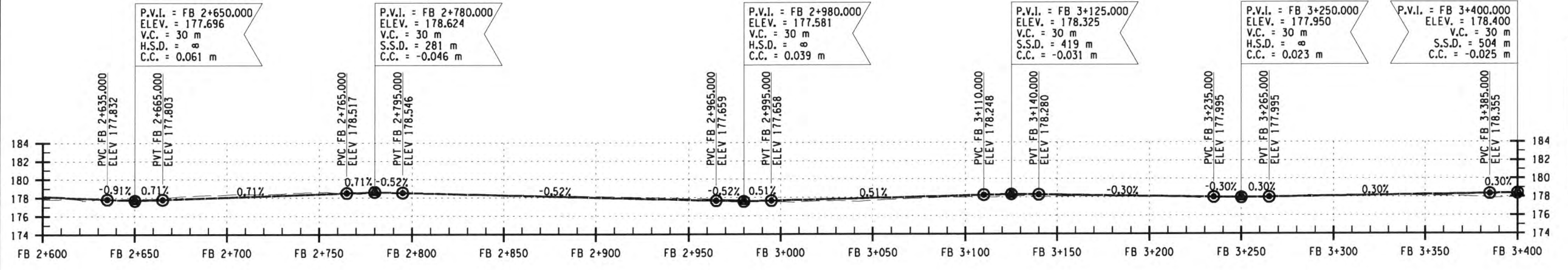
FILE: t:\nydot\cadd\region 5\5044\0\project\sy_highway_design\gn035\F1504401_cph_pro_002.dgn
 DATE: 7/8/2010 2:14:38 PM

DESIGN SUPERVISOR J. HUBERT
 JOB MANAGER J. HUBERT
 DESIGNED BY J. GEASLING
 CHECKED BY J. HUBERT
 ESTIMATED BY J. GEASLING
 DRAFTED BY T. MALCZEWSKI
 CHECKED BY J. GEASLING

FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	36F1	940
P.I.N. 5044.01		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD, FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				



NYS ROUTE 5



FUHRMANN BOULEVARD

FIELD CHANGE

THIS SHEET SUPERSEDES SHEET 36.

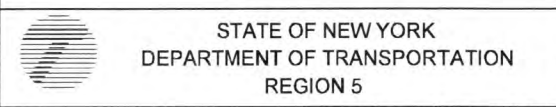
NOTE: THIS SHEET REPRESENTS REVISIONS TO THE PS&E DRAWINGS DATED 09/07/07. THESE FIELD CHANGE SHEETS ARE NECESSARY DUE TO DESIGN CHANGES INTRODUCED AFTER THE PROJECT WAS AWARDED. CHANGES TO THIS SHEET INCLUDE MODIFICATIONS TO THE PROFILES. SEE SHEET 2 FOR APPROVAL.

ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED

AS BUILT REVISIONS

3-1-12
 SIGNATURE DATE

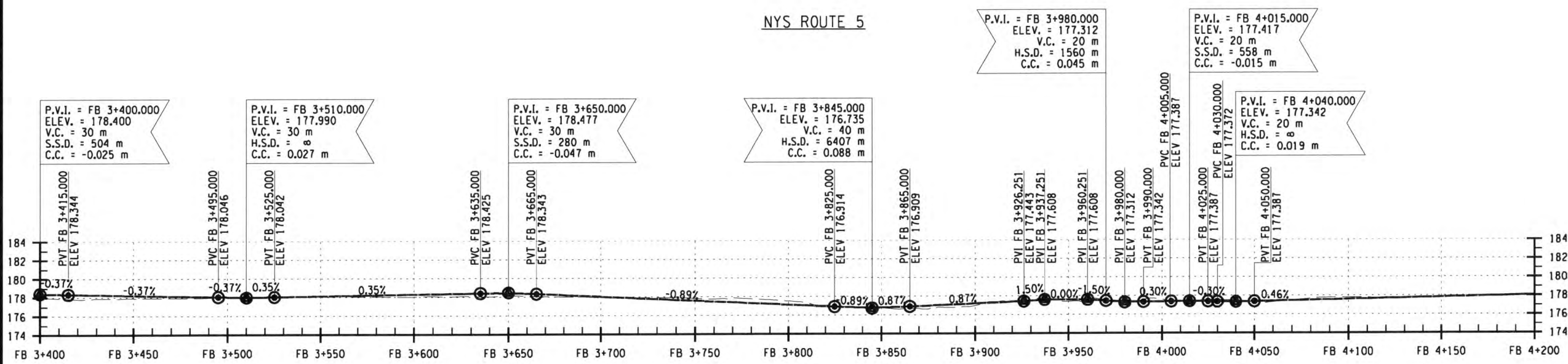
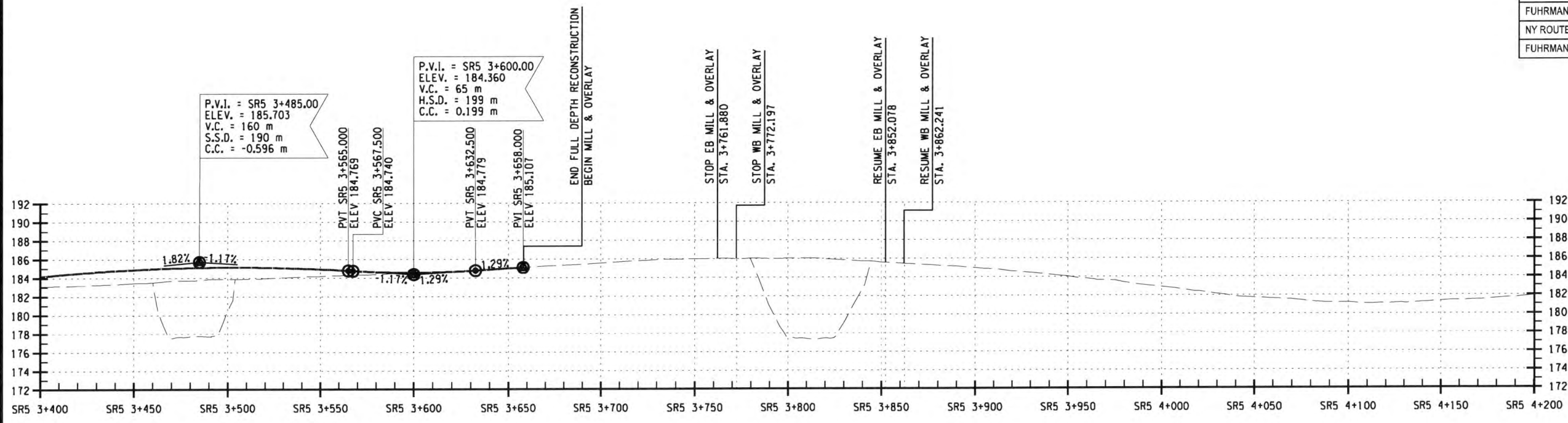
GENERAL PROFILES
NYS ROUTE 5 & FUHRMANN BLVD.



FILE: c:\Program Files\Bentley\Workspaces\workspace\penw8_nysdot\bl1_PLOTTED BY: mechina DATE: 7/8/2010 2:44:59 PM

DESIGN SUPERVISOR J. HUBERT
 JOB MANAGER J. HUBERT
 DESIGNED BY J. GEASLING
 CHECKED BY J. HUBERT
 ESTIMATED BY J. GEASLING
 CHECKED BY J. GEASLING
 DRAFTED BY T. MALCZEWSKI
 CHECKED BY J. GEASLING

FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	37F1	940
P.I.N. 5044.01		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD, FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				



NYS ROUTE 5

FUHRMANN BOULEVARD

FIELD CHANGE

THIS SHEET SUPERSEDES SHEET 37.

NOTE: THIS SHEET REPRESENTS REVISIONS TO THE PS&E DRAWINGS DATED 09/07/07. THESE FIELD CHANGE SHEETS ARE NECESSARY DUE TO DESIGN CHANGES INTRODUCED AFTER THE PROJECT WAS AWARDED. CHANGES TO THIS SHEET INCLUDE MODIFICATIONS TO THE PROFILES. SEE SHEET 2 FOR APPROVAL.

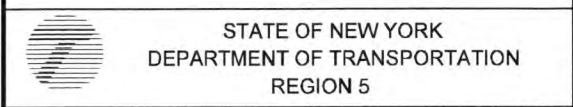
ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED
AS BUILT REVISIONS

No

SIGNATURE

5-1-12
 DATE

GENERAL PROFILES
NYS ROUTE 5 & FUHRMANN BLVD.



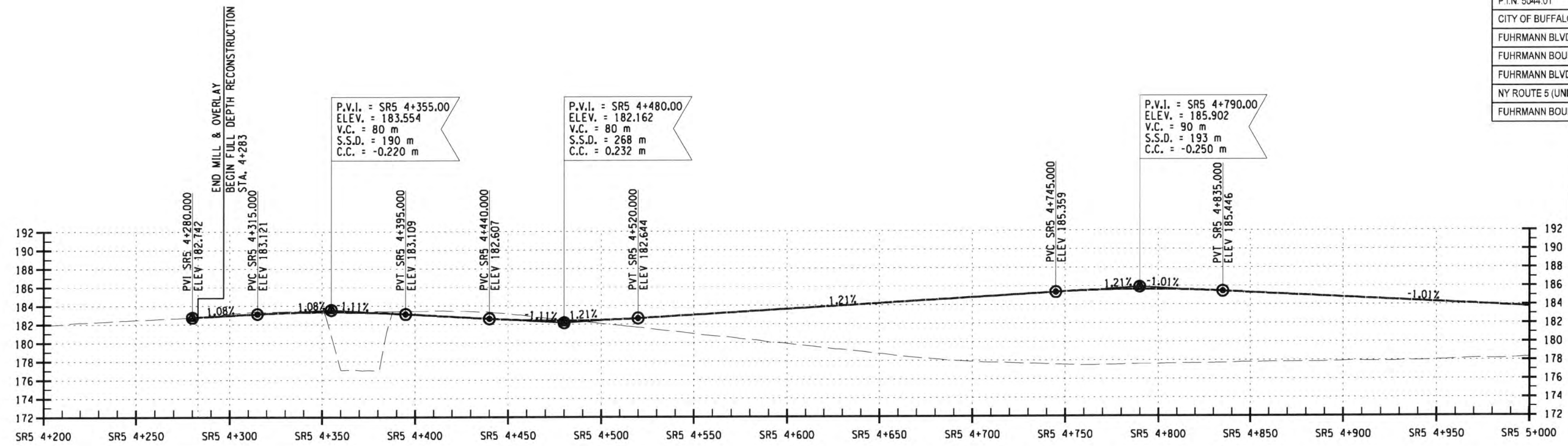
STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
REGION 5

PB AMERICAS, INC. DATE 12/31/09 DRAWING NO. PR-4

FILE: c:\pws\cadd\region 5\50440\project\sswy_highway_design\gen\03\FB 504401.dgn DATE: 7/8/2010 2:15:01 PM

DESIGN SUPERVISOR J. HUBERT
 JOB MANAGER J. HUBERT
 DESIGNED BY J. GEASLING
 CHECKED BY J. HUBERT
 ESTIMATED BY J. GEASLING
 CHECKED BY J. GEASLING
 DRAFTED BY T. MALCZEWSKI
 CHECKED BY J. GEASLING

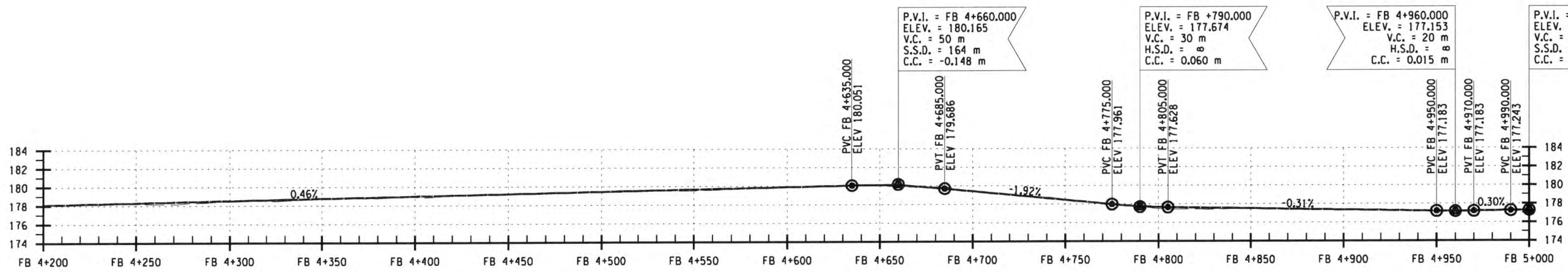
FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	38F1	940
P.I.N. 5044.01		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD, FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				



FIELD CHANGE

THIS SHEET SUPERSEDES SHEET 38.

NOTE: THIS SHEET REPRESENTS REVISIONS TO THE PS&E DRAWINGS DATED 09/07/07. THESE FIELD CHANGE SHEETS ARE NECESSARY DUE TO DESIGN CHANGES INTRODUCED AFTER THE PROJECT WAS AWARDED. CHANGES TO THIS SHEET INCLUDE MODIFICATIONS TO THE PROFILES. SEE SHEET 2 FOR APPROVAL.



ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED

AS BUILT REVISIONS

No

J. Geasling 5-1-12
SIGNATURE DATE

GENERAL PROFILES
NYS ROUTE 5 & FUHRMANN BLVD.

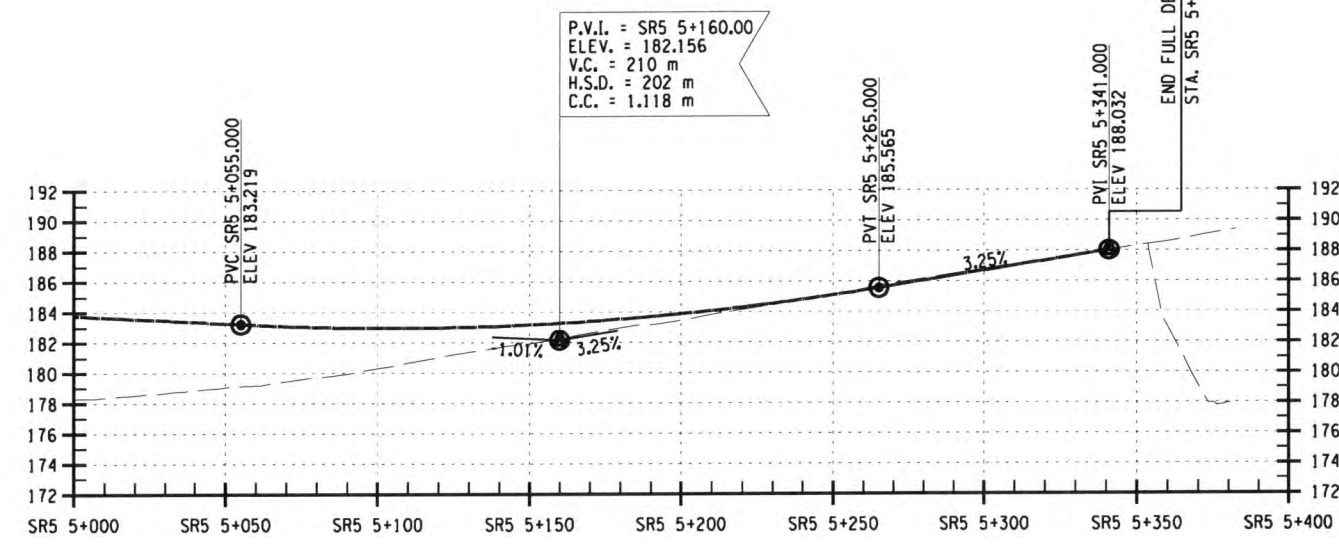
STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
REGION 5

PB AMERICAS, INC. DATE 12/31/09 DRAWING NO. PR-5

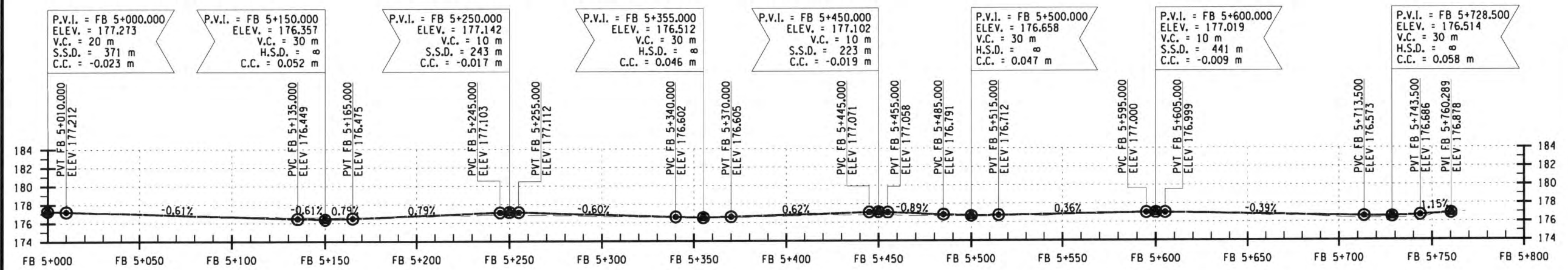
FILE: c:\program files\benitey\workspace\system\tables\peniv6_nysdot.tbl PLOTTED BY: meclina
 DATE: 7/8/2010 2:15:02 PM

DESIGN SUPERVISOR J. HUBERT
 JOB MANAGER J. HUBERT
 DESIGNED BY J. GEASLING
 CHECKED BY J. HUBERT
 ESTIMATED BY J. GEASLING
 DRAFTED BY T. MALCZEWSKI
 CHECKED BY J. GEASLING

FED ROAD REG NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	39F1	940
P.I.N. 5044.01		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD, FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				



NYS ROUTE 5



FUHRMANN BOULEVARD

FIELD CHANGE

THIS SHEET SUPERSEDES SHEET 39.

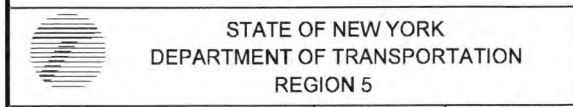
NOTE: THIS SHEET REPRESENTS REVISIONS TO THE PS&E DRAWINGS DATED 09/07/07. THESE FIELD CHANGE SHEETS ARE NECESSARY DUE TO DESIGN CHANGES INTRODUCED AFTER THE PROJECT WAS AWARDED. CHANGES TO THIS SHEET INCLUDE MODIFICATIONS TO THE PROFILES. SEE SHEET 2 FOR APPROVAL.

ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED
AS BUILT REVISIONS

No

[Signature] 5-1-12
SIGNATURE DATE

GENERAL PROFILES
NYS ROUTE 5 & FUHRMANN BLVD.



PB AMERICAS, INC. DATE 12/31/09 DRAWING NO. PR-6

FILE: c:\p\program files\benley\workspace\system\tables\peniv6_sysdot.tbl PLOTTED BY: meclatna
 DATE: 7/8/2010 2:15:04 PM

GENERAL NOTES

- MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 619 - MAINTENANCE AND PROTECTION OF TRAFFIC, OF THE SPECIFICATIONS AND THE NEW YORK STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.)
- SIGN LOCATIONS ARE APPROXIMATE, EXACT LOCATIONS SHALL BE DETERMINED BY THE FOREMAN OR IF ON A "D" CONTRACT, BY THE PROJECT ENGINEER-IN-CHARGE.
- SIGN HEIGHT SHALL BE 7 FT (2.1M) IN AREAS WHERE PEDESTRIANS AND PARKED CARS ARE ENCOUNTERED.
- ACTUAL FIELD CONDITIONS MAY REQUIRE OTHER SIGNS AND/OR OTHER ARRANGEMENTS OF SIGNS.
- W4-2 SIGN MAY BE MOVED IF IT OBSCURES THE FLASHING ARROW BOARD.
- ON LONG LANE CLOSURES, ADDITIONAL CHANNELIZING DEVICES SHALL BE PLACED PERPENDICULAR TO TRAFFIC IN THE CLOSED LANE, EVERY 500 FT. (150 m)
- WHEN TYPE III BARRICADES ARE USED NEAR DRIVEWAYS OR INTERSECTIONS THEY SHALL BE PLACED IN SUCH A WAY AS TO NOT OBSCURE SIGHT DISTANCE.
- THE CONTRACTOR SHALL NOT MIX DELINEATION DEVICES IN A LINEAR CLOSURE OR TAPER. (IE: CONES, VERTICAL PANELS, TUBULAR MARKERS OR DRUMS SHALL BE USED IN THE SAME TAPER OR CLOSURE). HOWEVER, DIFFERENT DELINEATION DEVICES MAY BE USED IN DIFFERENT AREAS OF THE PROJECT.
- DURING NON-WORK HOURS, CONSTRUCTION EQUIPMENT AND MATERIALS SHALL NOT BE STORED WITHIN 30 FT. (9.2 m) OF THE EDGE OF PAVEMENT, UNLESS PROTECTED.
- VEHICLES BELONGING TO THE CONTRACTOR OR HIS WORKERS SHALL NOT BE PARKED WITHIN 30 FT. (9.2 m) OF THE EDGE OF PAVEMENT ALONG A ROADWAY BEING USED BY THE GENERAL PUBLIC, UNLESS THEY ARE PARKED WITHIN A PROTECTED WORK ZONE.
- NO CONSTRUCTION MATERIAL MAY BE STORED OR PLACED ON THE ROADWAY OR ROADBED EXCEPT IN A PROTECTED WORK ZONE.
- WHENEVER GUIDERAIL IS REMOVED, THE CONTRACTOR SHALL INSTALL VERTICAL PANELS OR BARRELS IN ACCORDANCE WITH SECTION 292.3 AND 292.4 OF THE M.U.T.C.D. THEY SHALL BE SPACED EQUIVALENT TO THE NUMERICAL VALUE OF THE SPEED LIMIT OR 40 FT. (12 M) MAXIMUM, THEY SHALL BE LEFT IN PLACE UNTIL THE NEW GUIDERAIL IS INSTALLED OR THE SLOPE FLATTENING WORK HAS BEEN COMPLETED. IF THE VERTICAL PANELS ARE LEFT OVERNIGHT, THEY SHALL BE PRECEDED BY A TYPE III BARRICADE WITH A TYPE A FLASHER.
- W20-7 OR W20-7A "FLAGGER" SIGNS SHALL BE USED WHENEVER FLAGGING OCCURS FOR MORE THAN A BRIEF PERIOD OF TIME. THE SIGN SHALL BE PROMPTLY REMOVED, COVERED OR TURNED AWAY FROM TRAFFIC WHEN THE FLAGGING OPERATION CEASES.
- THE FLAGGER STATION AND LANE CLOSURES SHOULD BE LOCATED TO ENSURE MAXIMUM VISIBILITY.
- THE CONTRACTOR WILL BE REQUIRED TO COVER AND UNCOVER EXISTING AND CONSTRUCTION SIGNS DURING THE PROJECT. THIS PROCESS WILL BE DIRECTED BY THE E.I.C AND/OR THE REGIONAL ENGINEER AND SHALL BE INCLUDED IN ITEM 619.01M AT NO ADDITIONAL COST TO THE STATE.
- THE REGIONAL TRANSPORTATION SYSTEM OPERATIONS ENGINEER SHALL AUTHORIZE THE HOURS THAT A WORK ZONE SPEED LIMIT CAN BE IN PLACE DURING THE PROJECT. THIS MAY REQUIRE THE COVERING AND UNCOVERING OF THESE SIGNS ON A DAILY BASIS OR AS DIRECTED BY THE REGIONAL TRANSPORTATION SYSTEM OPERATIONS ENGINEER.
- G20-1 SIGN SHALL BE OMITTED FOR PROJECTS LESS THAN 2 MILES (3KM). THE SIGN SHALL BE AFTER THE ROAD WORK AHEAD SIGN, BUT BEFORE ANY OTHER ROAD WORK OR COUNT DOWN SIGNS. DISTANCE SHOWN SHALL BE IN HALF OR WHOLE MILE INCREMENTS.
- ALL CONFLICTING PAVEMENT MARKINGS, SUCH AS SKIP LINES IN THE TAPER FOR LANE CLOSURES, SHALL BE COMPLETELY COVERED OR REMOVED AS NECESSARY. PAINT AND LIQUID ASPHALT ARE NOT ACCEPTABLE FOR COVERING PAVEMENT MARKINGS.
- WHEN ONE-WAY TRAFFIC - SHORT DURATION IS NECESSARY, THE CONTRACTOR SHALL REFER TO THE M.U.T.C.D. FOR TYPICAL TRAFFIC CONTROL AND DELINEATION.
- ALL FLAG TREES SHALL HAVE A MINIMUM OF THREE (3) FLAGS.
- IF EXISTING TRAFFIC SIGNALS HAVE TRAFFIC ACTUATED PHASES, DETECTION MUST BE MAINTAINED THROUGHOUT THE CONTRACT. THIS MAY REQUIRE TEMPORARY VEHICLE DETECTION (MAGNETIC, VIDEO, MICROWAVE, ETC.). THE COST TO MAINTAIN VEHICLE DETECTION SHALL BE INCLUDED IN ITEM 619.1611M. DETECTION SHALL ALSO BE MAINTAINED DURING WINTER SHUTDOWN, AS WELL AS ANY TURN ARROWS.
- CONSTRUCTION SIGN OVERLAYS - IF OVERLAYS ARE TO BE USED TO CHANGE THE SIGN FACE LAYOUT, THE OVERLAYS SHALL BE SECURELY ATTACHED IN SUCH A MANNER AS NOT TO OBSCURE ANY PORTION OF THE EXISTING SIGN FACE. THE OVERLAY SHALL BE MADE OF THE SAME REFLECTIVE SHEETING AS THE CONSTRUCTION SIGN AND SHALL BE LEGIBLE, BOTH IN DAYLIGHT AND AT NIGHT.
- REFER TO DWG. MPT-2A FOR WINTER WORK AND WINTER SHUTDOWN NOTES.
- THE CONTRACTOR SHALL REPAIR OR REPLACE, AS DETERMINED BY THE ENGINEER-IN-CHARGE OR THE NORTH ERIE RESIDENT ENGINEER, ANY TRAFFIC CONTROL DEVICE LEFT IN PLACE WHICH BECOMES DAMAGED, DISPLACED OR DESTROYED DURING SNOW AND ICE CONTROL OPERATIONS BY STATE FORCES.
- THE CONTRACTOR SHALL MAINTAIN THE PROJECT CORRIDOR, WHICH INCLUDES THE ROADWAY AND ROADSIDE IN A NEAT CONDITION, FREE OF DEBRIS AND EMPLOY APPROPRIATE TURF MANAGEMENT PRACTICES WHERE DIRECTED.
- TEMPORARY PAVEMENT MARKINGS ON PERMANENT TOP COURSE SHALL BE REMOVABLE.

TIME AND HOLIDAY RESTRICTIONS

- NO WORK SHALL BE ALLOWED ON NY ROUTE 5 EASTBOUND FROM 6AM TO 9AM, AND NY ROUTE 5 WESTBOUND FROM 3PM TO 6PM. THESE TIME RESTRICTIONS INCLUDE THE SET-UP AND TAKE-DOWN OF WORK ZONES.
- NO WORK WILL BE ALLOWED FROM NOON THURSDAY UNTIL MONDAY, (FOR HOLIDAYS FALLING ON SATURDAY) OF FROM NOON FRIDAY UNTIL TUESDAY (FOR HOLIDAYS FALLING ON SUNDAY), ON THE FOLLOWING OBSERVED HOLIDAY WEEKENDS:
 VICTORIA DAY (5/16/08 TO 5/20/08, 5/15/09 TO 5/19/09, 5/21/10 TO 5/25/10)
 MEMORIAL DAY (5/23/08 TO 5/27/08, 5/22/09 TO 5/26/09, 5/28/10 TO 6/1/10)
 INDEPENDENCE DAY (7/3/08 TO 7/7/08, 7/2/09 TO 7/6/09, 7/2/10 TO 7/6/10)
 LABOR DAY (8/28/08 TO 9/2/08, 9/4/09 TO 9/8/09, 9/3/10 TO 9/7/10)
- NO WORK WILL BE ALLOWED FROM NOON THE DAY BEFORE UNTIL NOON THE DAY AFTER, ON THE FOLLOWING HOLIDAYS:
 CANADA DAY (6/30/08 TO 7/2/08, 6/30/09 TO 7/2/09, 6/30/10 TO 7/2/10)
 THANKSGIVING DAY (11/26/08 TO 11/28/08, 11/25/09 TO 11/27/09, 11/24/10 TO 11/26/10)
- THESE TIME RESTRICTIONS ARE FOR SINGLE LANE CLOSURES AND SHOULDER CLOSURES. SITE SPECIFIC VARIANCES TO TIME RESTRICTIONS WILL BE CONSIDERED ON A CAST-BY-CAST BASIS AND ONLY WITH APPROVAL OF THE SURFACE TRANSPORTATION CONTROLLER (STC). ALL DOUBLE LANE CLOSURES WILL REQUIRE APPROVAL BY THE STC. E-MAIL THE STC AT R05-STC@DOT.STATE.NY.US FOR APPROVAL.
- TIME RESTRICTIONS ARE FOR ANY WORK DAY, SUNDAY THROUGH SATURDAY, INCLUSIVE. ANY WAIVER OF THESE RESTRICTIONS NEEDS TO BE APPROVED BY THE SURFACE TRANSPORTATION CONTROLLER (STC). E-MAIL THE STC AT R05-STC@DOT.STATE.NY.US FOR PRIOR APPROVAL.

SUGGESTED CONSTRUCTION SEQUENCE AND TRAFFIC CONTROL NOTES

- STAGE 1A:**
- CONSTRUCT EMBANKMENT AND TEMPORARY PAVEMENT FOR DIVERSION RAMP 'SB2', AND 'STD', REMOVE EXISTING ROUTE 5 GUIDE RAIL AT THESE LOCATIONS, AND INSTALL TEMPORARY CONCRETE BARRIER IN ITS PLACE. IMPLEMENT THE FOLLOWING TEMPORARY OPERATIONS IN ORDER TO ALLOW THIS WORK TO BE COMPLETED:
 - CLOSE SB RIGHT LANE ON ROUTE 5 BETWEEN SOUTH END OF SKYWAY BRIDGE AND EXISTING RAMP 'C'.
 - CLOSE LEFT LANE ON FUHRMANN BLVD. NORTH OF EXISTING 'E' RAMPS.
 - MAINTAIN TRAFFIC ON EXISTING RAMP 'P' AND CLOSE LEFT SHOULDER.
 - CONSTRUCT TEMPORARY PAVEMENT ALONG FUHRMANN BLVD. BETWEEN SERVICE ROAD 'D' AND FUTURE ROUNDABOUT AT OUTER HARBOR DRIVE. IMPLEMENT THE FOLLOWING TEMPORARY OPERATION IN ORDER TO ALLOW THIS WORK TO BE COMPLETED:
 - CLOSE ONE LANE ON SB FUHRMANN BLVD. BETWEEN SERVICE ROAD 'D' AND EXISTING RAMP 'E'.
 - REMOVE RAISED ISLANDS AT INTERSECTION OF OHIO ST. AND FUHRMANN BLVD. AND CONSTRUCT TEMPORARY PAVEMENT. IMPLEMENT THE FOLLOWING TEMPORARY OPERATION IN ORDER TO ALLOW THIS WORK TO BE COMPLETED:
 PROHIBIT SB FUHRMANN BLVD. LEFT TURN TO OHIO ST. DETOUR TRAFFIC BOUND TO OHIO ST. TO SERVICE ROAD 'C' TURNAROUND.
 - CONSTRUCT NEW ENTRANCE TO SMALL BOAT HARBOR AND REMOVE EXISTING ENTRANCE AND DRIVEWAY.
 - CONSTRUCT MULTI-USE PATH AND TEMPORARY PAVEMENT IN THE VICINITY OF THE FUTURE OUTER HARBOR DRIVE ROUNDABOUT.
STAGE 1B:
 AT THE BEGINNING OF STAGE 1B, REMOVE TEMPORARY CONCRETE BARRIER FROM OPENING OF DIVERSION RAMP 'STD' AND DETOUR SB ROUTE 5 TRAFFIC ONTO FUHRMANN BLVD. VIA RAMP 'STD' AND BACK ONTO ROUTE 5 FROM FUHRMANN BLVD. VIA RAMP 'SB2'. CLOSE SB ROUTE 5 FROM SOUTH END OF SKYWAY BRIDGE TO EXISTING RAMP 'P'.
 - CLOSE SERVICE ROAD 'C' TO ALL TRAFFIC. IMPLEMENT TEMPORARY TRAFFIC SIGNAL AT INTERSECTION OF OHIO ST. AND FUHRMANN BLVD.
 - CONSTRUCT TEMPORARY EMBANKMENT AND PAVEMENT FOR DIVERSION RAMP 'SB1' AND 'NTD'. IMPLEMENT THE FOLLOWING TEMPORARY OPERATIONS IN ORDER TO ALLOW THIS WORK TO BE COMPLETED:
 - CLOSE LEFT LANE ON NB FUHRMANN BLVD. IN VICINITY OF EXISTING RAMP 'E'.
 - CLOSE NB ROUTE 5 RIGHT LANE BETWEEN EXISTING RAMP 'E' AND SOUTH END OF SKYWAY BRIDGE.
 - CLOSE RAMP 'Q'.
 - CONSTRUCT TEMPORARY PAVEMENT BETWEEN DIVERSION RAMP 'SB1' AND OHIO ST.
 - CONSTRUCT RETAINING WALLS WEST OF ROUTE 5 BETWEEN EXISTING RAMP 'Q' AND OHIO ST.
 - REMOVE SERVICE ROAD 'C'
 - MAINTAIN ALL EXISTING TRAVEL LANES AND TRAFFIC PATTERNS ON TIFFT ST. AND FUHRMANN BLVD. UPON COMPLETION, CLOSE EXISTING FUHRMANN BLVD. TO TRAFFIC.

- MAINTAIN ALL EXISTING TRAVEL LANES AND TRAFFIC PATTERNS ON TIFFT ST. AND FUHRMANN BLVD. UPON COMPLETION, CLOSE EXISTING FUHRMANN BLVD. TO TRAFFIC.
- CONSTRUCT PORTION OF TIFFT NATURE PRESERVE DRIVEWAY BETWEEN TIFFT ST. AND EXISTING NB FUHRMANN BLVD. IMPLEMENT THE FOLLOWING TEMPORARY OPERATIONS IN ORDER TO ALLOW THIS WORK TO BE COMPLETED:
 - CLOSE RIGHT LANE OF WB TIFFT ST. SOUTH OF NB FUHRMANN BLVD. AND NB FUHRMANN NORTH OF TIFFT ST.
- REMOVE ROUTE 5 MEDIAN CONCRETE BARRIER BETWEEN STA. 2+444 TO 2+580, CONSTRUCT TEMPORARY PAVEMENT, INSTALL LANE MARKINGS, TEMPORARY CONCRETE BARRIER AND DELINEATORS TO COMPLETE DIVERSION RAMP 'SB1'. IMPLEMENT THE FOLLOWING TEMPORARY OPERATIONS IN ORDER TO ALLOW THIS WORK TO BE COMPLETED:
 - CLOSE NB ROUTE 5 LEFT LANE BETWEEN EXISTING RAMPS 'M' AND 'R'.
STAGE 1C:
 AT THE BEGINNING OF STAGE 1C, CONTINUE DETOUR OF SB ROUTE 5 TRAFFIC DESCRIBED IN STAGE 1B. SB ROUTE 5 REMAINS CLOSED BETWEEN SOUTH END OF SKYWAY BRIDGE AND EXISTING RAMP 'P'. DETOUR NB ROUTE 5 TRAFFIC ONTO FUHRMANN BLVD. VIA RAMP 'SB1', TO FUHRMANN BLVD. NB, FROM FUHRMANN BLVD. NB, VIA EXISTING SERVICE ROAD 'D' AND BACK ONTO ROUTE 5 FROM FUHRMANN BLVD. NB VIA RAMP 'NTD'. CLOSE NB ROUTE 5 FROM EXISTING RAMP 'R' TO THE SOUTH END OF SKYWAY BRIDGE.
- RECONSTRUCT ROUTE 5 FROM SERVICE ROAD 'C' THROUGH OHIO ST AND FROM SERVICE RD 'D' TO THE SKYWAY BRIDGE, INCLUDING PERMANENT RETAINING WALLS. CONSTRUCT TEMPORARY RETAINING WALL FROM STA. 4+440+/- TO MEET THE PERMANENT RETAINING WALL ON THE EAST SIDE OF ROUTE 5 (STA. 4+640+/-).
- RESURFACE ROUTE 5 BETWEEN OHIO ST AND STA. 4+280+/-.
- RESURFACE ROUTE 5 BETWEEN EXISTING RAMPS 'Q' AND 'R' AND SERVICE ROAD 'C'.
- PLACE EMBANKMENT FOR RAMPS 'XC' AND 'XA', AND FOLLOWING PRE-LOAD PERIOD (SEE DWG. MPT-12), GRADE TO PROPOSED SUBGRADE ELEVATION AND INSTALL PAVEMENT SECTION.
- PLACE EMBANKMENT FOR PORTIONS OF RAMPS 'XB' AND 'OD' (SEE DWG. MPT-12). AT RAMP 'OD', INSTALL TEMPORARY RETAINING WALL FROM STA. 001+155 TO STA 001+402 IN ORDER TO MAINTAIN A SINGLE LANE OF OPERATION ON FUHRMANN BLVD. NB.
- REMOVE PORTIONS OF ROUTE 5 BETWEEN SERVICE ROAD 'C' AND RAMP 'C'.
- REMOVE EXISTING RAMPS 'G' AND A PORTION OF RAMP 'E'.
- CONSTRUCT TEMPORARY RETAINING WALLS BEHIND OUTER HARBOR BRIDGE ABUTMENTS AND PLACE PRE-LOAD EMBANKMENT (SEE DWG. MPT-12) IN BRIDGE AREA.
- FOLLOWING PRE-LOAD PERIOD AND OUTER HARBOR DR. BRIDGE CONSTRUCTION, CONSTRUCT OUTER HARBOR DRIVE BETWEEN EXISTING FUHRMANN BLVD. AND EXISTING FUHRMANN BLVD. NB.
- CONSTRUCT PORTION OF RAMP 'TA', AND FOLLOWING PRE-LOAD PERIOD (SEE DWG. MPT-12), GRADE TO PROPOSED SUBGRADE ELEVATION AND INSTALL PAVEMENT SECTION.
- REMOVE EXISTING FUHRMANN BLVD. NB, BETWEEN TIFFT ST. AND NEW TIFFT NATURE PRESERVE DRIVEWAY.
- PLACE EMBANKMENT FOR RAMP 'TB' (SEE DWG. MPT-12). IMPLEMENT THE FOLLOWING TEMPORARY OPERATIONS IN ORDER TO ALLOW THIS WORK TO BE COMPLETED:
 - AT THE BEGINNING OF STAGE 1C, SHIFT FUHRMANN BLVD. NB TRAFFIC TO TIFFT NATURE PRESERVE DRIVEWAY BUILT IN STAGE 1B. CLOSE SOUTH END OF FUHRMANN BLVD. NB TO ALL TRAFFIC.
- CONSTRUCT NEW PEDESTRIAN WALKWAY IN PLACE OF SERVICE ROAD 'C'. MAINTAIN EXISTING TRAVEL LANES ON ADJACENT FUHRMANN. BLVD. NB.
- REMOVE EXISTING RAMP 'H' AND CONSTRUCT RAMP 'TC' FOLLOWING PLACEMENT OF PRE-LOAD EMBANKMENT AND WAITING PERIOD (SEE DWG. MPT-12). IMPLEMENT THE FOLLOWING TEMPORARY OPERATIONS IN ORDER TO ALLOW THIS WORK TO BE COMPLETED:
 - AT THE BEGINNING OF STAGE 1C, DETOUR TIFFT STREET TRAFFIC BOUND FOR SB ROUTE 5 TO JOIN THE SB DETOUR AT OHIO STREET VIA TIFFT NATURE PRESERVE DRIVEWAY INTO FUHRMANN BLVD. NB, CLOSE EXISTING RAMP 'H' TO TRAFFIC.
- REMOVE EXISTING SOUTH FUHRMANN BLVD. BETWEEN TIFFT ST. AND EXISTING DRIVEWAY TO INDEPENDENT CEMENT. IMPLEMENT THE FOLLOWING TEMPORARY OPERATIONS IN ORDER TO ALLOW THIS WORK TO BE COMPLETED:
 MAINTAIN TRAFFIC DETOURED IN STAGE 1B ON TEMPORARY SOUTH FUHRMANN BLVD. ROADWAY.
- RECONSTRUCT PORTION OF EXISTING RAMP 'J' (NEW RAMP 'TD'). IMPLEMENT THE FOLLOWING TEMPORARY OPERATIONS IN ORDER TO ALLOW THIS WORK TO BE COMPLETED:
 ROUTE TRAFFIC AROUND PARTIAL RAMP CLOSURES.
STAGE 1D:
 - AT THE BEGINNING OF STAGE 1D, CHANGE DETOUR PATTERN AS FOLLOWS:
 SHIFT NB ROUTE 5 TRAFFIC TO CONTINUE ON FUHRMANN BLVD. TO OUTER HARBOR DRIVE, THEN TO FUHRMANN BLVD. NB, FROM OUTER HARBOR DRIVE AND ONTO THE SKYWAY BRIDGE FROM FUHRMANN BLVD. NB, VIA RAMP 'NTD'. CLOSE SERVICE ROAD 'D' TO TRAFFIC.

FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	40	940
P.I.N. 5044.01		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD, FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				

LEGEND:

- CONSTRUCTION TO BE COMPLETED UNDER THIS PHASE
- CONSTRUCTED AREA
- TEMPORARY PAVEMENT
- EXISTING PAVEMENT TO BE REMOVED
- REMOVED PAVEMENT
- FLAGGER
- FLAG TREE
- IMPACT ATTENUATOR
- PORTABLE FLASHING ARROW BOARD
- TEMPORARY CONCRETE BARRIER
- DRUM
- CONSTRUCTION SIGN
- SHADOW VEHICLE
- TYPE III BARRICADE WITH WARNING LIGHTS

ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED

AS BUILT REVISIONS

NO

 SIGNATURE
 5-1-12
 DATE

MAINTENANCE AND PROTECTION OF TRAFFIC GENERAL NOTES

STATE OF NEW YORK
 DEPARTMENT OF TRANSPORTATION
 REGION 5

PB AMERICAS, INC. DATE 09/07/07 DRAWING NO. MPT-1

CHECKED BY R. SENG
 DRAFTED BY J. DIAZ
 ESTIMATED BY R. CANESTRA
 CHECKED BY A. OSKODI
 DESIGNED BY R. CANESTRA
 JOB MANAGER J. HUBERT
 DESIGN SUPERVISOR A. OSKODI

FILE: G:\NYSDOT\CADD\Region 5\5044\01\projectary_highway_design\mpt14401_gpl_mpt_notes_01.dgn
 PLOTTED BY: McChlaira

SUGGESTED CONSTRUCTION SEQUENCE AND TRAFFIC CONTROL NOTES CONT'D:

- SHIFT SB ROUTE 5 TRAFFIC ONTO TEMPORARY ROADWAY FROM RAMP 'STD' VIA FUHRMANN BLVD., THEN BACK TO FUHRMANN BLVD. AT SERVICE ROAD 'D' VIA TEMPORARY ROADWAY, AND BACK TO ROUTE 5 FROM FUHRMANN BLVD. VIA RAMP 'SB2'.
- REMOVE BRIDGE OVER SERVICE ROAD 'D'.
- CONSTRUCT FILL, PERMANENT RETAINING WALL, TEMPORARY RETAINING WALL, AND TEMPORARY PAVEMENT ON ROUTE 5 FROM STA. 4+320 TO STA. 4+430.
- UPON COMPLETION OF TEMPORARY PAVEMENT CARRYING TRAFFIC OVER SERVICE ROAD 'D', REOPEN ROUTE 5 IN BOTH DIRECTIONS. ESTABLISH THE FOLLOWING TRAFFIC PATTERN CHANGES:
 - MAINTAIN NB FUHRMANN BLVD. TRAFFIC THROUGH OUTER HARBOR DRIVE AND FUHRMANN BLVD. NB TO CONTINUE NORTH.
 - EXISTING FUHRMANN BLVD. IS CLOSED IN THE VICINITY OF RAMP 'XA' AND SB FUHRMANN BLVD. TRAFFIC IS DETOURED TO THE TEMPORARY ROADWAY, WHICH MEETS EXISTING FUHRMANN BLVD. AT SERVICE ROAD 'D'.
 - OPERATE OUTER HARBOR DRIVE EASTBOUND ONLY.
 - OPEN RAMP 'XA' AND ROUTE TRAFFIC TO TURN LEFT ONTO OUTER HARBOR DRIVE TO ACCESS SB FUHRMANN BLVD. VIA THE TURNAROUND UNDER SKYWAY BRIDGE. RAMP 'XC' IS NOT YET OPEN TO TRAFFIC.
 - ADD TEMPORARY PAVEMENT AS DIRECTED BY THE EIC TO ACCOMMODATE SETTLING AT SERVICE ROAD 'C'.
- FOR TRAFFIC CONTROL BETWEEN TIFFT STREET AND OHIO STREET, ESTABLISH THE FOLLOWING:
 - REMOVE INTERIM PAVEMENT MARKINGS FOR RAMPS SB1 AND SB2 WHERE THEY INTERFERE WITH THE ORIGINAL ROUTE 5, RAMP P AND RAMP Q MARKINGS (PAYMENT UNDER ITEM 619.0801) AND RESTORE THE ORIGINAL MARKINGS WITH ITEM 619.100101 TO OPEN ROUTE 5 AND THE RAMPS TO TRAFFIC.
 - REMOVE TEMPORARY CONCRETE BARRIER PLACED IN STAGE 1B AND PLACE TEMPORARY CONCRETE BARRIER IN ROUTE 5 MEDIAN BETWEEN STA. 2+444 AND STA. 2+580 (PAYMENT UNDER ITEM 619.1704).
 - REMOVE FROM ROUTE 5 AND FUHRMANN BLVD. ALL DETOUR SIGNS, ROAD CLOSED SIGNS, BARRICADES AND DELINEATION ASSOCIATED WITH THE DETOUR.
 - PLACE INTERIM PAVEMENT MARKINGS (ITEM 619.100101) ON FUHRMANN BLVD. CONSISTENT WITH THE REOPENING OF RAMPS P AND Q.
 - CLOSE NB FUHRMANN BLVD. FROM THE VICINITY OF RAMP Q TO OHIO STREET, OPERATING SB TRAFFIC ONLY WITHIN THESE LIMITS.
 - OPEN RAMP TC TO TRAFFIC.
 - FOR NORTHBOUND TRAFFIC, REOPEN RAMP R WITH A YIELD SIGN AT ITS ENTRANCE TO THE MAINLINE, RECONFIGURING THE ACCELERATION LANE TO MATCH THE ROUTE 5 CONSTRUCTION COMPLETED IN STAGE 1C (SEE DWG. MPT-116).
 - CONTINUE TO MAINTAIN TRAFFIC ON RAMP M.
 - PLACE EMBANKMENT FOR RAMP XD (SEE DWG. MPT-12). FOLLOWING PRE-LOAD PERIOD, GRADE TO PROPOSED SUBGRADE ELEVATION AND CONSTRUCT PAVEMENT SECTION.
 - UPON APPROVED CONSOLIDATION OF SERVICE ROAD 'D' FILL (SEE DWG. MPT-12), CONSTRUCT NEW ROUTE 5 MEDIAN AND INSIDE LANES, THEN CONSTRUCT OUTSIDE LANES, SHOULDERS, AND RAMP 'XD'.
 - CLOSE NB AND SB LEFT LANES (INCLUDING PEAK PERIODS) ON ROUTE 5 IN THE VICINITY OF THE SERVICE ROAD 'D' FILL.
 - UPON COMPLETION OF MEDIAN CONSTRUCTION, CLOSE NB AND SB RIGHT LANES (INCLUDING PEAK PERIODS) ON ROUTE 5 IN THE VICINITY OF THE SERVICE ROAD 'D' FILL, TO COMPLETE THE PERMANENT PAVEMENT CONSTRUCTION.
- UPON COMPLETION OF STAGE 1D, ESTABLISH THE FOLLOWING TRAFFIC PATTERN CHANGES:
 - RESTORE TRAFFIC TO ALL LANES OF ROUTE 5.
 - OPEN RAMP 'XD' TO TRAFFIC AND ROUTE TRAFFIC TO FUHRMANN BLVD. NB TO ACCESS SB FUHRMANN BLVD. VIA THE TURNAROUND UNDER SKYWAY BRIDGE.
- STAGE 1E:**
 - REMOVE TEMPORARY DIVERSION RAMP 'STD' AND RESTORE ROUTE 5 GUIDE RAIL. IMPLEMENT THE FOLLOWING TEMPORARY OPERATIONS IN ORDER TO ALLOW THIS WORK TO BE COMPLETED:
 - CLOSE SB RIGHT LANE ON ROUTE 5 BETWEEN SOUTH END OF SKYWAY BRIDGE AND EXISTING RAMP 'G'.
 - CLOSE LEFT LANE ON FUHRMANN BLVD. NORTH OF EXISTING RAMPS 'G'.
- STAGE 2:**
 - RESURFACE ROUTE 5 BETWEEN CSX BRIDGE AND EXISTING RAMPS 'Q' AND 'R'. IMPLEMENT THE FOLLOWING TEMPORARY OPERATIONS IN ORDER TO ALLOW THIS WORK TO BE COMPLETED:
 - CLOSE ONE LANE IN EACH DIRECTION ON ROUTE 5 (RESTRICTED TO OFF-PEAK HOURS) AS APPROPRIATE.
 - CONSTRUCT TEMPORARY PAVEMENT (SUBBASE ONLY) EAST OF EXISTING FUHRMANN BLVD. BETWEEN EXISTING RAMP 'G' AND COAST GUARD FACILITY ENTRANCE.
 - REMOVE EXISTING FUHRMANN BLVD. PAVEMENT BETWEEN EXISTING RAMP 'G' AND COAST GUARD FACILITY ENTRANCE. IMPLEMENT THE FOLLOWING TEMPORARY OPERATIONS IN ORDER TO ALLOW THIS WORK TO BE COMPLETED:

- RESTRICT TRAFFIC TO A ONE-LANE, TWO-WAY OPERATION WITH FLAGGERS DURING THE OPERATION AND RESTORE TWO-WAY TRAFFIC ON TWO LANES AT THE CONCLUSION OF THE DAILY OPERATION.
- UPON COMPLETION OF STAGE 2, ESTABLISH LOCAL TRAFFIC PATTERN NORTH OF SERVICE ROAD 'D' AS FOLLOWS:
 - BETWEEN SERVICE ROAD 'D' & OUTER HARBOR DRIVE, FUHRMANN BLVD. BECOMES TWO-WAY TRAFFIC WITH ONE LANE IN EACH DIRECTION. AT OUTER HARBOR DRIVE, DIVERT NB TRAFFIC ONTO FUHRMANN BLVD. NB VIA OUTER HARBOR DRIVE.
 - BETWEEN THE TURNAROUND UNDER THE SKYWAY BRIDGE AND OUTER HARBOR DRIVE, EXISTING FUHRMANN BLVD. IS SOUTHBOUND ONLY AND SB TRAFFIC IS SHIFTED FROM THE TEMPORARY ROADWAY ONTO EXISTING FUHRMANN BLVD. AND INTO ONE LANE.
 - OUTER HARBOR DRIVE REMAINS ONE-WAY EASTBOUND.
 - CLOSE TEMPORARY ROADWAY SERVING SB FUHRMANN BLVD. TO TRAFFIC.
 - RAMP 'XC' REMAINS CLOSED.
- STAGE 3A:**
 - CONSTRUCT WEST SIDE OF FUHRMANN BLVD. AND BIKEWAY BETWEEN TIFFT ST. AND EXISTING RAMP 'P'.
 - CONSTRUCT EAST SIDE OF FUHRMANN BLVD. BETWEEN EXISTING RAMP 'P' AND OHIO ST.
 - REMOVE EXISTING RAMPS 'P' AND 'Q' AND TEMPORARY PAVEMENT ASSOCIATED WITH DIVERSION RAMPS 'SB1' AND 'SB2'. IMPLEMENT THE FOLLOWING TEMPORARY OPERATIONS IN ORDER TO ALLOW THIS WORK TO BE COMPLETED:
 - CLOSE ONE LANE ON SB FUHRMANN BLVD.
 - CLOSE ONE LANE ON WB TIFFT ST.
 - CONSTRUCT WEST SIDE OF FUHRMANN BLVD. AND BIKEWAY BETWEEN OHIO ST. AND SERVICE ROAD 'D'. IMPLEMENT THE FOLLOWING TEMPORARY OPERATIONS IN ORDER TO ALLOW THIS WORK TO BE COMPLETED:
 - RESTRICT FUHRMANN BLVD. TRAFFIC TO A TWO-LANE, TWO-WAY OPERATION.
 - CONSTRUCT WEST SIDE OF FUHRMANN BLVD. AND BIKEWAY BETWEEN SERVICE ROAD 'D' AND OUTER HARBOR DRIVE ROUNDABOUT. CONSTRUCT OUTER HARBOR DRIVE ROUNDABOUT. IMPLEMENT THE FOLLOWING TEMPORARY OPERATIONS IN ORDER TO ALLOW THIS WORK TO BE COMPLETED:
 - MAINTAIN ONE LANE IN EACH DIRECTION ON FUHRMANN BLVD.
 - CONSTRUCT WEST SIDE OF FUHRMANN BLVD. AND PORTION OF BIKEWAY BETWEEN OUTER HARBOR DRIVE ROUNDABOUT AND COAST GUARD FACILITY ENTRANCE. IMPLEMENT THE FOLLOWING TEMPORARY OPERATIONS IN ORDER TO ALLOW THIS WORK TO BE COMPLETED:
 - RESTRICT TRAFFIC AT THE COAST GUARD DRIVEWAY ENTRANCE TO A ONE-LANE, TWO-WAY OPERATION WITH FLAGGERS DURING THE ACTIVE WORK ZONE AND REMOVE FLAGGERS AT THE CONCLUSION OF THE DAILY OPERATION.
- STAGE 3B:**
 - CONSTRUCT EAST SIDE OF FUHRMANN BLVD. BETWEEN TIFFT ST. AND EXISTING RAMP 'P'.
 - CONSTRUCT WEST SIDE OF FUHRMANN BLVD. AND BIKEWAY BETWEEN EXISTING RAMP 'P' AND OHIO ST.
 - CONSTRUCT EAST SIDE OF FUHRMANN BLVD. BETWEEN OHIO ST. AND OUTER HARBOR DRIVE ROUNDABOUT. IMPLEMENT THE FOLLOWING TEMPORARY OPERATIONS IN ORDER TO ALLOW THIS WORK TO BE COMPLETED:
 - AT THE BEGINNING OF STAGE 3B, SHIFT TRAFFIC BETWEEN TIFFT ST. AND OUTER HARBOR DR. TO THE PORTION OF FUHRMANN BLVD CONSTRUCTED IN STAGE 3A MAINTAINING SB-ONLY TRAFFIC SOUTH OF OHIO ST. AND TWO-WAY TRAFFIC ON TWO LANES NORTH OF OHIO ST.
 - MAINTAIN NB TRAFFIC ON EAST FUHRMANN BLVD. BETWEEN TIFFT ST. AND OHIO ST.
 - CONSTRUCT EAST SIDE OF FUHRMANN BLVD. BETWEEN OUTER HARBOR DRIVE ROUNDABOUT AND COAST GUARD FACILITY ENTRANCE. IMPLEMENT THE FOLLOWING TEMPORARY OPERATIONS IN ORDER TO ALLOW THIS WORK TO BE COMPLETED:
 - BETWEEN OUTER HARBOR DR. AND MICHIGAN AVE., FUHRMANN BLVD. BECOMES TWO-WAY TRAFFIC WITH ONE LANE IN EACH DIRECTION.
 - RESTRICT TRAFFIC AT THE COAST GUARD DRIVEWAY ENTRANCE TO A ONE-LANE, TWO-WAY OPERATION WITH FLAGGERS DURING THE ACTIVE WORK ZONE AND REMOVE FLAGGERS AT THE CONCLUSION OF THE DAILY OPERATION.
 - CONSTRUCT PORTION OF BIKEWAY BETWEEN EXISTING TURNAROUND BENEATH SKYWAY BRIDGE AND COAST GUARD FACILITY ENTRANCE.
 - REMOVE PORTION OF EXISTING TURNAROUND BENEATH SKYWAY BRIDGE. CONSTRUCT PARKING LOT AT EXISTING TURNAROUND BENEATH SKYWAY BRIDGE.
 - REMOVE EXISTING FUHRMANN BLVD. AND PORTION OF EXISTING RAMPS 'G' IN VICINITY OF OUTER HARBOR DRIVE.
 - RECONSTRUCT MICHIGAN AVENUE. IMPLEMENT THE FOLLOWING TEMPORARY OPERATIONS IN ORDER TO ALLOW THIS WORK TO BE COMPLETED:
 - PERMIT LIMITED ACCESS TO MICHIGAN AVENUE FROM FUHRMANN BLVD. WITH FLAGGERS.
 - COMPLETE RAMP 'XB' CONSTRUCTION (SEE DWG. MPT-12) AND REMOVE EAST FUHRMANN BLVD. BETWEEN OUTER HARBOR DRIVE AND RAMP 'XB'. IMPLEMENT THE FOLLOWING TEMPORARY OPERATIONS IN ORDER TO ALLOW THIS WORK TO BE COMPLETED:

- CHANGE DIRECTION OF OUTER HARBOR DRIVE UNDER ROUTE 5 TO WB ONLY. PERMIT NOACCESS TO EAST FUHRMANN BLVD. FROM OUTER HARBOR DRIVE.
- REMOVE TEMPORARY DIVERSION RAMP 'NTD', REMOVE TEMPORARY CONCRETE BARRIER, AND RESTORE ROUTE 5 GUIDE RAIL. IMPLEMENT THE FOLLOWING TEMPORARY OPERATIONS IN ORDER TO ALLOW THIS WORK TO BE COMPLETED:
 - CLOSE NB RIGHT LANE ON ROUTE 5.
- RECONSTRUCT ROUTE 5 BETWEEN SOUTH END OF SKYWAY BRIDGE TO STA. 5+250+/- (NEAR NORTH END OF RAMPS 'XA' AND 'XB'). IMPLEMENT THE FOLLOWING TEMPORARY OPERATIONS IN ORDER TO ALLOW THIS WORK TO BE COMPLETED:
 - CLOSE ONE LANE IN EACH DIRECTION ON ROUTE 5 (RESTRICTED TO OFF-PEAK HOURS) AS APPROPRIATE.
- STAGE 3C:**
 - RECONSTRUCT TIFFT ST. BETWEEN TIFFT NATURE PRESERVE DRIVEWAY AND SOUTH FUHRMANN BLVD.
 - CONSTRUCT ROUNDABOUT AT TIFFT ST. IMPLEMENT THE FOLLOWING TEMPORARY OPERATIONS IN ORDER TO ALLOW THIS WORK TO BE COMPLETED:
 - MAINTAIN A MINIMUM 6.1 m PAVEMENT WIDTH FOR 2-LANE, 2-WAY TRAFFIC ON THE NORTHERLY HALF OF TIFFT STREET, WHILE CONSTRUCTION WORK IS DONE ON THE SOUTHERLY HALF. THEN SHIFT THE TRAFFIC TO THE SOUTH TO COMPLETE THE CONSTRUCTION ON THE NORTH SIDE. CONSTRUCT BIKEWAY ALONG TIFFT ST. BETWEEN TIFFT NATURE PRESERVE DRIVEWAY AND FUHRMANN BLVD.
 - REMOVE PORTION OF EXISTING RAMP 'J' AND COMPLETE RAMP 'TD' CONSTRUCTION.
 - ROUTE TRAFFIC AROUND PARTIAL RAMP CLOSURES.
 - REMOVE EXISTING SOUTH FUHRMANN BLVD. AND BIKEWAY BETWEEN INDEPENDENT CEMENT DRIVEWAY AND UNION SHIP CANAL.
 - CONSTRUCT SOUTH FUHRMANN BLVD. AND BIKEWAY BETWEEN TIFFT ST. AND UNION SHIP CANAL. IMPLEMENT THE FOLLOWING TEMPORARY OPERATIONS IN ORDER TO ALLOW THIS WORK TO BE COMPLETED:
 - CLOSE SOUTH FUHRMANN BLVD. AND MAINTAIN ACCESS TO DRIVEWAYS.
 - CONSTRUCT TIFFT NATURE PRESERVE DRIVEWAY TURNAROUND.
 - RESURFACE EXISTING FUHRMANN BLVD. NB BETWEEN TIFFT NATURE PRESERVE DRIVEWAY AND TIFFT NATURE PRESERVE TURNAROUND.
 - REMOVE EXISTING FUHRMANN BLVD. NB BETWEEN TIFFT NATURE PRESERVE TURNAROUND AND OHIO ST.
 - REMOVE EXISTING MULTI-USE PATH ALONG FUHRMANN BLVD. NB BETWEEN TIFFT ST. AND TIFFT NATURE PRESERVE DRIVEWAY, AS APPLICABLE.
 - REMOVE EXISTING RAMP 'R' AND UPSTREAM AUXILIARY LANE.
 - COMPLETE RAMP 'OD' CONSTRUCTION.
 - CONSTRUCT BUFFALO RIVER IMPROVEMENT CORP. DRIVEWAY TO OHIO ST. IMPLEMENT THE FOLLOWING TEMPORARY OPERATIONS IN ORDER TO ALLOW THIS WORK TO BE COMPLETED:
 - CLOSE FUHRMANN BLVD. NB AND MAINTAIN ACCESS TO TIFFT NATURE PRESERVE.
 - COMPLETE RAMP 'TA' CONSTRUCTION. IMPLEMENT THE FOLLOWING TEMPORARY OPERATIONS IN ORDER TO ALLOW THIS WORK TO BE COMPLETED:
 - CLOSE SB RIGHT LANE ON ROUTE 5.
 - CONSTRUCT MEDIAN AND PORTION OF FUHRMANN BLVD. IN VICINITY OF EXISTING RAMP 'P'. IMPLEMENT THE FOLLOWING TEMPORARY OPERATIONS IN ORDER TO ALLOW THIS WORK TO BE COMPLETED:
 - RESTRICT FUHRMANN BLVD. TRAFFIC TO ONE LANE IN EACH DIRECTION AND SHIFT TRAFFIC TO EAST SIDE OF FUHRMANN BLVD.
 - CONSTRUCT PORTION OF OHIO ST. / FUHRMANN BLVD INTERSECTION.
 - RECONSTRUCT OHIO ST. IMPLEMENT THE FOLLOWING TEMPORARY OPERATIONS IN ORDER TO ALLOW THIS WORK TO BE COMPLETED:
 - SUBPHASE 1 - RESTRICT OHIO ST. TO ONE LANE IN EACH DIRECTION AND SHIFT TRAFFIC TO WEST SIDE OF OHIO ST. RESTRICT FUHRMANN BLVD. TO ONE LANE IN EACH DIRECTION AND SHIFT TRAFFIC TO EAST SIDE OF FUHRMANN BLVD.
 - SUBPHASE 2 - MAINTAIN ONE LANE IN EACH DIRECTION ON OHIO ST. AND SHIFT TRAFFIC TO EAST SIDE OF OHIO ST. RESTRICT FUHRMANN BLVD. TO ONE LANE IN EACH DIRECTION AND SHIFT TRAFFIC TO WEST SIDE OF FUHRMANN BLVD.

FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.	D260558	41	940
P.I.N. 5044.01		B.I.N.		
CITY OF BUFFALO		ERIE COUNTY		
FUHRMANN BLVD - HAMBURG TPK VIADUCT PT. 6 FATHER BAKER BR., FAC 58-14				
FUHRMANN BOULEVARD, PART 2, FAC 62-20				
FUHRMANN BLVD - HIGH LEVEL BR., BUFFALO SKYWAY MARGINAL RD, FAC 54-9				
NY ROUTE 5 (UNION SHIP CANAL TO SKYWAY) AND				
FUHRMANN BOULEVARD (UNION SHIP CANAL TO COAST GUARD STATION)				

DESIGN SUPERVISOR: A. OSHODI
 JOB MANAGER: J. HUBERT
 DESIGNED BY: R. CANESTRA
 CHECKED BY: A. OSHODI
 ESTIMATED BY: R. CANESTRA
 DRAFTED BY: J. DIAZ
 CHECKED BY: R. SENG

PLOTTED BY: McClainA
 FILE: g:\vaycon\cad\region_5044\0\project\highway_design\gen\5044\0\spn_notes_00.dgn
 DATE: 9/12/07 4:40:41 PM

ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED

AS BUILT REVISIONS

No

3-1-12

SIGNATURE DATE

MAINTENANCE AND PROTECTION OF TRAFFIC GENERAL NOTES

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
REGION 5

PB AMERICAS, INC.

DATE: 09/07/07
DRAWING NO.: MPT-2