



Wisconsin Department of Transportation

May 4, 2015

Division of Transportation Systems Development

Bureau of Project Development
4802 Sheboygan Avenue, Rm 601
P O Box 7916
Madison, WI 53707-7916

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NOTICE TO ALL CONTRACTORS:

Proposal #20: 1060-35-93
Zoo IC 2015 TMP Projects
Various Locations
Various Highways
Milwaukee & Waukesha County

Letting of May 12, 2015

This is Addendum No. 1, which provides for the following:

Special Provisions

Revised Special Provisions	
Article No.	Description
3	Language is being added to "Prosecution and Progress" to provide clarity about coordinating ramp work with adjacent project ramp closures
4	Language is being added to "Prosecution and Progress" to provide clarity about coordinating ramp work with adjacent project ramp closures
7	"Other Contracts" article is being replaced with a new article that details coordination with several adjacent projects and provides contact information.

Schedule of Items

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
204.0100	Removing Pavement	SY	320	341	341
205.0100	Excavation Common	CY	886	884	884
205.0501.S	Excavation, Hauling, And Disposal Of Petroleum Contaminated Soils	TON	204	205	205
320.0145	Concrete Base 8-Inch	SY	1475	1483	1483
416.0610	Drilled Tie Bars	EA	867	874	874
455.0605	Tack Coat	GAL	32	33	33
460.1110	HMA Pavement Type E-10	TON	261	266	266
608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	19	74	74
611.0430	Reconstructing Inlets	EA	4	2	2
611.0540	Manhole Covers Type K	EA	4	2	2
611.0600	Inlet Covers Type A	EA	2	3	3

624.0100	Water	MGAL	141	18	18
628.1504	Silt Fence	LF	813	1050	1050
628.1520	Silt Fence Maintenance	LF	813	1050	1050
628.2002	Erosion Mat Class 1 Type A	SY	107	405	405
628.2006	Erosion Mat Urban Class 1 Type A	SY	297	470	470
628.2008	Erosion Mat Urban Class 1 Type B	SY	558	800	800
628.7005	Inlet Protection Type A	EA	5	8	8
628.7015	Inlet Protection Type C	EA	28	35	35
630.0130	Seeding Mixture No. 30	LB	22	24	24
630.0200	Seeding Temporary	LB	22	24	24
631.0300	Sod Water	MGAL	56	21	21
690.0250	Sawing Concrete	LF	2261	2331	2331
SPV.0180.001	Topsoil Special	SY	931	1972	1972

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
204.0220	Removing Inlets	EA	0	3	3
204.0245	Removing Storm Sewer (12-Inch)	LF	0	50	50
520.8000	Concrete Collars For Pipe	EA	0	1	1
606.0100	Riprap Light	CY	0	7	7
608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	0	5	5
611.0642	Inlet Covers Type Ms	EA	0	1	1
611.3225	Inlets 2x2.5 -Ft	EA	0	1	1
611.3901	Inlets Median 1 Grate	EA	0	1	1
645.0130	Geotextile Fabric Type R	SY	0	9	9

Deleted Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
611.8115	Adjusting Inlet Covers	EA	2	0	0

Plan Sheets

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
21	Revising slope and lane width labels and adding notes for clarity.
36	Adjusting location of roadway saw cuts and revising labels for clarity.
37	Adjusting location of roadway saw cuts, revising and adding labels for clarity.
38	Revising and adding labels for clarity.
40	Revising and adding labels for clarity.
61	Adding inlet protection, riprap light, and geotextile fabric to certain locations
63	Adding inlets, storm sewer pipe, and concrete collars. Also revising and adding multiple labels for clarity.
249-252 & 255	Various changes to the miscellaneous quantities.
456-458	Revised Earthwork Sheets
477-488	Revising the slopes and labels for the east side of the ramp.

Added Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of why sheet was added)
318A	SDD 8A5 Sheet B: Inlet Covers Type B, B-A, C, MS, MS-A, & WM
320A	SDD 8C8: Inlets Median ! & 2 Grate

Other

Revise the Contract Completion Time from a Completion Date of October 2, 2015 to November 30, 2015.

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

ADDENDUM NO. 1
PROJECT ID 1060-35-93
May 4, 2015

Special Provisions

3. Prosecution and Progress

Staging

IH-894 Northbound Entrance Ramp

Add the following to the Stage 2 subsection:

Construction of the Oklahoma Avenue northbound entrance ramp, or a portion thereof, shall occur during the 3-week ramp closure (in November, 2015) associated with adjacent contract ID 1060-34-82 per the direction of the engineer. Slope restoration should occur in fall of 2015.

IH-894 Northbound Exit Ramp

Add the following to the Stage 2 subsection:

Construction of the National Avenue northbound exit ramp, or a portion thereof, shall occur during the 3-week ramp closure (in November, 2015) associated with adjacent contract ID 1060-34-82 per the direction of the engineer. Slope restoration should occur in fall of 2015.

Interim and Final Completion of Work

Replace with the following:

Complete construction operations on all of the work necessary to reopen all lanes of traffic at the Greenfield Avenue intersections and have all Greenfield Avenue signal equipment completely functional prior to 12:01 AM October 2, 2015.

If the contractor fails to complete the work necessary to reopen all lanes of traffic at the Greenfield Avenue intersections and have all Greenfield Avenue signal equipment completely functional prior to 12:01 AM October 2, 2015, the department will assess the contractor \$1810 in interim liquidated damages for each calendar day that the roadway remains closed after 12:01 AM, October 2, 2015. An entire calendar day will be charged for any period of time within a calendar day that the road remains closed beyond 12:01 AM.

The department will not grant time extensions to the interim completion dates specified above for the following:

1. Severe weather as specified in standard spec 108.10.2.2.
2. Labor disputes that are not industry wide.
3. Delays in material deliveries.

If contract time expires prior to completing all work specified in the contract, additional liquidated damages will be affixed according to standard spec 108.11.

4. Traffic

IH-894 Northbound Entrance Ramp from W. Oklahoma Avenue

Insert the following after the third paragraph under the Stage 2 subsection:

Construction of the Oklahoma Avenue northbound entrance ramp, or a portion thereof, shall occur during the 3-week ramp closure (in November, 2015) associated with adjacent contract ID 1060-34-82 per the direction of the engineer.

IH-894 Northbound Exit Ramp to W. National Avenue

Insert the following after the first paragraph under the Stage 2 subsection:

Construction of the National Avenue northbound exit ramp, or a portion thereof, shall occur during the 3-week ramp closure (in November, 2015) associated with adjacent contract ID 1060-34-82 per the direction of the engineer.

7. Other Contracts

Replace entire article language with the following:

Coordinate your work in accordance to subsection 105.5 of the standard specifications.

Modifications to the traffic control plan may be required by the engineer to be safe and consistent with adjacent work by others.

Modifications to the traffic control plan will be required by the engineer to coordinate the ramp work on the Oklahoma northbound entrance ramp and the National Avenue northbound exit ramp to occur simultaneously with the ramp closures in Contract ID 1060-34-82.

It is expected that routine maintenance by the city and county personnel may be required at certain times concurrently with the work being done under this contract.

The following contracts are anticipated to be under construction within the time period of this contract, unless otherwise indicated:

Contract ID 1060-34-82, Zoo IC – IH 894 Auxiliary Lanes, from Oklahoma Avenue to National Avenue. The WisDOT contact is Chris Hager at (262) 521-4433; christopher.hager@dot.wi.gov.

Contract ID 1060-33-80, Zoo Interchange Phase 1 reconstruction. The WisDOT contact is Jeff Bohlen at (414) 750-2928; jeff.bohen@dot.wi.gov.

Contract ID 1060-33-83, Zoo IC Pedestrian Bridge over US45 reconstruction. The WisDOT contact is Chris Zacharias at (262) 548-6716; christopher.zacharias@dot.wi.gov.

Contract ID 1060-33-96, Zoo IC – Advanced Signing Projects; various locations. The WisDOT contact is Christopher Hager at (414) 750-1487; christopher.hager@dot.wi.gov.

Contract ID 1060-33-97, Zoo IC - Integrated Corridors 2 at various intersections in Milwaukee and Waukesha Counties. The WisDOT contact is Christopher Hager at (414) 750-1487; christopher.hager@dot.wi.gov.

Schedule of Items

Attached, dated May 4, 2015, are the revised Schedule of Items Pages 1 – 27.

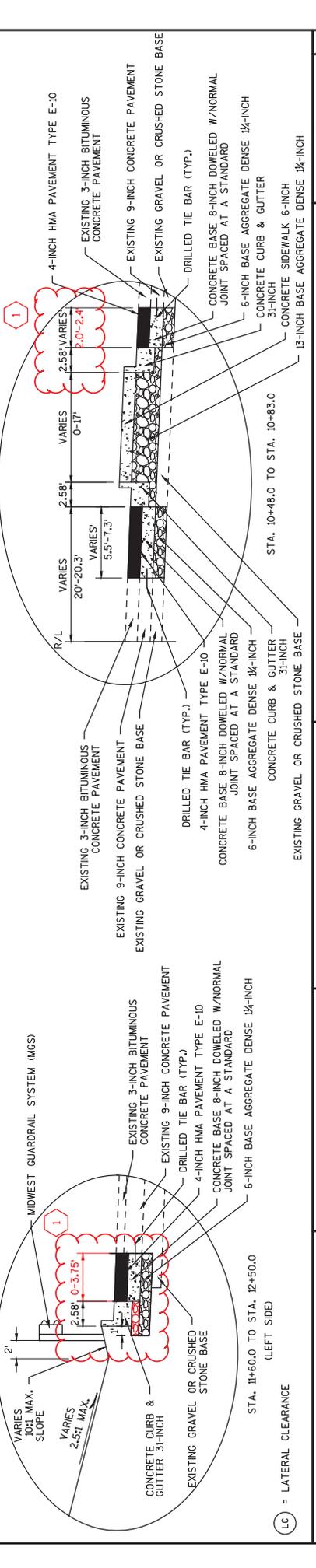
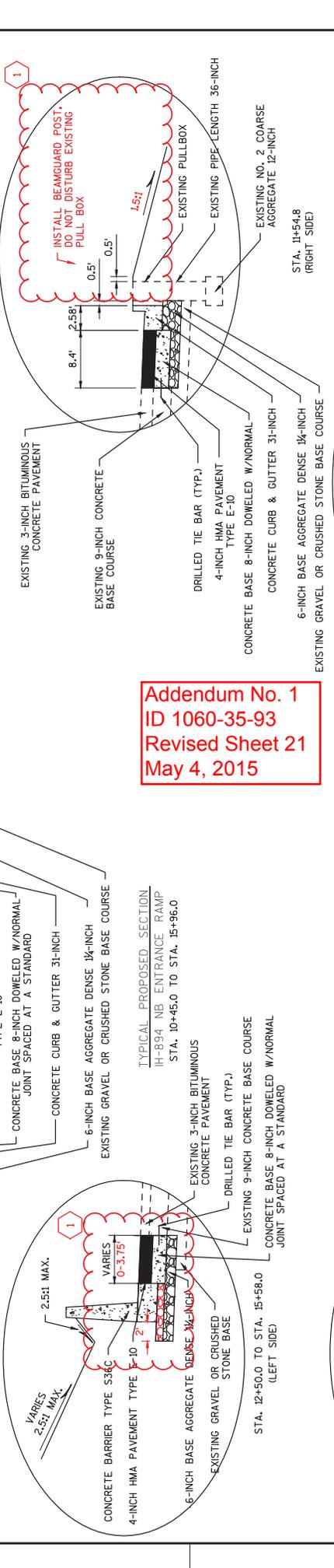
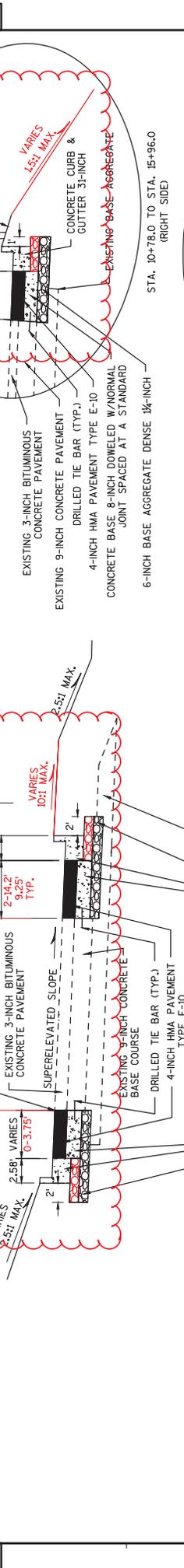
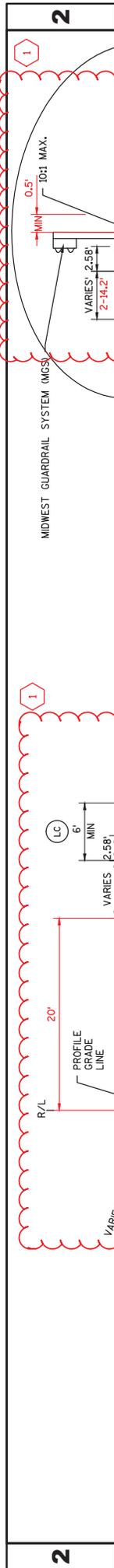
Plan Sheets

The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:

Revised: 21, 36, 37, 38, 40, 61, 63, 249 - 252, 255, and 477 – 488.

Added: 318A and 320A

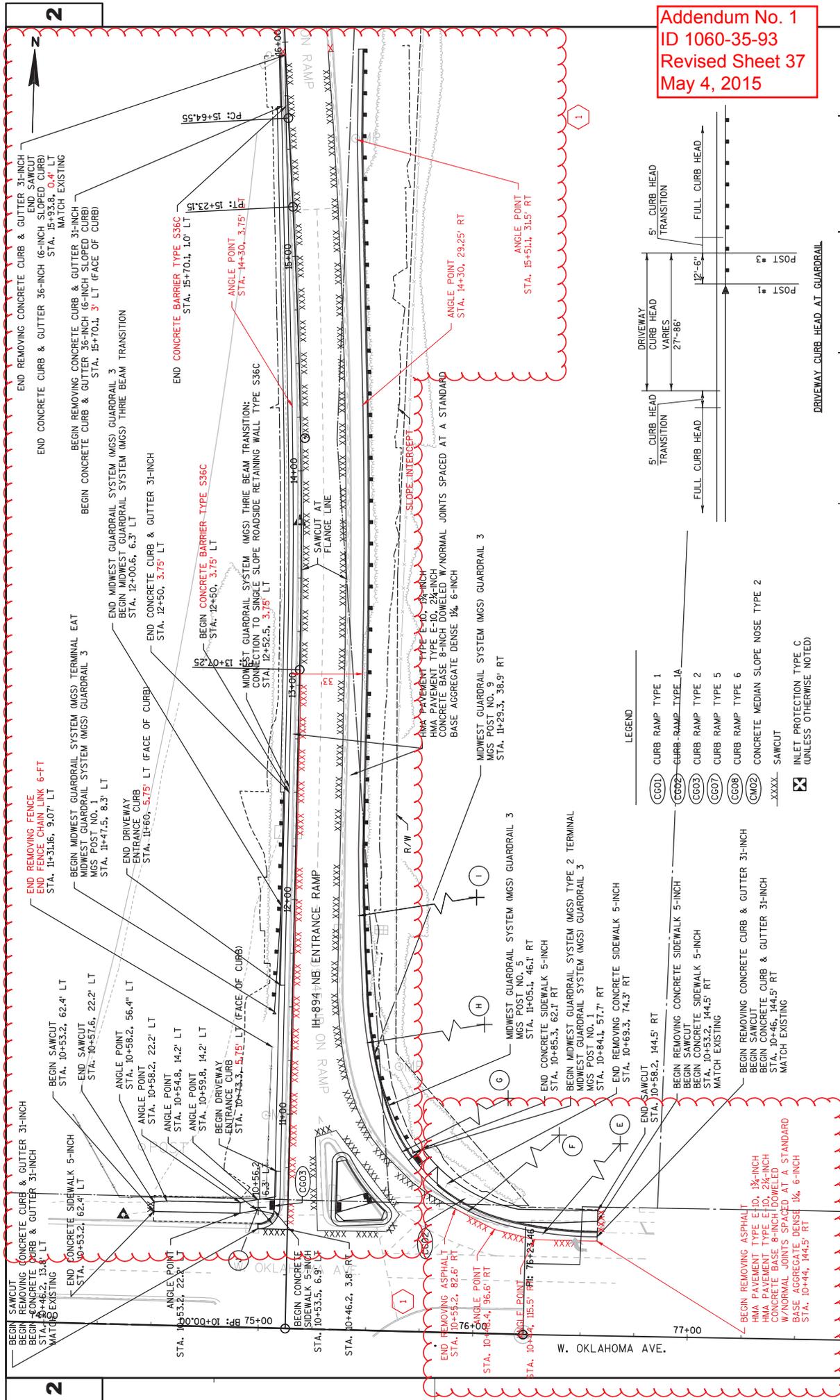
END OF ADDENDUM

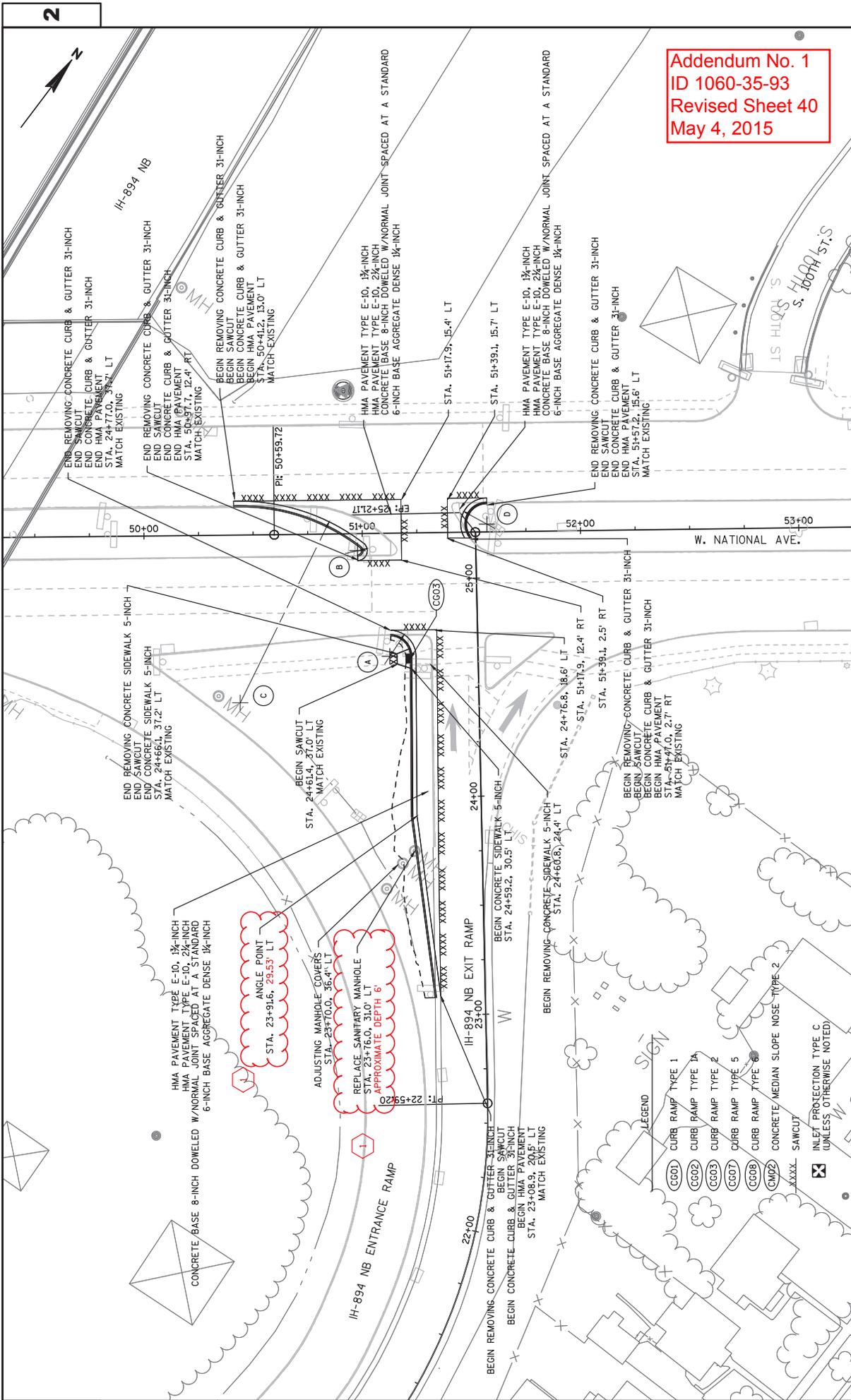


Addendum No. 1
ID 1060-35-93
Revised Sheet 21
May 4, 2015

PROJECT NO: 1060-35-93	HWY: IH-894	COUNTY: MILWAUKEE / WAUKESHA	TYPICAL SECTION - IH-894 NB ENTRANCE RAMP	SHEET 21
FILE NAME : W:\NPS\CAD\10603307\93\KOKLAHMA\ADDENDUM\REV SHEETS\020301.TS.DWG LAYOUT NAME : - - - - - PLOT DATE : 4.27.2015 4:10 PM PLOT BY : HAYNES, RONNIE PLOT NAME : PLOT SCALE : 1:1 IN=10 FT				

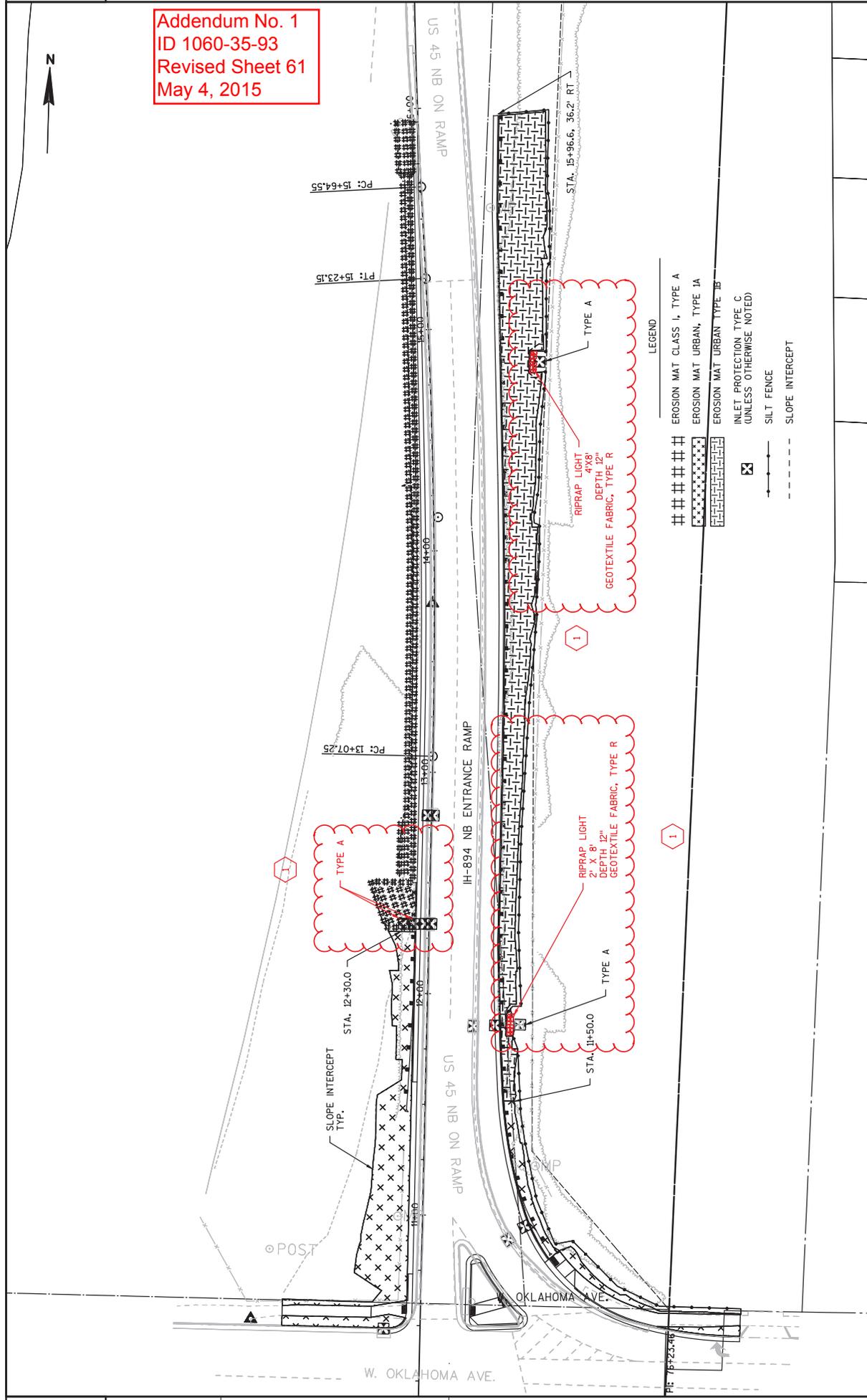
Addendum No. 1
 ID 1060-35-93
 Revised Sheet 37
 May 4, 2015





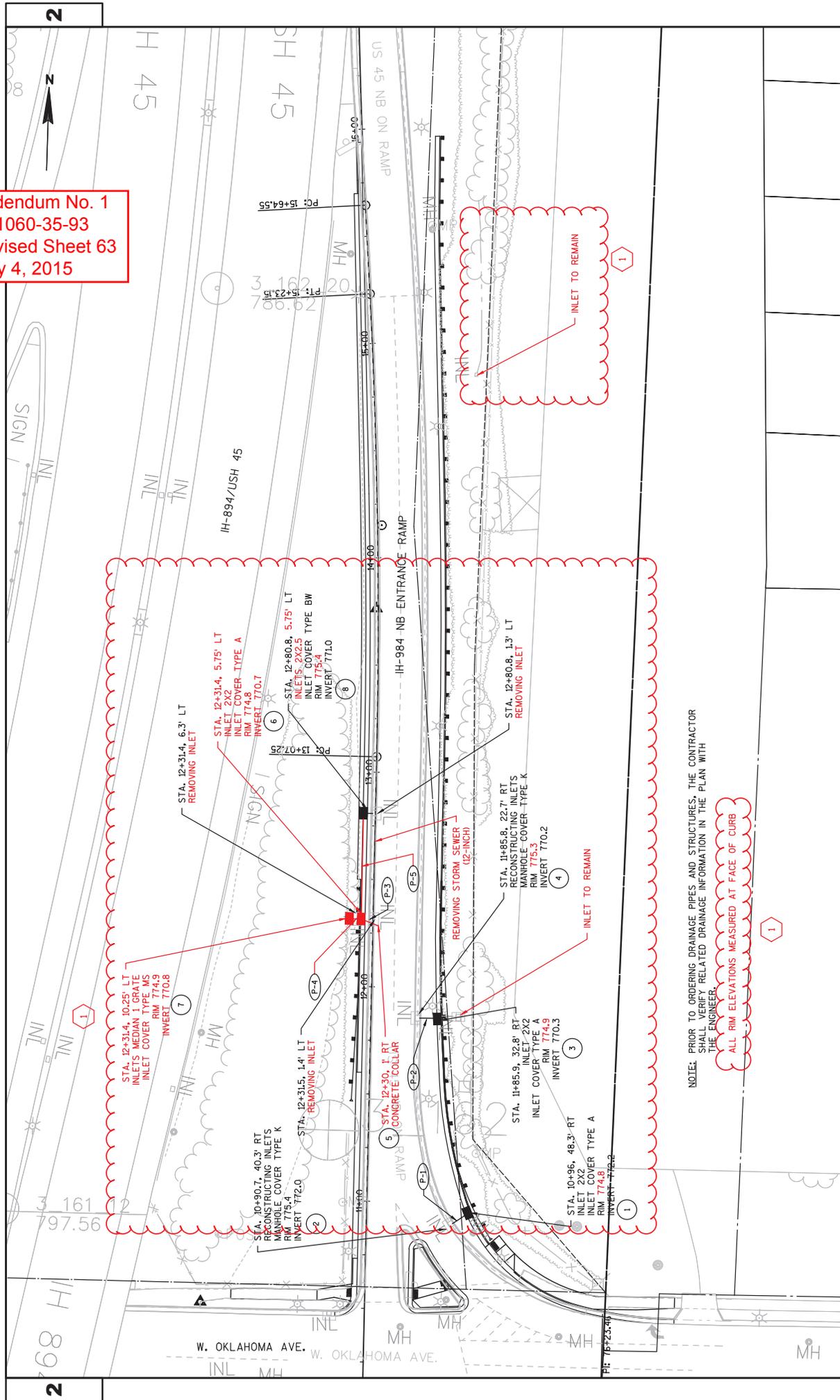
Addendum No. 1
 ID 1060-35-93
 Revised Sheet 40
 May 4, 2015

Addendum No. 1
 ID 1060-35-93
 Revised Sheet 61
 May 4, 2015



PROJECT NO: 1060-35-93	COUNTY: MILWAUKEE / WAUKESHA	EROSION CONTROL - W. OKLAHOMA AVE. NB ENTRANCE RAMP	SHEET 61
HWY: IH-94	FILE NAME : W:\NPS\CAD\10603307-93\OKLAHOMA\ADDENDUM\REV SHEETS\022001_EC.DWG	PLOT BY : HAYNES, RONNIE	WSDOT/CADD SHEET 42
	DATE : 4/29/2015 8:11 AM	PLOT NAME :	PLOT SCALE : 1:40.XREF

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 ID 1060-35-93
 Revised Sheet 63
 May 4, 2015



NOTE: PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR SHALL VERIFY RELATED DRAINAGE INFORMATION IN THE PLAN WITH THE ENGINEER.
 ALL RIM ELEVATIONS MEASURED AT FACE OF CURB

PROJECT NO: 1060-35-93	HWY: IH-894	COUNTY: MILWAUKEE / WAUKESHA	STORM SEWER - W. OKLAHOMA AVE. NB ENTRANCE RAMP	SHEET 63	E
FILE NAME : W:\N\POS\CAD\10603307\93\OKLAHOMA\ADDD\UNDRNDR SHEETS\02501_SS.DWG					
LAYOUT NAME - 02501_SS					
PLOT DATE : 4/29/2015 8:28 AM					
PLOT BY : HAYNES, RONNIE					
PLOT NAME : WSDOT/CADDs SHEET 42					

REMOVALS

LOCATION	STATION	TO STATION	SY	SY	201.0210 GRUBBING	204.0100 PAVEMENT REMOVING	204.0150 REMOVING CURB & GUTTER	204.0155 REMOVING CONCRETE SIDEWALK	204.0170 REMOVING FENCE	204.0220 REMOVING INLETS	204.0245 REMOVING STORM SEWER (12-INCH)	690.0150 SAWING ASPHALT	690.0250 SAWING CONCRETE
							LF	SY	LF	EA	LF	LF	LF
W. OKLAHOMA AVE NB ENTRANCE RAMP	10+46	15+95	2,498	2,498	111	1,287	135	182	3	50	--	--	1,207
W. NATIONAL AVE NB EXIT RAMP	22+77.5	24+77	--	--	2	184	10	--	--	--	--	--	199
W. NATIONAL AVE	50+41.2	51+57.2	--	--	42	135	--	--	--	--	--	--	180
W. GREENFIELD AVE & S. CALHOUN RD.	141+75	143+96	--	--	--	--	170	--	--	--	--	--	201
W. GREENFIELD AVE & S. MOORLAND RD.	194+86	196+91	--	--	94	--	386	--	--	--	--	--	464
W. GREENFIELD AVE & S. SUNNY SLOPE RD.	248+17	250+31	--	--	92	--	326	--	--	--	--	362	48
W. GREENFIELD AVE & S. ELM GROVE RD.	274+98	276+66	--	--	--	--	103	--	--	--	--	--	32
TOTALS:			2,498	2,498	341	1,606	1,130	182	3	50	362	2,331	

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EXCAVATION COMMON

CATEGORY	LOCATION	STATION	TO STATION	EXCAVATION COMMON
				CY
1000	W. OKLAHOMA AVE. NB ENTRANCE RAMP	10+46	15+95	769
	W. NATIONAL & IH-894 OFF RAMP	22+77.5	24+77	115
	W. NATIONAL AVE.	50+41.2	51+57.2	0
TOTALS:				884

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* SEE EARTHWORK SUMMARY FOR DETAILS

EXCAVATION OF CONTAMINATED SOILS

CATEGORY	LOCATION	STATION	TO STATION	205.0501. S EXCAVATION, HAULING AND DISPOSAL OF PETROLEUM/CONTAMINATED SOIL
				TON
1000	NW CORNER OF STH 59 & S. CALHOUN RD.	141+70	142+10	40
	SW CORNER OF STH 59 & S. CALHOUN RD.	142+25	24+77	40
	NW CORNER OF STH 59 & CTH O	141+85	142+25	40
	SW CORNER OF STH 59 & S. SUNNYSLOPE RD.	195+00	195+40	85
TOTALS:				205

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ASPHALT PAVEMENT ITEMS

CATEGORY	LOCATION	STATION	TO STATION	MATERIAL	TON	465.0140 ASPHALTIC MATERIAL PG64-28P	455.0605 TACK COAT	460.1110 HMA PAVEMENT TYPE-E-10	465.0125 ASPHALTIC SURFACE TEMPORARY
1000	W. OKLAHOMA AVE NB ENTRANCE RAMP	10+46	15+95		12		25	211	13
	W. NATIONAL & IH-894 EXIT RAMP	22+77.5	24+77		2		4	32	--
	W. NATIONAL AVE	50+41.2	51+57.2		2		4	23	--
TOTALS:					16		33	286	13

1

CONCRETE ITEMS

CATEGORY	LOCATION	STATION	TO STATION	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH	TON	320.0145 CONCRETE BASE 8-INCH	SY	416.0610 DRILLED TIE BARS	EA	602.0405 CONCRETE SIDEWALK 4-INCH	SF	602.0410 CONCRETE SIDEWALK 5-INCH	SF	602.0415 CONCRETE SIDEWALK 6-INCH	SF	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW	SF	SPV.0165.0001 CONCRETE SIDEWALK 5-INCH (HIGH EARLY STRENGTH)	SF
1000	W. OKLAHOMA AVE NB ENTRANCE RAMP	10+46	15+95		531		1234	561				1210				32			
	W. NATIONAL & IH-894 EXIT RAMP	22+77.5	24+77		77		140	65				47				8			
	W. NATIONAL AVE	50+41.2	51+57.2		52		109	60								--			
	W. GREENFIELD AVE & S. CALHOUN RD.	141+75	143+96		46		--	58		568		866		96		128			
	W. GREENFIELD AVE & S. MOORLAND RD.	194+86	196+91		202		--	130		1,102		2,248		--		128			
	W. GREENFIELD AVE & S. SUNNYSLOPE RD.	248+17	250+31		197		--	--		470		2,380		--		128			
	W. GREENFIELD AVE & S. ELM GROVE RD.	274+98	276+66		18		--	--		--		445		--		32			267
TOTALS:					1,123		1,483	874		2,140		7,196		96		456			267

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STORM SEWER ITEMS

CATEGORY	LOCATION	STATION	RM ELEV.	INVERT ELEV.	DEPTH	CONCRETE COLLARS FOR PIPE	RECONSTRUCTING		MANHOLE TYPE	COVERS TYPE	INLET TYPE	COVERS TYPE	INLET TYPE	COVERS TYPE	INLET TYPE	COVERS TYPE	INLET TYPE	COVERS TYPE
							INLETS	EA										
1000	W. OKLAHOMA AVE NB ENTRANCE RAMP	10+90.7, 40.3' RT	775.40	772.0	--	--	1	1	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
	W. OKLAHOMA AVE NB ENTRANCE RAMP	10+96.48, 3' RT	774.85	772.2	2.23	--	--	1	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
	W. OKLAHOMA AVE NB ENTRANCE RAMP	11+85.8, 22.7' RT	775.20	770.2	--	--	1	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
	W. OKLAHOMA AVE NB ENTRANCE RAMP	11+85.9, 32.8' RT	774.94	770.3	4.22	--	1	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
	W. OKLAHOMA AVE NB ENTRANCE RAMP	12+300, 1.0' RT	--	--	--	1	--	--	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
	W. OKLAHOMA AVE NB ENTRANCE RAMP	12+314, 11.3' LT	774.90	770.8	4.10	--	--	1	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
	W. OKLAHOMA AVE NB ENTRANCE RAMP	12+314, 5.8' LT	774.82	770.7	3.75	--	1	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
	W. OKLAHOMA AVE NB ENTRANCE RAMP	12+80.8, 5.8' LT	775.44	771.0	3.69	--	1	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
	W. NATIONAL AVE NB EXIT RAMP	23+70, 36.4' LT	--	--	--	1	2	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
TOTALS:							1	2	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA

NOTE: ALL LOCATIONS ARE TO FACE OF CURB UNLESS NOTED OTHERWISE
 (1) RM ELEVATION IS AT FLOW LINE FOR CURB INLETS

STORM SEWER PIPES

CATEGORY	LOCATION	PIPE	FROM	TO	INLET ELEV.	DISCH. ELEV.	STORM SEWER PIPE		INLET TYPE	COVERS TYPE	INLET TYPE	COVERS TYPE
							CLASS	LF				
1000	W. OKLAHOMA AVE NB ENTRANCE RAMP	P-1	1	2	772.2	772.0	8	608.0312	EA	EA	EA	EA
	W. OKLAHOMA AVE NB ENTRANCE RAMP	P-2	3	4	770.3	770.2	10	608.0312	EA	EA	EA	EA
	W. OKLAHOMA AVE NB ENTRANCE RAMP	P-3	6	5	770.7	770.6	--	608.0315	EA	EA	EA	EA
	W. OKLAHOMA AVE NB ENTRANCE RAMP	P-4	7	6	770.8	770.7	6	608.0315	EA	EA	EA	EA
	W. OKLAHOMA AVE NB ENTRANCE RAMP	P-5	8	6	771.0	770.7	50	608.0315	EA	EA	EA	EA
TOTAL:							74					

SEWER SYSTEM

CATEGORY	LOCATION	STATION	SPV.0060.0003 ADJUSTING SANITARY MANHOLE	SPV.0060.0004 REPLACE SANITARY MANHOLE
1000	W. NATIONAL AVE NB EXIT RAMP	23+76, 31' LT	--	1
	W. GREENFIELD AVE & S. SUNNYSLOPE RD.	248+64, 40.4' RT	1	--
TOTAL:			1	1

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 Revised Sheet 252
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RESTORATION ITEMS

CATEGORY	LOCATION	STATION	TO STATION	WATER MGAL	(1) 624.0100	FERTILIZER TYPE B CWT	629.0210	SEEDING MIXTURE NO. 30 LB	630.0130	SEEDING TEMPORARY LB	630.0200	SOD WATER MGAL	631.0300	SOD LAWN SY	631.1000	SPV.0180.0001 TOPSOIL SPECIAL SY
1000	W. OKLAHOMA AVE NB ENTRANCE RAMP	10+46	15+95	2.1		0.33		19				--		--		1041
	W. NATIONAL & IH-894 EXIT RAMP	22+77.5	24+77	0.31		0.03		--				2.41		108		108
	W. NATIONAL AVE	50+41.2	51+57.2	0.06		0.01		--				0.42		19		19
	W. GREENFIELD AVE & S. CALHOUN RD.	141+75	143+96	0.06		0.02		--				0.96		43		43
	W. GREENFIELD AVE & S. MOORLAND RD.	194+86	196+91	0.21		0.08		--				5.39		241		241
	W. GREENFIELD AVE & S. SUNNY SLOPE RD.	248+17	250+31	0.20		0.07		--				5.09		224		224
	W. GREENFIELD AVE & S. ELM GROVE RD.	274+98	276+66	0.02		0.09		--				6.64		296		296
	UNDISTRIBUTED			--		--		5				--		--		--
TOTALS:																
				3		1		24		24		21		931		1,972

(1) FOR COMPACTION OF BASE, AGGREGATE AND EXCAVATION
ADDITIONAL QUANTITIES SHOWN ELSEWHERE

Addendum No. 1
ID 1060-35-93
Revised Sheet 255
May 4, 2015

Addendum No. 1
 ID 1060-35-93
 Revised Sheet 456
 May 4, 2015

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DIVISION 1
 STAGE 1

STATION	Real Station	Distance	AREA (SF)		Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)			Expanded EBS		Mass Ordinate
			Cut	Salvaged/Unusable Pavement Material	Cut	Salvaged/Unusable Pavement Material	EBS Fill	Note 1	Note 2	Note 3	Note 1	Note 4		Note 5
10+55	1055.00	0.00	14.29	1.60	0.39	0	0	0	0	0	0	0	0.00
10+80	1080.00	25.00	35.13	1.60	0.00	23	1	0	0	0	0	0	21.18
11+05	1105.00	25.00	23.20	1.60	0.00	27	1	0	0	0	0	0	46.71
11+30	1130.00	25.00	20.75	1.60	0.00	20	1	0	0	0	0	0	65.57
11+55	1155.00	25.00	17.77	1.60	0.01	18	1	0	0	0	0	0	81.92
11+80	1180.00	25.00	14.93	1.60	0.00	15	1	0	0	0	0	0	95.58
12+05	1205.00	25.00	14.61	1.60	0.07	14	1	0	0	0	0	0	107.74
12+30	1230.00	25.00	16.22	1.60	0.12	14	1	0	0	0	0	0	120.43
12+55	1255.00	25.00	19.68	1.60	0.00	17	1	0	0	0	0	0	135.50
12+80	1280.00	25.00	20.80	1.60	0.00	19	1	0	0	0	0	0	152.76
13+05	1305.00	25.00	20.59	1.60	0.00	19	1	0	0	0	0	0	170.45
13+30	1330.00	25.00	20.88	1.60	0.00	19	1	0	0	0	0	0	188.17
13+55	1355.00	25.00	20.32	1.60	0.00	19	1	0	0	0	0	0	205.76
13+80	1380.00	25.00	20.30	1.60	0.00	19	1	0	0	0	0	0	223.08
14+05	1405.00	25.00	21.12	1.60	0.00	19	1	0	0	0	0	0	240.77
14+30	1430.00	25.00	20.98	1.60	0.00	19	1	0	0	0	0	0	258.78
14+55	1455.00	25.00	20.55	1.60	0.00	19	1	0	0	0	0	0	276.53
14+80	1480.00	25.00	20.47	1.60	0.00	19	1	0	0	0	0	0	294.03
15+05	1505.00	25.00	19.86	1.60	0.00	19	1	0	0	0	0	0	311.22
15+30	1530.00	25.00	18.42	1.60	0.00	18	1	0	0	0	0	0	327.46
15+55	1555.00	25.00	16.38	1.60	0.00	16	1	0	0	0	0	0	342.09
15+80	1580.00	25.00	13.88	1.60	0.00	14	1	0	0	0	0	0	354.61
15+90	1590.00	10.00	12.78	1.60	0.00	5	1	0	0	0	0	0	358.96
						391	32	0	0				

STAGE 1 COLUMN TOTALS

Notes:

- 1 - Cut
- 2 - Salvaged/Unusable Pavement Material
- 3 - Fill
- 4 - Expanded EBS
- 5 - Reduced EBS in Fill
- 6 - Mass Ordinate

Cut includes Salvaged/Unusable Pavement Material
 This does not show up in cross sections

Will be backfilled with Borrow

9

9

PROJECT NO: 1060-35-93

HWY: IH-894

COUNTY: MILWAUKEE/AUJUKESHA

EARTHWORK: W. OKLAHOMA NB ENTRANCE RAMP - STAGE 1

SHEET: 456

FILE NAME: W:\PDS\CSD\106030793\Des\gr\Quantities\Workbooks\EW\Detail\Oklahoma894\Stage1-NEW.pptx

PLOT DATE: 4/21/15 8:27 PM

PLOT BY: MCGILLICUDDY, BENJAMIN

PLOT NAME: _____

Addendum No. 1
 ID 1060-35-93
 Revised Sheet 457
 May 4, 2015

1

DIVISION 1
 STAGE 2

STATION	Real Station	Distance	AREA (SF)		Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill 1:20		Expanded Backfill 1:30	Reduced EBS In Fill
			Note 1	Note 2	Note 3	Note 1	Note 2	Note 3	Note 1	Note 4	Note 5	Note 6
10+55	1055.00	0.00	46.41	1.60	0.00	0	0	0	0	0	0.00	0.00
10+80	1080.00	25.00	41.28	1.60	0.00	41	1	0	41	0	0.00	39.12
11+05	1105.00	25.00	33.05	1.60	0.00	34	1	0	75	0	0.00	72.05
11+30	1130.00	25.00	28.21	1.60	1.71	28	1	1	103	0	0.00	97.98
11+55	1155.00	25.00	22.79	1.60	1.87	24	1	2	127	3	0.00	118.13
11+80	1180.00	25.00	17.28	1.60	4.21	19	1	3	146	6	0.00	131.81
12+05	1205.00	25.00	18.62	1.60	6.02	17	1	5	162	12	0.00	141.27
12+30	1230.00	25.00	19.55	1.60	3.90	18	1	5	180	18	0.00	151.95
12+55	1255.00	25.00	18.63	1.60	4.47	18	1	4	198	22	0.00	163.49
12+80	1280.00	25.00	18.24	1.60	5.18	17	1	4	215	28	0.00	173.72
13+05	1305.00	25.00	16.95	1.60	6.65	16	1	5	231	34	0.00	181.96
13+30	1330.00	25.00	16.26	1.60	6.78	15	1	6	246	42	0.00	188.39
13+55	1355.00	25.00	14.48	1.60	10.55	14	1	8	260	51	0.00	191.51
13+80	1380.00	25.00	14.09	1.60	15.60	13	1	12	274	66	0.00	188.72
14+05	1405.00	25.00	13.00	1.60	19.60	13	1	16	286	85	0.00	180.22
14+30	1430.00	25.00	11.70	1.60	22.56	11	1	20	298	109	0.00	166.76
14+55	1455.00	25.00	12.81	1.60	26.38	11	1	23	309	136	0.00	149.44
14+80	1480.00	25.00	10.24	1.60	27.94	11	1	25	320	166	0.00	128.45
15+05	1505.00	25.00	11.87	1.60	50.17	10	1	36	330	209	0.00	93.81
15+30	1530.00	25.00	14.83	1.60	41.89	12	1	43	342	261	0.00	53.55
15+55	1555.00	25.00	17.01	1.60	47.00	15	1	41	357	310	0.00	17.43
15+80	1580.00	25.00	15.44	1.60	51.44	15	1	46	372	365	0.00	-23.72
15+90	1590.00	10.00	15.24	1.60	47.84	6	1	18	378	387	0.00	-40.69
STAGE 2 COLUMN TOTALS			378	32	322	0	0	0	0	0	0.00	0.00

Notes:

1 - Cut
 2 - Salvaged/Unusable Pavement Material
 3 - Fill
 4 - Expanded EBS
 5 - Reduced EBS in Fill
 6 - Mass Ordinate

Cut includes Salvaged/Unusable Pavement Material
 This does not show up in cross sections
 Will be backfilled with Borrow

9

9

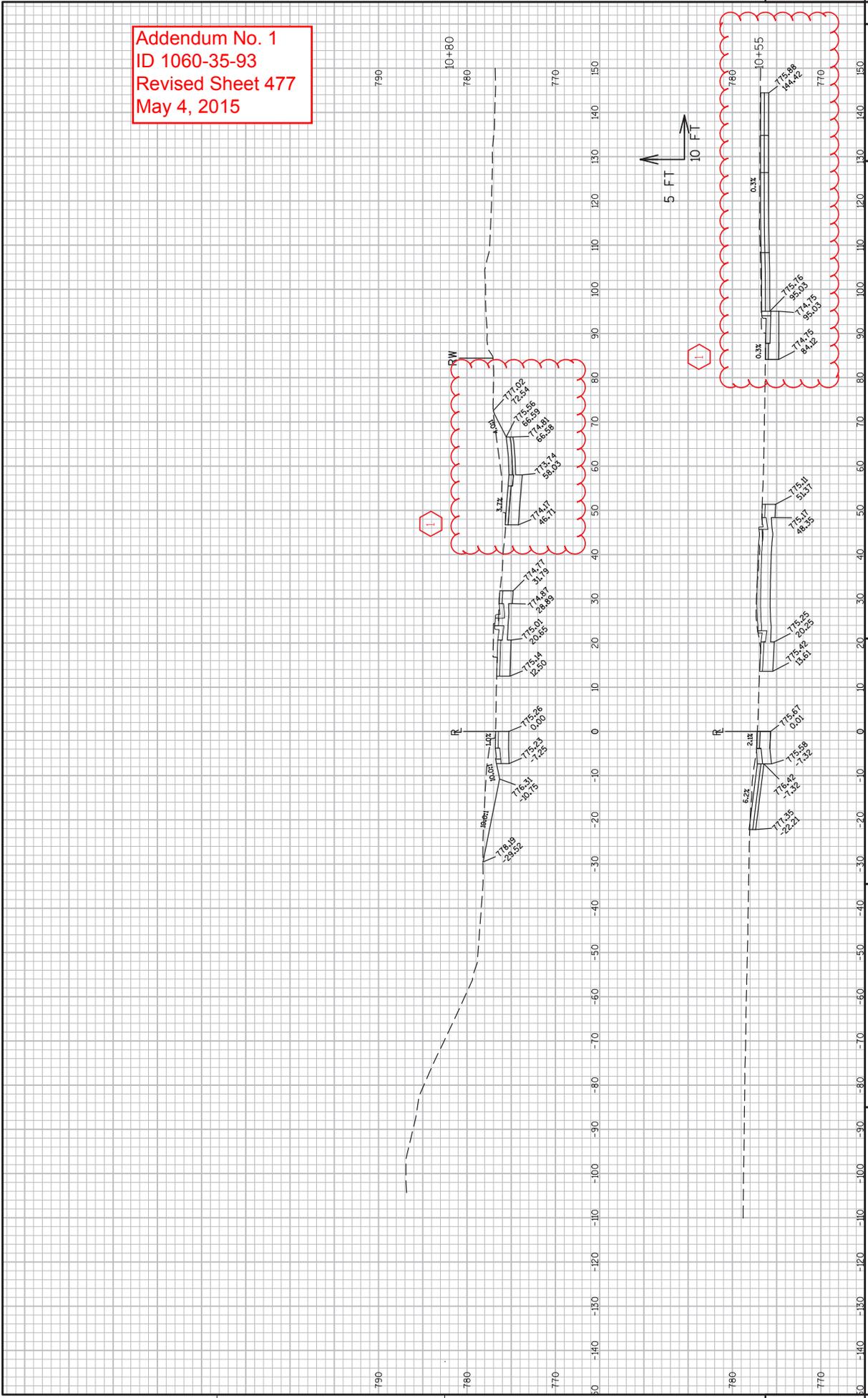
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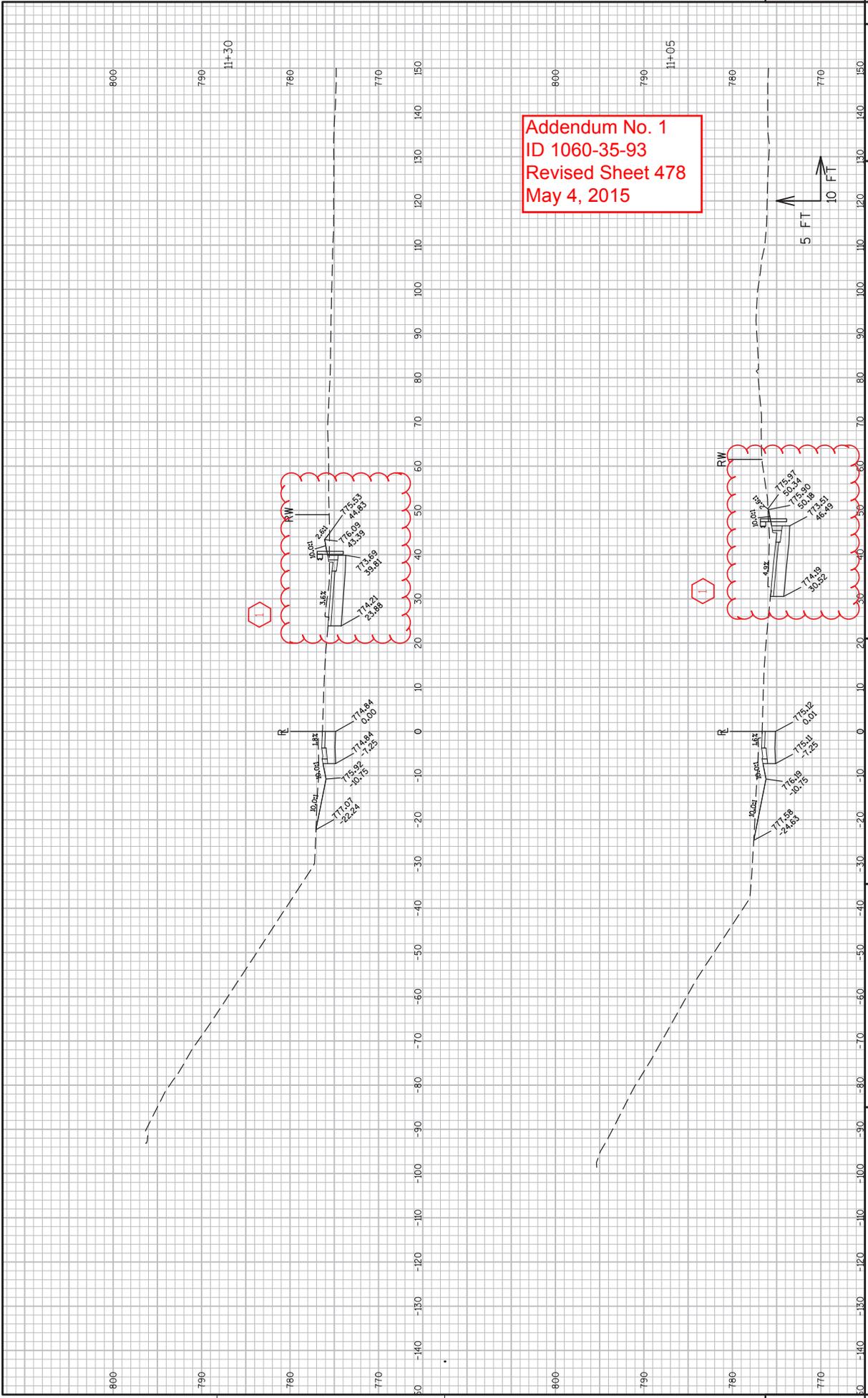
Division	From/To Station	Location	Common Excavation (Item # 205.0100)		Salvaged/Unusable Pavement Material (4)	Available Material (5)	Reduced EBS in Fill (9)		Unexpanded Fill	Expanded Fill (13)		Mass Ordinate +/- (14)	Waste	Borrow (15)
			Cut (2)	EBS Excavation (3)			Factor 0.80	Factor 1.20						
Division 1														
STAGE 1	10+55/15+90		391	0	32	359	0	0	0	0	359	359	0	
STAGE 2	10+55/15+90		378	0	32	346	0	322	387	387	-41	0	41	
Division 1 Subtotal			769	0	64	705	0	323	387	387	318	359	41	
Grand Total		Total Common Exc	768.83	0.00	64.00	704.83	0.00	322.63	387.16	387.16	317.68	358.66	40.99	

Addendum No. 1
ID 1060-35-93
Revised Sheet 458
May 4, 2015

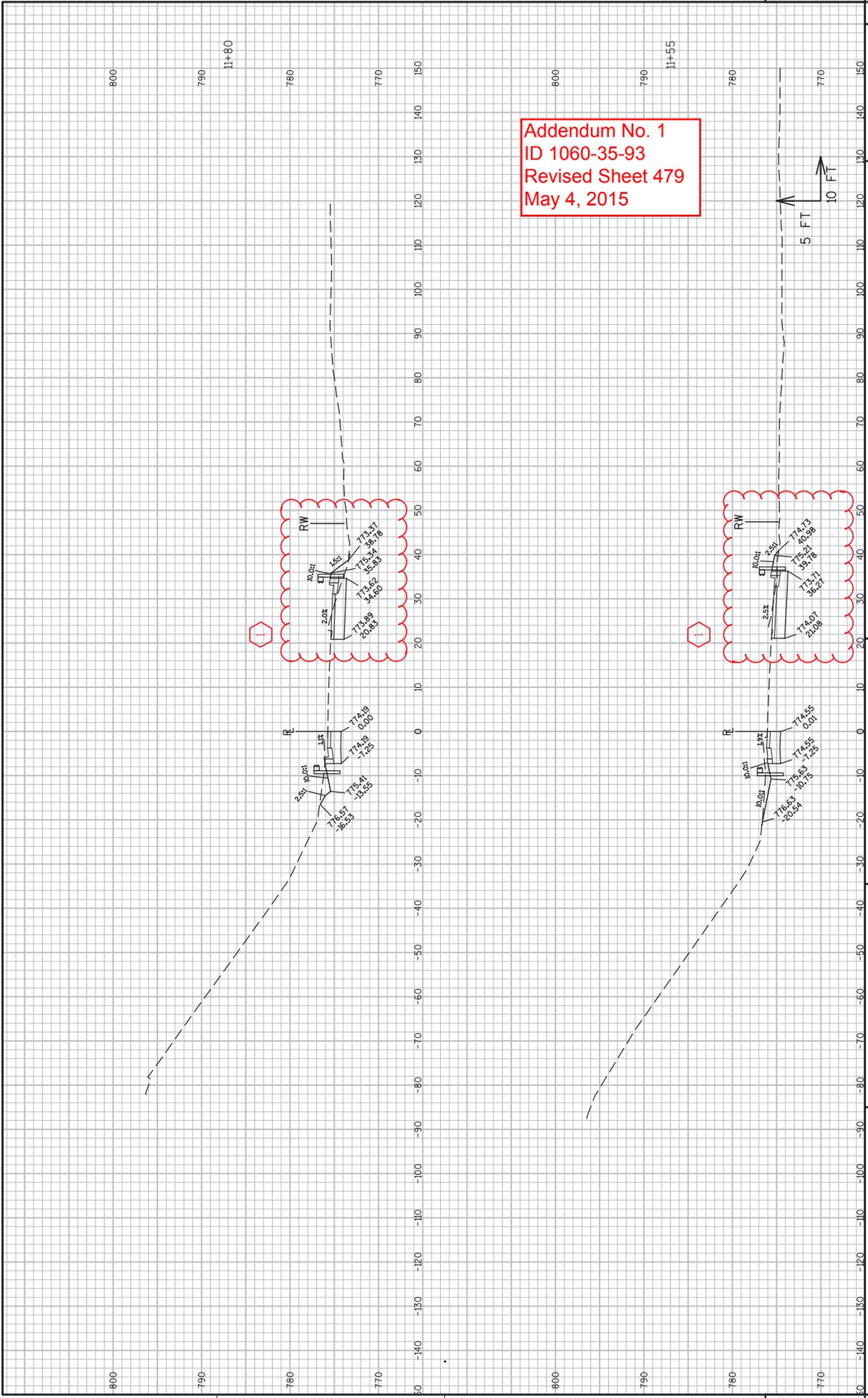
- 1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
 - 2) Salvaged/Unusable Pavement Material is included in Cut.
 - 3) EBS Excavation to be backfilled with Borrow material. Note: this is designers choice, can be backfilled with Borrow, or Cut as well.
 - 4) Salvaged/Unusable Pavement Material
 - 5) Available Material = Cut - Salvaged/Unusable Pavement Material
 - 9) Reduced EBS in Fill - Excavated EBS material is usable in Fills outside the 1:1 slope. EBS in Fill Reduction factor = 0.8.
 - 13) Expanded Fill. Factor = 1.2
- Depending on selections:
- Or
 - Or
 - Or
- 14) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.
- 15) Use 41 CY of material from STAGE 1. Borrow Excavation item number 208.0100 = 0.

Addendum No. 1
 ID 1060-35-93
 Revised Sheet 477
 May 4, 2015

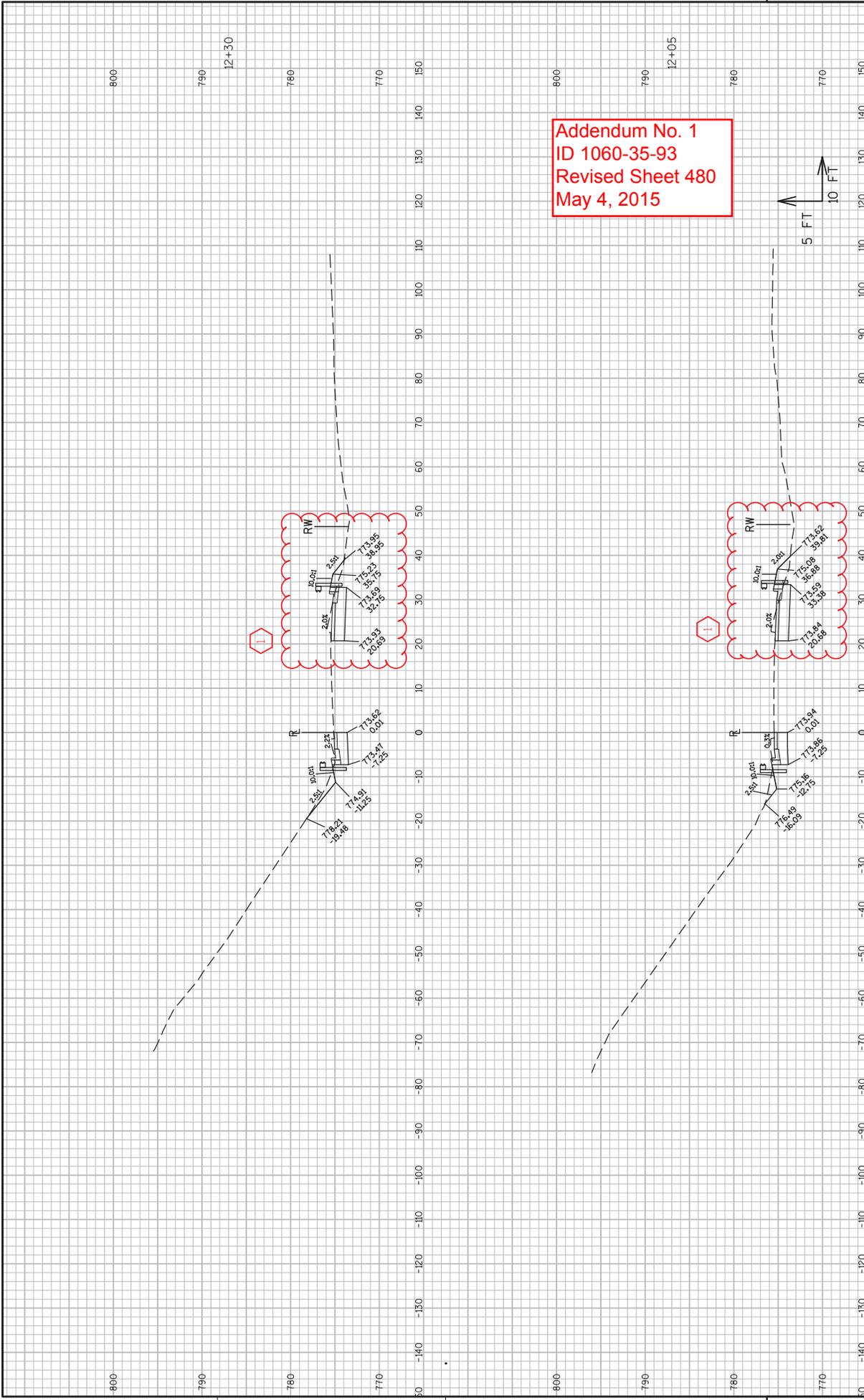




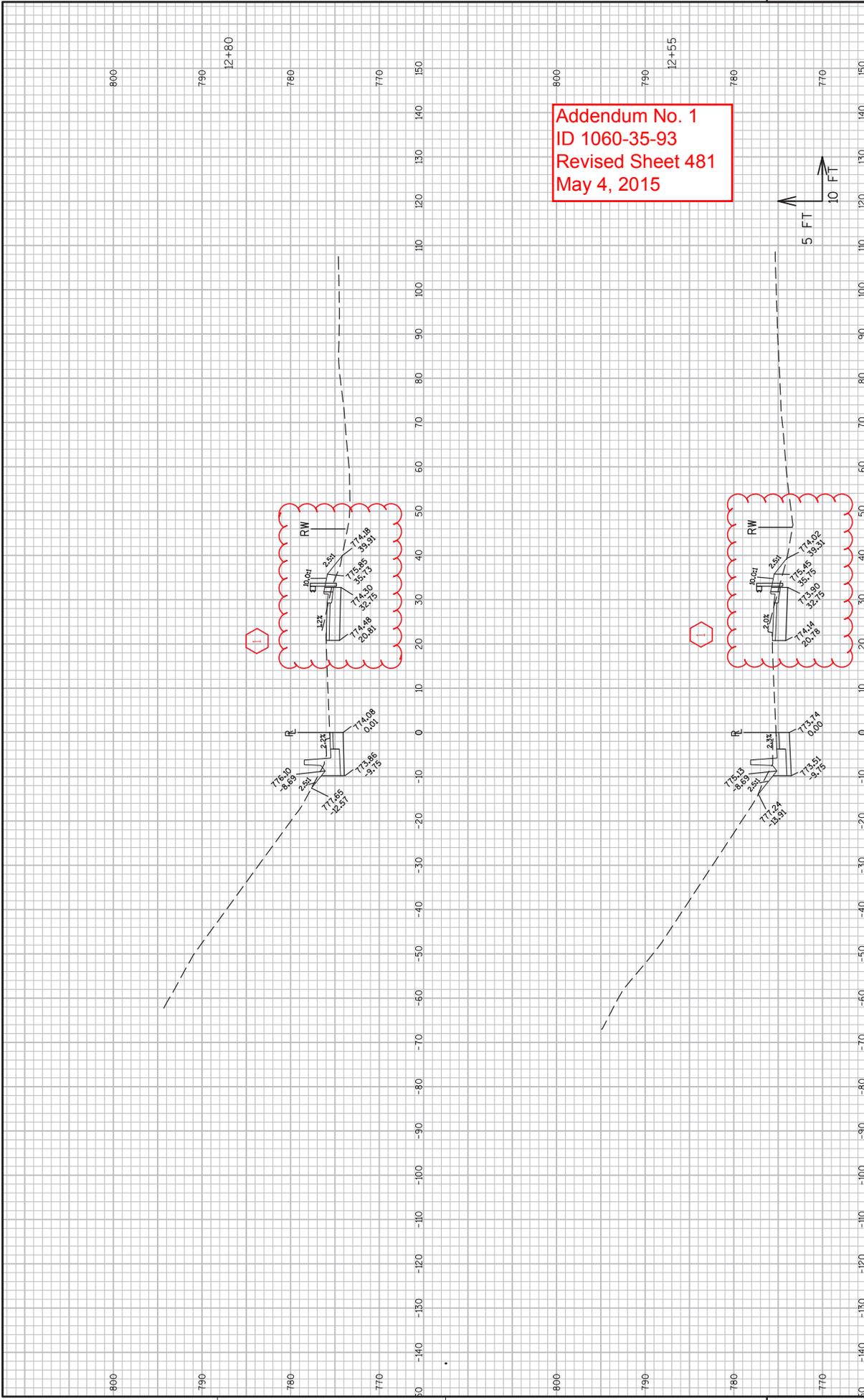
Addendum No. 1
 ID 1060-35-93
 Revised Sheet 478
 May 4, 2015



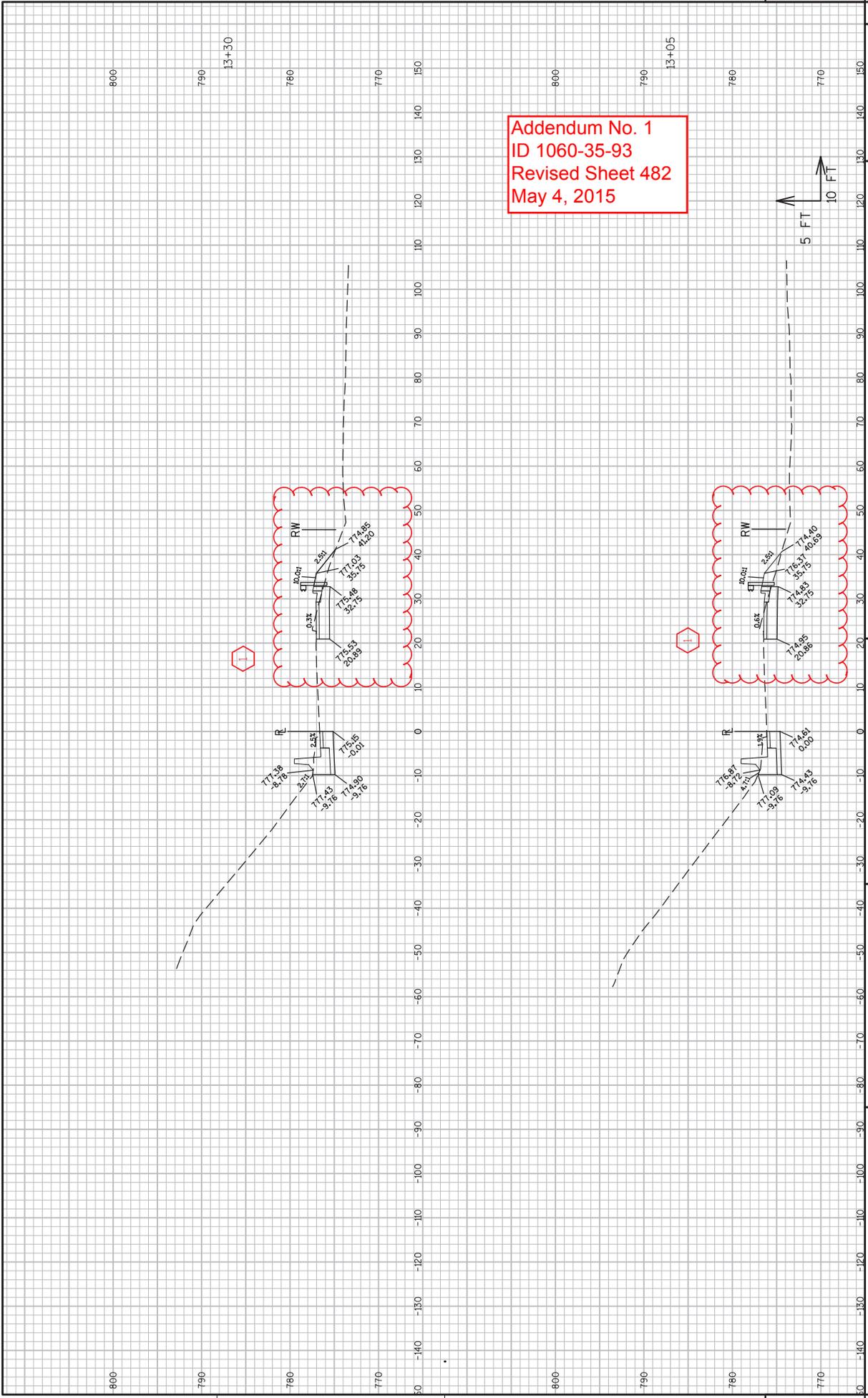
Addendum No. 1
 ID 1060-35-93
 Revised Sheet 479
 May 4, 2015



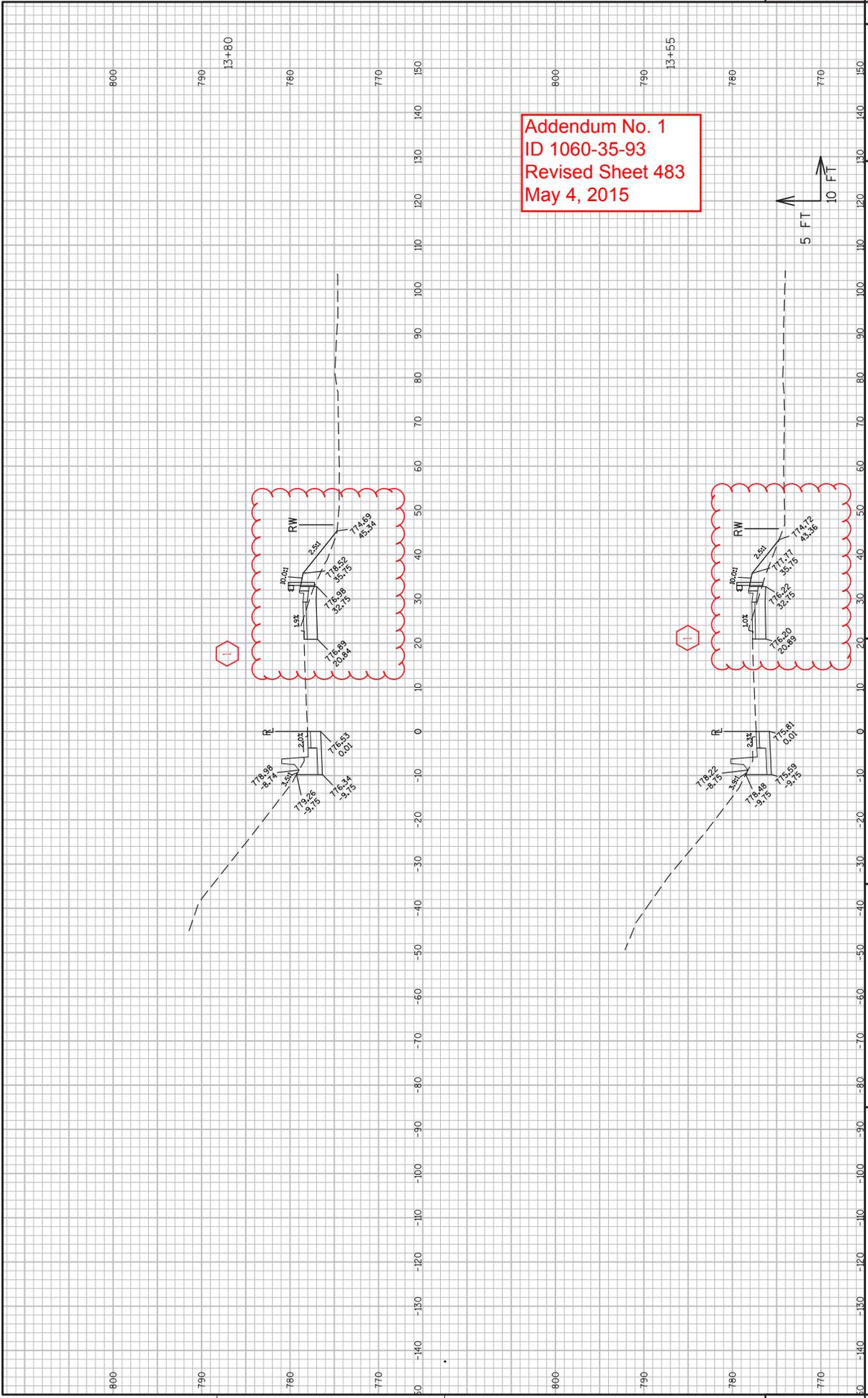
Addendum No. 1
 ID 1060-35-93
 Revised Sheet 480
 May 4, 2015



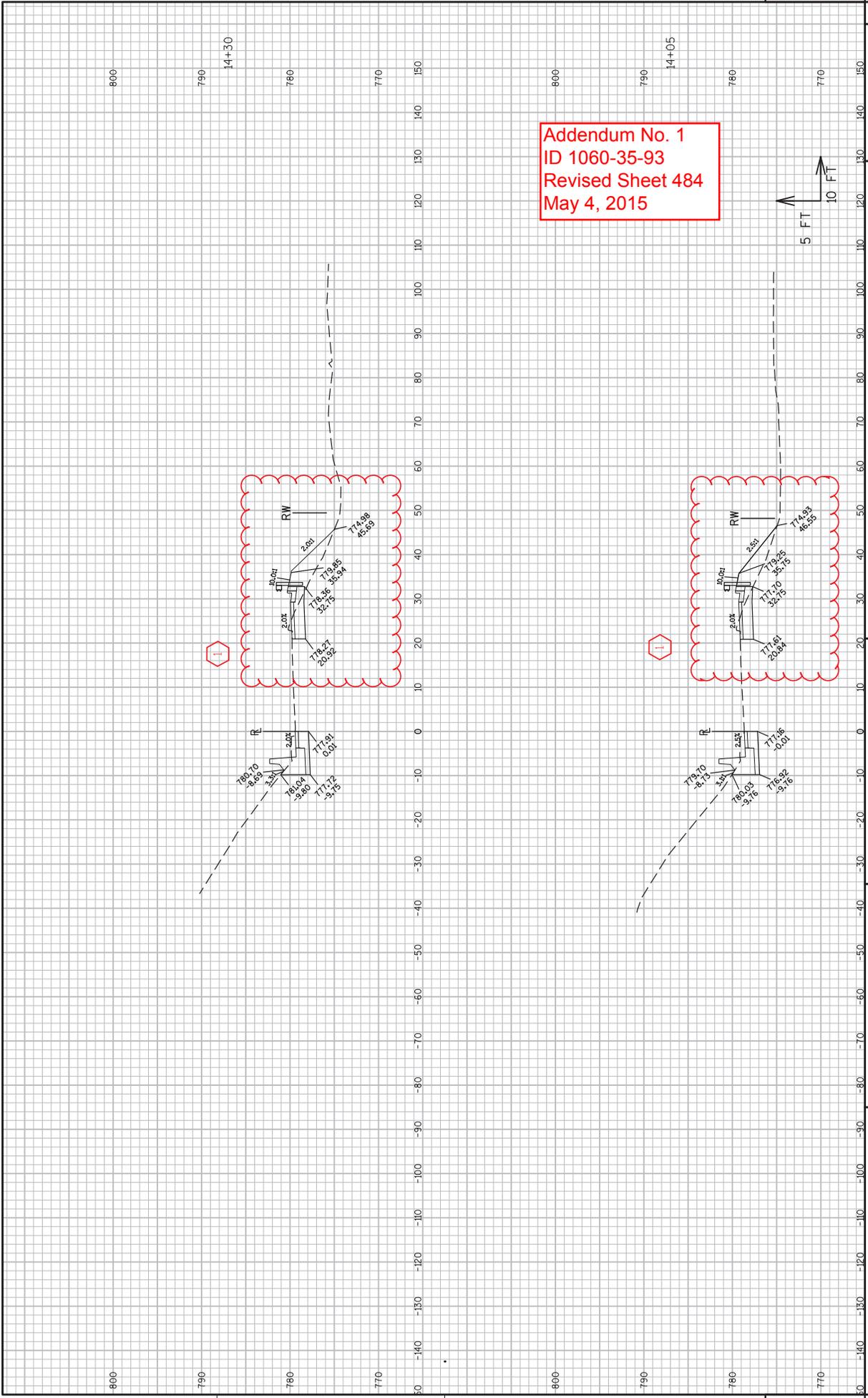
Addendum No. 1
 ID 1060-35-93
 Revised Sheet 481
 May 4, 2015



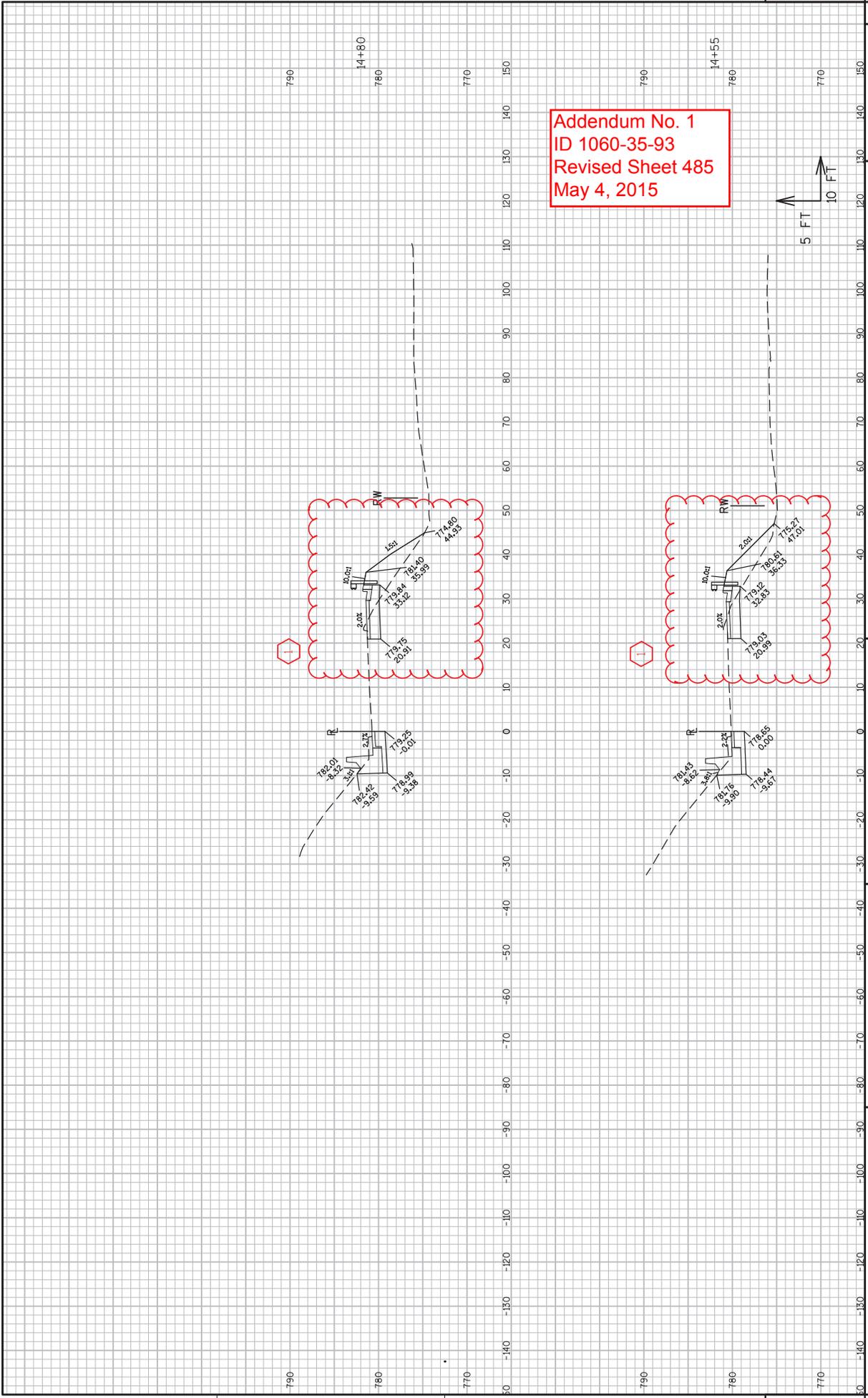
Addendum No. 1
 ID 1060-35-93
 Revised Sheet 482
 May 4, 2015



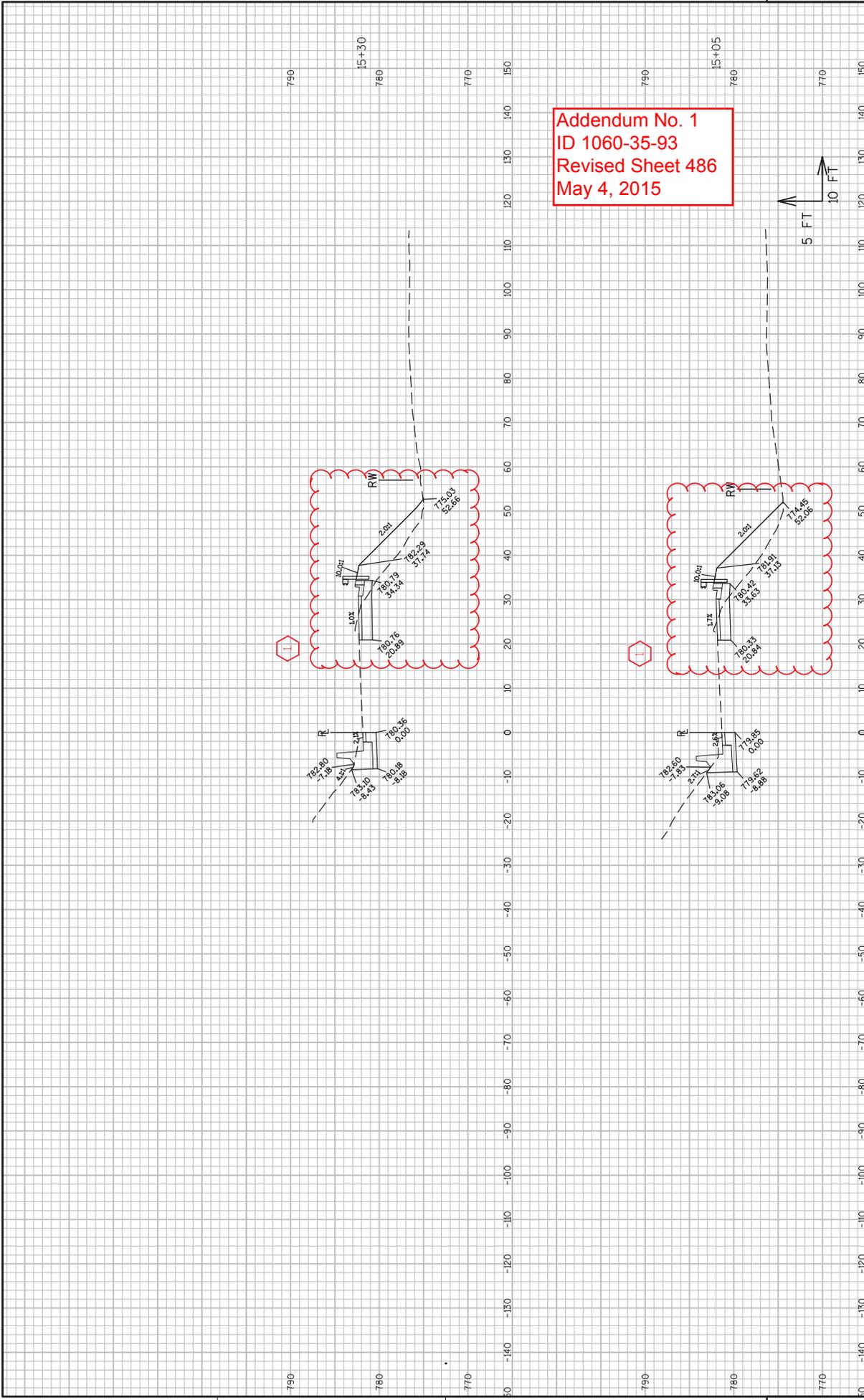
Addendum No. 1
 ID 1060-35-93
 Revised Sheet 483
 May 4, 2015



Addendum No. 1
 ID 1060-35-93
 Revised Sheet 484
 May 4, 2015



Addendum No. 1
 ID 1060-35-93
 Revised Sheet 485
 May 4, 2015



Addendum No. 1
 ID 1060-35-93
 Revised Sheet 486
 May 4, 2015

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150512020

PROJECT(S):
1060-35-93

FEDERAL ID(S):
N/A

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS

SECTION 0001 Intersection Improvements

0010	108.4400 CPM Progress Schedule	1.000 EACH	.	.	.	.
0020	201.0110 Clearing	2,498.000 SY	.	.	.	.
0030	201.0210 Grubbing	2,498.000 SY	.	.	.	.
0040	204.0100 Removing Pavement	341.000 SY	.	.	.	.
0050	204.0150 Removing Curb & Gutter	1,606.000 LF	.	.	.	.
0060	204.0155 Removing Concrete Sidewalk	1,130.000 SY	.	.	.	.
0070	204.0170 Removing Fence	182.000 LF	.	.	.	.
0080	204.0195 Removing Concrete Bases	58.000 EACH	.	.	.	.
0090	205.0100 Excavation Common	884.000 CY	.	.	.	.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150512020PROJECT(S):
1060-35-93FEDERAL ID(S):
N/A

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0100	205.0501.S Excavation, Hauling, and Disposal of Petroleum Contaminated Soil	205.000 TON	.	.	.	.
0110	213.0100 Finishing Roadway (project) 0001. 1060-35-93	1.000 EACH	.	.	.	.
0120	305.0120 Base Aggregate Dense 1 1/4-Inch	1,123.000 TON	.	.	.	.
0130	320.0145 Concrete Base 8-Inch	1,483.000 SY	.	.	.	.
0140	416.0610 Drilled Tie Bars	874.000 EACH	.	.	.	.
0150	455.0140 Asphaltic Material PG64-28P	16.000 TON	.	.	.	.
0160	455.0605 Tack Coat	33.000 GAL	.	.	.	.
0170	460.1110 HMA Pavement Type E-10	266.000 TON	.	.	.	.
0180	465.0125 Asphaltic Surface Temporary	13.000 TON	.	.	.	.
0190	601.0331 Concrete Curb & Gutter 31-Inch	1,180.000 LF	.	.	.	.
0200	601.0409 Concrete Curb & Gutter 30-Inch Type A	337.000 LF	.	.	.	.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150512020PROJECT(S):
1060-35-93FEDERAL ID(S):
N/A

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0210	601.0411 Concrete Curb & Gutter 30-Inch Type D	324.000 LF	.	.	.	.
0220	601.0555 Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type A	24.000 LF	.	.	.	.
0230	601.0600 Concrete Curb Pedestrian	8.000 LF	.	.	.	.
0240	602.0405 Concrete Sidewalk 4-Inch	2,140.000 SF	.	.	.	.
0250	602.0410 Concrete Sidewalk 5-Inch	7,196.000 SF	.	.	.	.
0260	602.0415 Concrete Sidewalk 6-Inch	96.000 SF	.	.	.	.
0270	602.0505 Curb Ramp Detectable Warning Field Yellow	456.000 SF	.	.	.	.
0280	603.1436 Concrete Barrier Type S36C	320.000 LF	.	.	.	.
0290	608.0312 Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	74.000 LF	.	.	.	.
0300	611.0430 Reconstructing Inlets	2.000 EACH	.	.	.	.
0310	611.0540 Manhole Covers Type K	2.000 EACH	.	.	.	.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150512020PROJECT(S):
1060-35-93FEDERAL ID(S):
N/A

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0320	611.0600 Inlet Covers Type A	3.000 EACH	.		.	
0330	611.0610 Inlet Covers Type BW	1.000 EACH	.		.	
0340	611.3220 Inlets 2x2-FT	3.000 EACH	.		.	
0350	611.8110 Adjusting Manhole Covers	1.000 EACH	.		.	
0370	614.0200 Steel Thrie Beam Structure Approach	49.000 LF	.		.	
0380	614.2300 MGS Guardrail 3	571.000 LF	.		.	
0390	614.2610 MGS Guardrail Terminal EAT	2.000 EACH	.		.	
0400	614.2620 MGS Guardrail Terminal Type 2	1.000 EACH	.		.	
0410	616.0206 Fence Chain Link 6-FT	182.000 LF	.		.	
0420	618.0100 Maintenance And Repair of Haul Roads (project) 0001. 1060-35-93	1.000 EACH	.		.	
0430	619.1000 Mobilization	1.000 EACH	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150512020PROJECT(S):
1060-35-93FEDERAL ID(S):
N/A

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0440	620.0300 Concrete Median Sloped Nose	269.000 SF	.	.	.	.
0450	624.0100 Water	18.000 MGAL	.	.	.	.
0460	628.1504 Silt Fence	1,050.000 LF	.	.	.	.
0470	628.1520 Silt Fence Maintenance	1,050.000 LF	.	.	.	.
0480	628.1905 Mobilizations Erosion Control	4.000 EACH	.	.	.	.
0490	628.1910 Mobilizations Emergency Erosion Control	4.000 EACH	.	.	.	.
0500	628.2002 Erosion Mat Class I Type A	405.000 SY	.	.	.	.
0510	628.2006 Erosion Mat Urban Class I Type A	470.000 SY	.	.	.	.
0520	628.2008 Erosion Mat Urban Class I Type B	800.000 SY	.	.	.	.
0530	628.7005 Inlet Protection Type A	8.000 EACH	.	.	.	.
0540	628.7015 Inlet Protection Type C	35.000 EACH	.	.	.	.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150512020PROJECT(S):
1060-35-93FEDERAL ID(S):
N/A

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0550	629.0210 Fertilizer Type B	1.000 CWT	.		.	
0560	630.0130 Seeding Mixture No. 30	24.000 LB	.		.	
0570	630.0200 Seeding Temporary	24.000 LB	.		.	
0580	631.0300 Sod Water	21.000 MGAL	.		.	
0590	631.1000 Sod Lawn	931.000 SY	.		.	
0600	634.0618 Posts Wood 4x6-Inch X 18-FT	67.000 EACH	.		.	
0610	634.0816 Posts Tubular Steel 2x2-Inch X 16-FT	16.000 EACH	.		.	
0620	637.2210 Signs Type II Reflective H	1,098.510 SF	.		.	
0630	637.2215 Signs Type II Reflective H Folding	343.160 SF	.		.	
0640	637.2230 Signs Type II Reflective F	134.000 SF	.		.	
0650	638.2102 Moving Signs Type II	5.000 EACH	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150512020PROJECT(S):
1060-35-93FEDERAL ID(S):
N/A

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0660	638.2602 Removing Signs Type II	135.000 EACH	.		.	
0670	638.3000 Removing Small Sign Supports	57.000 EACH	.		.	
0680	641.8100 Overhead Sign Support (structure) 0001. S-40-937	LUMP	LUMP		.	
0690	643.0100 Traffic Control (project) 0001. 1060-35-93	1.000 EACH	.		.	
0700	643.0300 Traffic Control Drums	9,048.000 DAY	.		.	
0710	643.0410 Traffic Control Barricades Type II	2,761.000 DAY	.		.	
0720	643.0420 Traffic Control Barricades Type III	150.000 DAY	.		.	
0730	643.0705 Traffic Control Warning Lights Type A	5,822.000 DAY	.		.	
0740	643.0715 Traffic Control Warning Lights Type C	5,981.000 DAY	.		.	
0750	643.0800 Traffic Control Arrow Boards	111.000 DAY	.		.	
0760	643.0900 Traffic Control Signs	5,922.000 DAY	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150512020PROJECT(S):
1060-35-93FEDERAL ID(S):
N/A

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0770	646.0106 Pavement Marking Epoxy 4-Inch	1,705.000 LF	.	.	.	.
0780	646.0126 Pavement Marking Epoxy 8-Inch	1,522.000 LF	.	.	.	.
0790	646.0843.S Pavement Marking Grooved Wet Reflective Contrast Tape 8-Inch	791.000 LF	.	.	.	.
0800	647.0166 Pavement Marking Arrows Epoxy Type 2	1.000 EACH	.	.	.	.
0810	647.0168 Pavement Marking Arrows Preformed Thermoplastic Type 2	3.000 EACH	.	.	.	.
0820	647.0356 Pavement Marking Words Epoxy	1.000 EACH	.	.	.	.
0830	647.0456 Pavement Marking Curb Epoxy	505.000 LF	.	.	.	.
0840	647.0566 Pavement Marking Stop Line Epoxy 18-Inch	774.000 LF	.	.	.	.
0850	647.0606 Pavement Marking Island Nose Epoxy	37.000 EACH	.	.	.	.
0860	647.0726 Pavement Marking Diagonal Epoxy 12-Inch	200.000 LF	.	.	.	.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150512020PROJECT(S):
1060-35-93FEDERAL ID(S):
N/A

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0870	647.0766 Pavement Marking Crosswalk Epoxy 6-Inch	2,735.000 LF	.	.	.	.
0880	647.0955 Removing Pavement Markings Arrows	5.000 EACH	.	.	.	.
0890	647.0965 Removing Pavement Markings Words	3.000 EACH	.	.	.	.
0900	649.0400 Temporary Pavement Marking Removable Tape 4-Inch	2,476.000 LF	.	.	.	.
0910	649.0900 Temporary Pavement Marking Stop Line 12-Inch	20.000 LF	.	.	.	.
0920	649.1200 Temporary Pavement Marking Stop Line Removable Tape 18-Inch	15.000 LF	.	.	.	.
0930	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch	1,613.000 LF	.	.	.	.
0940	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch	3,715.000 LF	.	.	.	.
0950	652.0605 Conduit Special 2-Inch	51.000 LF	.	.	.	.
0960	652.0615 Conduit Special 3-Inch	4,292.000 LF	.	.	.	.
0970	652.0700.S Install Conduit into Existing Item	26.000 EACH	.	.	.	.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150512020PROJECT(S):
1060-35-93FEDERAL ID(S):
N/A

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0980	653.0140 Pull Boxes Steel 24x42-Inch	53.000 EACH	.		.	
0990	653.0900 Adjusting Pull Boxes	1.000 EACH	.		.	
1000	653.0905 Removing Pull Boxes	26.000 EACH	.		.	
1010	654.0101 Concrete Bases Type 1	17.000 EACH	.		.	
1020	654.0102 Concrete Bases Type 2	5.000 EACH	.		.	
1030	654.0105 Concrete Bases Type 5	5.000 EACH	.		.	
1040	654.0110 Concrete Bases Type 10	10.000 EACH	.		.	
1050	654.0113 Concrete Bases Type 13	10.000 EACH	.		.	
1060	654.0217 Concrete Control Cabinet Bases Type 9 Special	3.000 EACH	.		.	
1070	655.0124 Cable In Duct 3-4 AWG	25.000 LF	.		.	
1080	655.0230 Cable Traffic Signal 5-14 AWG	3,189.000 LF	.		.	

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150512020PROJECT(S):
1060-35-93FEDERAL ID(S):
N/A

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1090	655.0240 Cable Traffic Signal 7-14 AWG	1,511.000 LF	.	.	.	.
1100	655.0250 Cable Traffic Signal 9-14 AWG	890.000 LF	.	.	.	.
1110	655.0260 Cable Traffic Signal 12-14 AWG	7,337.000 LF	.	.	.	.
1120	655.0270 Cable Traffic Signal 15-14 AWG	1,533.000 LF	.	.	.	.
1130	655.0310 Cable Type UF 2-12 AWG	305.000 LF	.	.	.	.
1140	655.0320 Cable Type UF 2-10 AWG Grounded	3,719.000 LF	.	.	.	.
1150	655.0510 Electrical Wire Traffic Signals 12 AWG	1,055.000 LF	.	.	.	.
1160	655.0515 Electrical Wire Traffic Signals 10 AWG	8,691.000 LF	.	.	.	.
1170	655.0615 Electrical Wire Lighting 10 AWG	3,465.000 LF	.	.	.	.
1180	655.0620 Electrical Wire Lighting 8 AWG	2,095.000 LF	.	.	.	.
1190	655.0630 Electrical Wire Lighting 4 AWG	480.000 LF	.	.	.	.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20150512020PROJECT(S):
1060-35-93FEDERAL ID(S):
N/A

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1200	655.0700 Loop Detector Lead In Cable	19,465.000 LF	.	.	.	.
1210	655.0800 Loop Detector Wire	19,342.000 LF	.	.	.	.
1220	655.0900 Traffic Signal EVP Detector Cable	5,615.000 LF	.	.	.	.
1230	656.0200 Electrical Service Meter Breaker Pedestal (location) 3002. STH 59 & CTH O	LUMP	LUMP	.	.	.
1240	656.0200 Electrical Service Meter Breaker Pedestal (location) 3003. STH 59 & S. Sunnyslope Road	LUMP	LUMP	.	.	.
1250	656.0200 Electrical Service Meter Breaker Pedestal (location) 3004. STH 59 & S. Elm Grove Road	LUMP	LUMP	.	.	.
1260	657.0100 Pedestal Bases	18.000 EACH	.	.	.	.
1270	657.0255 Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	3.000 EACH	.	.	.	.
1280	657.0305 Poles Type 2	2.000 EACH
1290	657.0322 Poles Type 5-Aluminum	1.000 EACH

SCHEDULE OF ITEMS

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20150512020PROJECT(S):
1060-35-93FEDERAL ID(S):
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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1300	657.0420 Traffic Signal Standards Aluminum 13-FT	4.000 EACH	.		.	
1310	657.0425 Traffic Signal Standards Aluminum 15-FT	10.000 EACH	.		.	
1320	657.0430 Traffic Signal Standards Aluminum 10-FT	6.000 EACH	.		.	
1330	657.0610 Luminaire Arms Single Member 4 1/2-Inch Clamp 6-FT	1.000 EACH	.		.	
1340	657.1350 Install Poles Type 10	10.000 EACH	.		.	
1350	657.1355 Install Poles Type 12	4.000 EACH	.		.	
1360	657.1360 Install Poles Type 13	6.000 EACH	.		.	
1370	657.1520 Install Monotube Arms 20-FT	4.000 EACH	.		.	
1380	657.1525 Install Monotube Arms 25-FT	1.000 EACH	.		.	
1390	657.1530 Install Monotube Arms 30-FT	5.000 EACH	.		.	
1400	657.1540 Install Monotube Arms 40-FT	9.000 EACH	.		.	

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1410	657.1545 Install Monotube Arms 45-FT	1.000 EACH	.		.	
1420	657.1815 Install Luminaire Arms Steel 15-FT	24.000 EACH	.		.	
1430	658.0110 Traffic Signal Face 3-12 Inch Vertical	70.000 EACH	.		.	
1440	658.0115 Traffic Signal Face 4-12 Inch Vertical	22.000 EACH	.		.	
1450	658.0215 Backplates Signal Face 3 Section 12-Inch	70.000 EACH	.		.	
1460	658.0220 Backplates Signal Face 4 Section 12-Inch	22.000 EACH	.		.	
1470	658.0416 Pedestrian Signal Face 16-Inch	28.000 EACH	.		.	
1480	658.0500 Pedestrian Push Buttons	26.000 EACH	.		.	
1490	658.0600 Led Modules 12-Inch Red Ball	54.000 EACH	.		.	
1500	658.0605 Led Modules 12-Inch Yellow Ball	52.000 EACH	.		.	
1510	658.0610 Led Modules 12-Inch Green Ball	52.000 EACH	.		.	

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1520	658.0615 Led Modules 12-Inch Red Arrow	38.000 EACH	.		.	
1530	658.0620 Led Modules 12-Inch Yellow Arrow	62.000 EACH	.		.	
1540	658.0625 Led Modules 12-Inch Green Arrow	40.000 EACH	.		.	
1550	658.0635 Led Modules Pedestrian Countdown Timer 16-Inch	28.000 EACH	.		.	
1560	658.5069 Signal Mounting Hardware (location) 3001. CTH 59 & S. Calhoun Road	LUMP		LUMP		.
1570	658.5069 Signal Mounting Hardware (location) 3002. STH 59 & CTH O	LUMP		LUMP		.
1580	658.5069 Signal Mounting Hardware (location) 3003. STH 59 & S. Sunnyslope Road	LUMP		LUMP		.
1590	658.5069 Signal Mounting Hardware (location) 3004. STH 59 & S. Elm Grove Road	LUMP		LUMP		.
1600	659.1125 Luminaires Utility LED C	25.000 EACH	.		.	
1610	661.0200 Temporary Traffic Signals for Intersections (location) 3001. STH 59 & Cth O	LUMP		LUMP		.

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1620	661.0200 Temporary Traffic Signals for Intersections (location) 3002. STH 59 & S. Sunnyslope Road	LUMP	LUMP			.
1630	661.0200 Temporary Traffic Signals for Intersections (location) 3003. STH 59 & S. Elm Grove Road	LUMP	LUMP			.
1640	661.0300 Generators	6.000 DAY		.		.
1650	661.0700 Temporary Ramp Meter (location) 2001. 15+62	LUMP	LUMP			.
1660	662.1032.S Ramp Closure Gates Hardwired 32-FT	2.000 EACH		.		.
1670	670.0100 Field System Integrator 2001. FTMS	LUMP	LUMP			.
1680	670.0100 Field System Integrator 3001. STH 59	LUMP	LUMP			.
1690	670.0100 Field System Integrator 3002. IH 894/USH 45	LUMP	LUMP			.
1700	670.0200 ITS Documentation 2001. FTMS	LUMP	LUMP			.
1710	670.0200 ITS Documentation 3001. STH 59	LUMP	LUMP			.

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1720	670.0200 ITS Documentation 3002. IH 894/USH 45	LUMP	LUMP			.
1730	674.0300 Remove Cable	1,195.000 LF	.			.
1740	674.0400 Reinstall Cable	210.000 LF	.			.
1750	675.0400.S Install Ethernet Switch	1.000 EACH	.			.
1760	676.0100 Signal Assembly Ramp Control Sidemount	1.000 EACH	.			.
1770	676.0105 Signal Assembly Ramp Control Overhead	2.000 EACH	.			.
1780	676.0300 Signal Assembly Advance Flasher Type 1	2.000 EACH	.			.
1790	676.9001.S Removing Advance Flasher Assemblies Type 1	1.000 EACH	.			.
1800	676.9002.S Removing Advance Flasher Assemblies Type 2	1.000 EACH	.			.
1810	678.0006 Install Fiber Optic Cable Outdoor Plant 6-CT	480.000 LF	.			.
1820	678.0300 Fiber Optic Splice	112.000 EACH	.			.

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1830	678.0400 Fiber Optic Termination	6.000 EACH	.		.	
1840	678.0500 Communication System Testing 2001. FTMS	LUMP	LUMP		.	
1850	678.0500 Communication System Testing 3001. STH 59	LUMP	LUMP		.	
1860	678.0500 Communication System Testing 3002. IH 894/USH 45	LUMP	LUMP		.	
1870	690.0150 Sawing Asphalt	362.000 LF	.		.	
1880	690.0250 Sawing Concrete	2,331.000 LF	.		.	
1890	SPV.0060 Special 0001. Traffic Control Local Road Lane Closures	296.000 EACH	.		.	
1900	SPV.0060 Special 0003. Adjusting Sanitary Manhole	1.000 EACH	.		.	
1910	SPV.0060 Special 0004. Replace Sanitary Manhole	1.000 EACH	.		.	
1920	SPV.0060 Special 0005. Grooved Prefomed Thermoplastic Arrows Type 2 White	4.000 EACH	.		.	

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1930	SPV.0060 Special 0006. Grooved Preformed Thermoplastic Words White	EACH 2.000	.		.	
1940	SPV.0060 Special 1002. Removing Lighting Units	EACH 5.000	.		.	
1950	SPV.0060 Special 1010. Lamp Disposal High Intensity Discharge	EACH 16.000	.		.	
1960	SPV.0060 Special 1020. Relocating Light Poles Luminaires And Arms	EACH 7.000	.		.	
1970	SPV.0060 Special 1050. Pull Boxes Steel 24x36-Inch Grounded	EACH 2.000	.		.	
1980	SPV.0060 Special 2001. Install Contact Closure Radio System	EACH 2.000	.		.	
1990	SPV.0060 Special 2002. Wireless Traffic Sensor	EACH 15.000	.		.	
2000	SPV.0060 Special 2003. Install Wireless Traffic Sensor Access Point	EACH 2.000	.		.	
2010	SPV.0060 Special 2004. Install Wireless Traffic Sensor Repeater	EACH 1.000	.		.	
2020	SPV.0060 Special 2005. Wireless Traffic Sensor Contact Closure Module	EACH 1.000	.		.	

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2030	SPV.0060 Special 2006. Wireless Traffic Sensor Contact Closure Extension Card	5.000 EACH	.		.	
2040	SPV.0060 Special 2007. Install Portable Video Surveillance System	1.000 EACH	.		.	
2050	SPV.0060 Special 2008. Relocating Portable Video Surveillance System	2.000 EACH	.		.	
2060	SPV.0060 Special 2009. Install Temporary Vehicle Detector Assembly	1.000 EACH	.		.	
2070	SPV.0060 Special 2010. Refocusing Vehicle Detector Assembly	2.000 EACH	.		.	
2080	SPV.0060 Special 2012. Removing Ramp Control Signal Assembly Sidemount	2.000 EACH	.		.	
2090	SPV.0060 Special 2013. Install Wireless Modem	1.000 EACH	.		.	
2100	SPV.0060 Special 2014. Bury Existing Manhole	2.000 EACH	.		.	
2110	SPV.0090 Special 0001. Removing Pavement Markings Water Blasting	2,572.000 LF	.		.	
2120	SPV.0090 Special 0002. Grooved Preformed Thermoplastic Crosswalk 6-Inch	209.000 LF	.		.	

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2130	SPV.0090 Special 0003. Grooved Preformed Thermoplastic Stop Line 18-Inch	92.000 LF	.		.	
2140	SPV.0090 Special 0004. Grooved Preformed Thermoplastic Diagonal 12-Inch White	140.000 LF	.		.	
2150	SPV.0090 Special 3001. Cable Type UF 2-14 Awg	5,615.000 LF	.		.	
2160	SPV.0090 Special 3002. Install Camera Power Cable	4,869.000 LF	.		.	
2170	SPV.0090 Special 3003. Install Cat-5e Cable	5,361.000 LF	.		.	
2180	SPV.0105 Special 0001. Pavement Cleanup Project 1060-35-93	LUMP	LUMP		.	
2190	SPV.0105 Special 0002. Survey Project 1060-35-93	LUMP	LUMP		.	
2200	SPV.0105 Special 1006. Maintenance Of Lighting Systems	LUMP	LUMP		.	
2210	SPV.0105 Special 2002. Relocate Existing CCTV Camera	LUMP	LUMP		.	
2220	SPV.0105 Special 2003. Relocate Existing Bluetooth Detector	LUMP	LUMP		.	

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2230	SPV.0105 Special 3001. Remove Traffic Signals STH 59 & S. Calhoun Road	LUMP	LUMP			.
2240	SPV.0105 Special 3002. Remove Traffic Signals STH 59 & CTH 0	LUMP	LUMP			.
2250	SPV.0105 Special 3003. Remove Traffic Signals STH 59 & S. Sunnyslope Road	LUMP	LUMP			.
2260	SPV.0105 Special 3004. Remove Traffic Signals STH 59 & S. Elm Grove Road	LUMP	LUMP			.
2270	SPV.0105 Special 3005. Remove Traffic Signals IH 94 EB Off Ramp & Cth 0	LUMP	LUMP			.
2280	SPV.0105 Special 3006. Remove Traffic Signals IH 894/USH 45 Ramps & W. Oklahoma Avenue	LUMP	LUMP			.
2290	SPV.0105 Special 3011. Remove Loop Detector Wire And Lead -In Cable STH 59 & CTH 0	LUMP	LUMP			.
2300	SPV.0105 Special 3012. Remove Loop Detector Wire And Lead -In Cable STH 59 & S. Sunnyslope Road	LUMP	LUMP			.
2310	SPV.0105 Special 3013. Remove Loop Detecotr Wire And Lead -In Cable STH 59 & S. Elm Grove Road	LUMP	LUMP			.

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N/A

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2320	SPV.0105 Special 3021. Install State Furnished Traffic Signal Cabinet STH 59 & S. Calhoun Road	LUMP	LUMP			.
2330	SPV.0105 Special 3022. Install State Furnished Traffic Signal Cabinet STH 59 & CTH 0	LUMP	LUMP			.
2340	SPV.0105 Special 3023. Install State Furnished Traffic Signal Cabinet STH 59 & S. Sunnyslope Rd	LUMP	LUMP			.
2350	SPV.0105 Special 3024. Install State Furnished Traffic Signal Cabinet STH 59 & S. Elm Grove Rd	LUMP	LUMP			.
2360	SPV.0105 Special 3025. Install State Furnished Traffic Signal Cabinet Ih 94 EB Off Ramp & CTH O	LUMP	LUMP			.
2370	SPV.0105 Special 3026. Inst St Furn Traffic Sig Cabinet IH 894/USH 45 Ramp & W Oklohoma Ave	LUMP	LUMP			.
2380	SPV.0105 Special 3031. Transporting Signal And Lighting Materials STH 59 & S. Calhoun Road	LUMP	LUMP			.
2390	SPV.0105 Special 3032. Transporting Signal And Lighting Materials STH 59 & CTH 0	LUMP	LUMP			.

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1060-35-93

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2400	SPV.0105 Special 3033. Transporting Signal And Lighting Materials STH 59 & S. Sunnyslope Road	LUMP	LUMP			.
2410	SPV.0105 Special 3034. Transporting Signal And Lighting Materials STH 59 & S. Elm Grove Road	LUMP	LUMP			.
2420	SPV.0105 Special 3041. Transporting And Installing State Furnished Adaptable Traffic Signal Cameras STH 59 & S. Calhoun Road	LUMP	LUMP			.
2430	SPV.0105 Special 3042. Transporting And Installing State Furnished Adaptable Traffic Signal Cameras STH 59 & CTH O	LUMP	LUMP			.
2440	SPV.0105 Special 3043. Transporting And Installing State Furnished Adaptable Traffic Signal Cameras STH 59 & S. Sunnyslope Road	LUMP	LUMP			.
2450	SPV.0105 Special 3044. Transporting And Installing State Furnished Adaptable Traffic Signal Cameras CTH 59 & E. Elm Grove Road	LUMP	LUMP			.

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2460	SPV.0105 Special 3051. Install State Furnished EVP Detector Heads STH 59 & S. Calhoun Road	LUMP	LUMP			.
2470	SPV.0105 Special 3052. Install State Furnished EVP Detector Heads STH 59 & CTH O	LUMP	LUMP			.
2480	SPV.0105 Special 3053. Install State Furnished EVP Detector Heads STH 59 & S. Sunnyslope Rd	LUMP	LUMP			.
2490	SPV.0105 Special 3054. Install State Furnished EVP Detector Heads STH 59 & S. Elm Grove Rd	LUMP	LUMP			.
2500	SPV.0105 Special 3061. Temporary EVP System STH 59 & CTH O	LUMP	LUMP			.
2510	SPV.0105 Special 3062. Temporary EVP System STH 59 & S. Sunnyslope Road	LUMP	LUMP			.
2520	SPV.0105 Special 3063. Temporary EVP System STH 59 & S. Elm Grove Road	LUMP	LUMP			.
2530	SPV.0105 Special 3071. Install Fiber Optic Communications In Cabinet STH 59 & S. Calhoun Road	LUMP	LUMP			.
2540	SPV.0105 Special 3072. Install Fiber Optic Communications In Cabinet STH 59 & CTH O	LUMP	LUMP			.

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
2550	SPV.0105 Special 3073. Install Fiber Optic Communications In Cabinet STH 59 & S. Sunnyslope Road	LUMP	LUMP			.
2560	SPV.0105 Special 3074. Install Fiber Optic Communications In Cabinet STH 59 & S. Elm Grove Road	LUMP	LUMP			.
2570	SPV.0105 Special 3075. Install Fiber Optic Communications In Cabinet IH 94 EB Off Ramp & CTH O	LUMP	LUMP			.
2580	SPV.0105 Special 3076. Install Fiber Optic Comm in Cab IH 894/USH 45 Ramps & W. Oklahoma Ave Oklahoma Avenue	LUMP	LUMP			.
2590	SPV.0105 Special 3081. Transport and Install State Furn Radar Det Sys IH 94 EB Off Ramp & CTH O	LUMP	LUMP			.
2600	SPV.0165 Special 0001. Concrete Sidewalk 5-Inch (High Early Strength)	SF	267.000	.		.
2610	SPV.0180 Special 0001. Topsoil Special	SY	1,972.000	.		.
2620	204.0220 Removing Inlets	EACH	3.000	.		.

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			DOLLARS	CTS	DOLLARS	CTS
2630	204.0245 Removing Storm Sewer (size) 01. 12-Inch	50.000 LF	.		.	
2640	520.8000 Concrete Collars for Pipe	1.000 EACH	.		.	
2650	606.0100 Riprap Light	7.000 CY	.		.	
2660	608.0315 Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	5.000 LF	.		.	
2670	611.0642 Inlet Covers Type MS	1.000 EACH	.		.	
2680	611.3225 Inlets 2x2.5-FT	1.000 EACH	.		.	
2690	611.3901 Inlets Median 1 Grate	1.000 EACH	.		.	
2700	645.0130 Geotextile Fabric Type R	9.000 SY	.		.	
	SECTION 0001 TOTAL				.	
	TOTAL BID				.	