



Wisconsin Department of Transportation

October 31, 2019

Division of Transportation Systems Development

Bureau of Project Development
4822 Madison Yards Way, 4th Floor South
Madison, WI 53705

Telephone: (608) 266-1631
Facsimile (FAX): (608) 266-8459

NOTICE TO ALL CONTRACTORS:

Proposal #02: 1067-02-74, WISC 2019 671
Lake Mills - Oconomowoc
Hillside Dr and Johnson Cr Bridges
IH 94
Jefferson County

1067-02-75, WISC 2019 672
Lake Mills - Oconomowoc
CTH X, B-28-25; CTH D, B-28-27
IH 94
Jefferson County

Letting of November 12, 2019

This is Addendum No. 01, which provides for the following:

Special Provisions:

Revised Special Provisions	
Article No.	Description
5	Traffic (revised paragraph to close Hillside Dr)
16	Debris Containment Structure B-28-25, Item 203.0225.S.01; Debris Containment Structure B-28-27, Item 203.0225.S.02 (removed Johnson Creek and inserted IH 94)

Added Special Provisions	
Article No.	Description
27	Removing Old Structure 1031'WB'+74, Item 203.0200.03

Schedule of Items:

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
460.6223	HMA Pavement 3 MT 58-28 S	TON	6,960	-360	6,600
614.2300	MGS Guardrail 3	LF	5,112.5	75.5	5,187.5
643.0420	Traffic Control Barricades Type 3	EA	4,049	3,080	7,129
643.0705	Traffic Control Warning Lights Type A	EA	8,094	6,160	14,254
643.0900	Traffic Control Signs	EA	26,487	2,640	29,127

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
450.4000	HMA Cold Weather Paving	TON	0	395	395
614.2340	MGS Guardrail 3 L	LF	0	50	50
646.6464	Cold Weather Marking Epoxy 4-Inch	LF	0	15,206	15,206

Deleted Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
614.2310	MGS Guardrail 3 HS	LF	100	-100	0

Plan Sheets:

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
19	Construction Detail – Guardrail Layout (added MGS long span)
67	Traffic Control – Stage 2 (Hillside Dr) (added note)
73	Traffic Control – Stage 3 (Hillside Dr) (added note)
79	Traffic Control – Stage 4 (Hillside Dr) (added note)
101	MQ Asphaltic Items (Added Item 450.4000 HMA Cold Weather Paving, Revised quantity Item 460.6223 HMA Pavement 3 MT 58-28 S)
103	MQ Beam Guard (added MGS long span)
107	MQ Traffic Control (added barricades and signs for Hillside Dr)
111	MQ Pavement Marking (added cold weather marking epoxy)
121	Plan/Profile – Hillside Dr (added MGS long span)
378-383	Cross Sections – (revised station location to coincide with MGS long span post spacing)

Added Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of why sheet was added)
172A	SDD 14 B 43-4a – Midwest Guardrail System Long Span MGS (L) (added MGS long span)
172B	SDD 14 B 43-4c – Midwest Guardrail System Long Span MGS (L) (added MGS long span)

Deleted Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of why sheet was deleted)
384	Cross Sections – Hillside Dr

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. 01

1067-02-74 / 75

October 31, 2019

Special Provisions

5. Traffic

*Replace the first bulleted paragraph under subsection titled 1067-02-74 under section titled **Construction Staging** with the following:*

- Stage 1 – Conduct this work during off peak hours. Close the outside lanes of eastbound and westbound IH 94 at Johnson Creek. Close the outside lane of westbound IH 94 at Hillside Drive. Fill the existing rumble strips located in the outside shoulders. Close Hillside Drive to all traffic.

16. Debris Containment Structure B-28-25, Item 203.0225.S.01; Debris Containment Structure B-28-27, Item 203.0225.S.02

*Replace the first paragraph under section titled **C Construction** with the following:*

Before starting work, submit a debris containment plan to the engineer for review. Incorporate engineer-requested modifications. Do not start work over IH 94 until the engineer approves the debris containment plan.

27. Removing Old Structure 1031'WB'+74, Item 203.0200.03

Replace the first sentence under 203.3.2.1(1) with the following:

Remove those parts of an existing structure that interfere with new construction such as pier footings that interfere with proposed MGS guardrail posts.

Schedule of Items

Attached, dated October 31, 2019, are the revised Schedule of Items Pages 1 – 12.

Plan Sheets

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

Revised: 19, 67, 73, 79, 101, 103, 107, 111, 121, and 378 – 383.

Added: 172A and 172B

END OF ADDENDUM

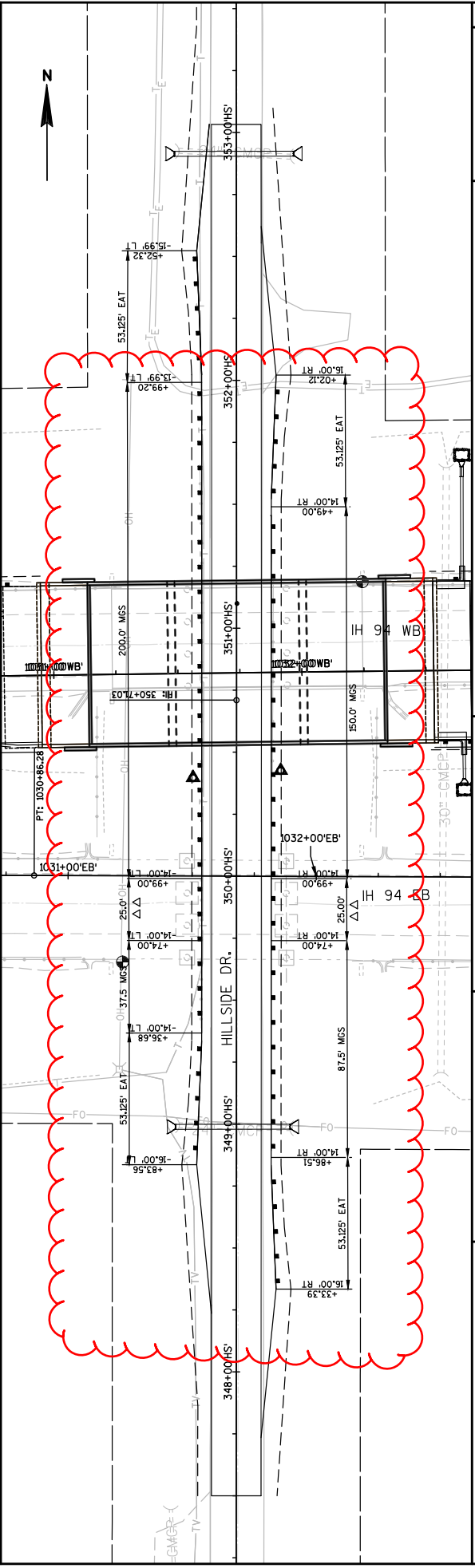
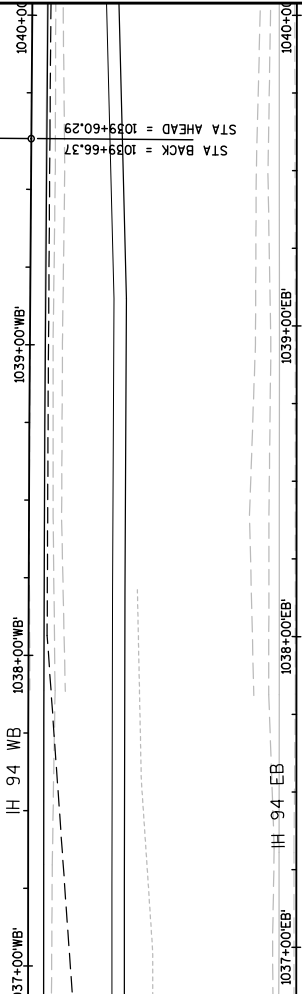


Addendum No. 01
 ID 1067-02-74
 Revised Sheet 19
 October 31, 2019

LEGEND	
$\Delta\Delta$	MGS GUARDRAIL 3L
Δ	MGS GUARDRAIL 3
EAT	MGS GUARDRAIL TERMINAL EAT

ATCH LINE STA 1036+90

STA BACK = 1039+66.37
 STA AHEAD = 1039+60.29
 PT: 1039+60.29



1038+25.00 MATCH LINE

1023+50.00 MATCH LINE

Refer to SDD 15C2 Detail C

Refer to SDD 15C2 Detail C

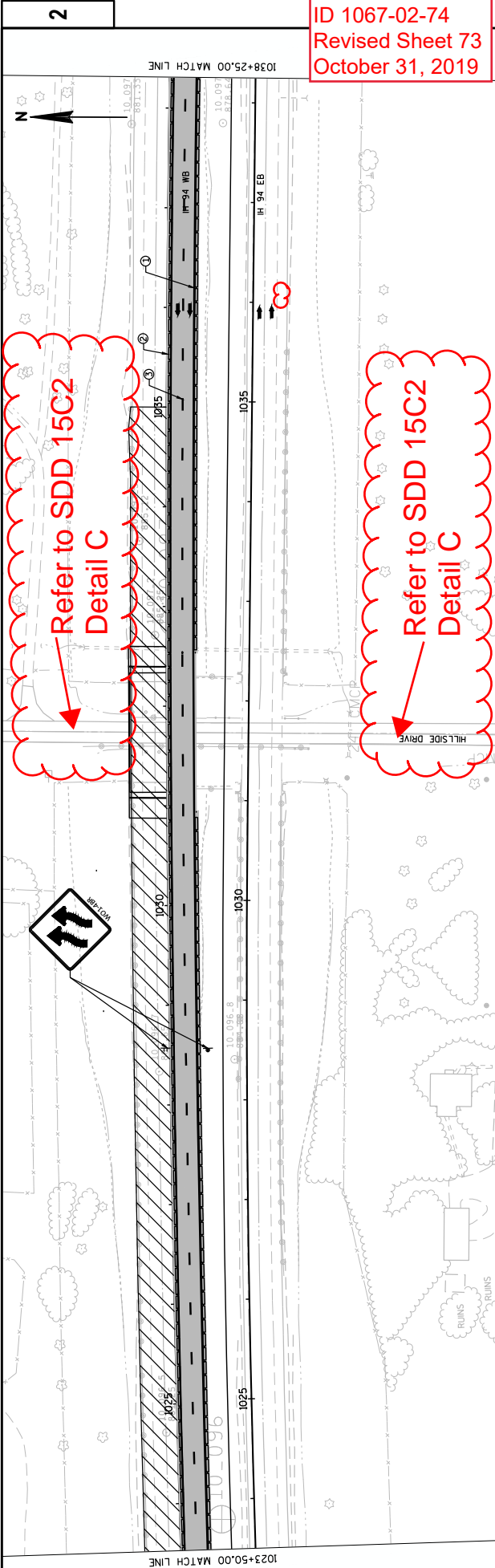
Addendum No. 01
ID 1067-02-74
Revised Sheet 67
October 31, 2019

HILLSIDE DRIVE

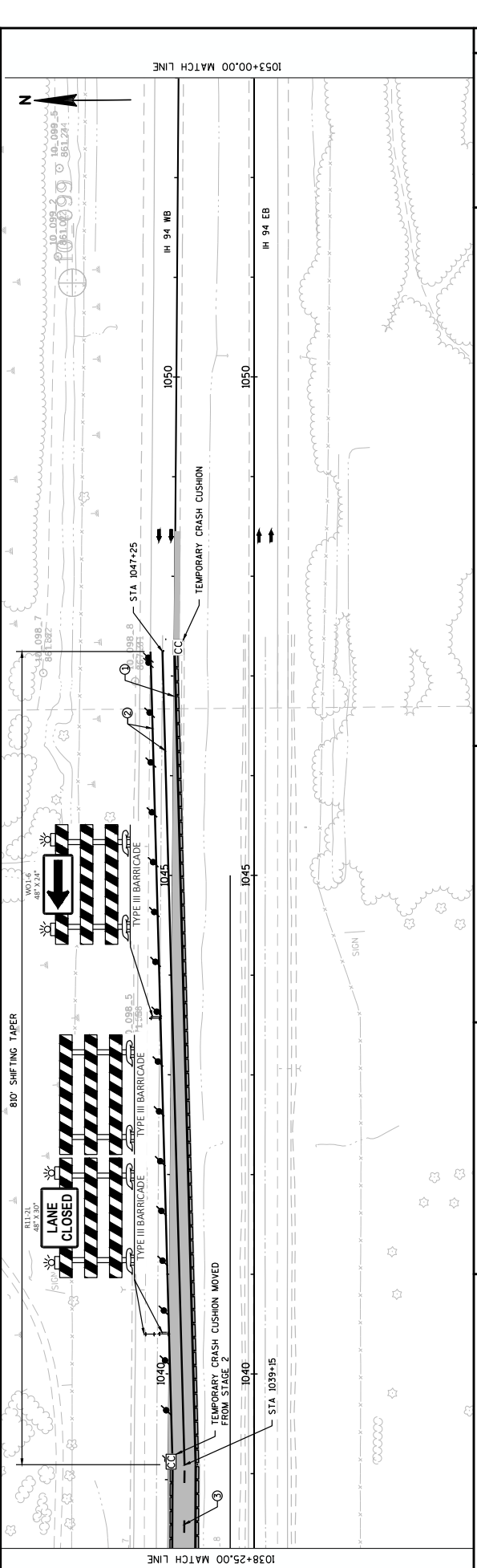


1053+00.00 MATCH LINE

Addendum No. 01
 ID 1067-02-74
 Revised Sheet 73
 October 31, 2019

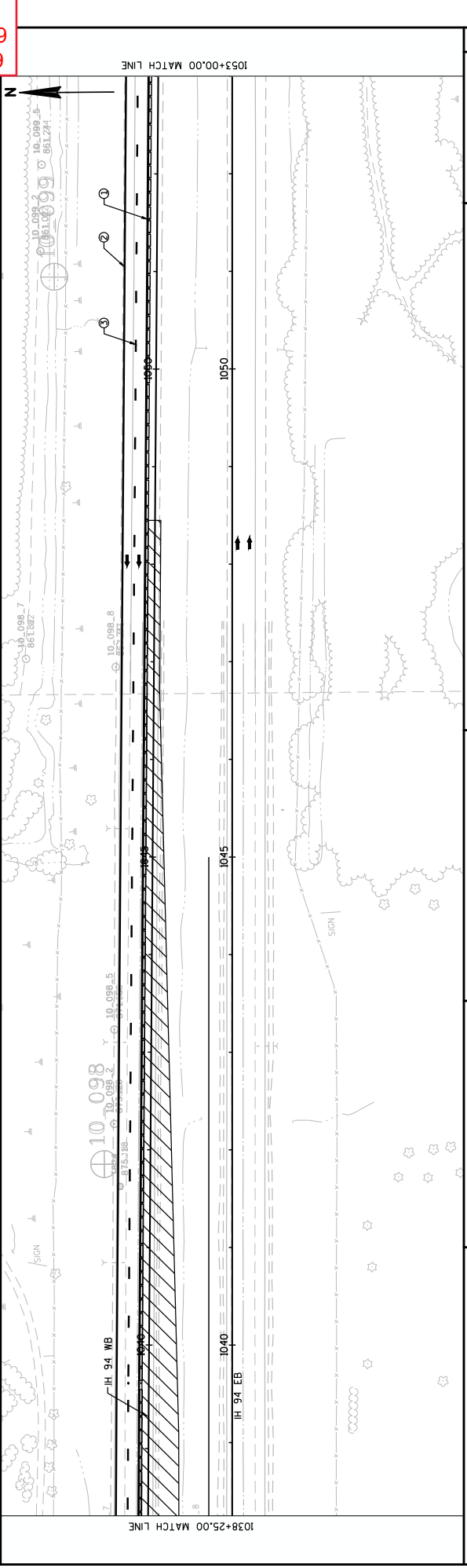
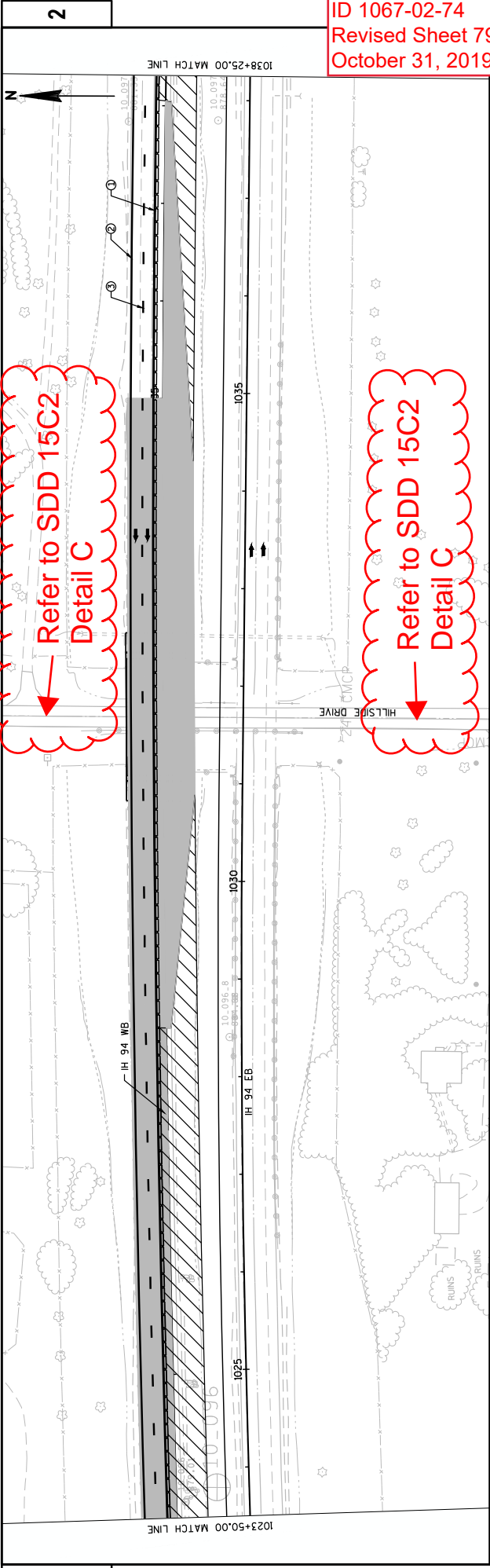


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Addendum No. 01
ID 1067-02-74
Revised Sheet 79
October 31, 2019



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Addendum No. 01
ID 1067-02-74/75
Revised Sheet 101
October 31, 2019

ASPHALTIC ITEMS

STATION TO STATION	DIR	LOCATION	450.4000 HMA COLD WEATHER PAVING	415.0605** TACK COAT	460.6223 HMA PAVEMENT 3 MT 58-28 S	460.5224 HMA PAVEMENT 4 LT 58-28 S	465.0120 ASPHALTIC SURFACE DRIVEWAYS & FILLED ENTRANCES
PROJECT 1067-02-74							
347+50 - 353+03	R/L	HILLSIDE DR.	395	125	---	380	15
1009+20 - 1030+95	R/L	IH 94 WB AT HILLSIDE-S2	---	429	1,760	---	---
1032+53 - 1048+45	R/L	IH 94 WB AT HILLSIDE-S2	---	275	1,130	---	---
1018+50 - 1030+80	R/L	IH 94 WB AT HILLSIDE-S3	---	96	390	---	---
1032+68 - 1035+00	R/L	IH 94 WB AT HILLSIDE-S3	---	19	80	---	---
878+25 - 891+73	R/L	IH 94 EB AT JOHNSON CREEK-S2	---	208	860	---	---
892+81 - 905+60	R/L	IH 94 EB AT JOHNSON CREEK-S2	---	195	800	---	---
879+15 - 891+73	R/L	IH 94 WB AT JOHNSON CREEK-S2	---	120	490	---	---
892+81 - 908+75	R/L	IH 94 WB AT JOHNSON CREEK-S2	---	265	1,090	---	---
890+50 - 891+73	R/L	IH 94 EB AT JOHNSON CREEK-S3	---	29	90	---	---
892+81 - 897+50	R/L	IH 94 EB AT JOHNSON CREEK-S3	---	45	140	---	---
890+50 - 890+50	R/L	IH 94 WB AT JOHNSON CREEK-S3	---	10	30	---	---
892+81 - 896+50	R/L	IH 94 WB AT JOHNSON CREEK-S3	---	30	90	---	---
		PROJECT TOTALS	395	1,846	6,600	730	15
PROJECT 1067-02-75							
46+25 - 49+31	R/L	CTH D	---	50	---	240	---
51+40 - 54+68	R/L	CTH D	---	51	---	250	---
45+25 - 49+30	R/L	CTH X	---	74	---	360	---
51+39 - 56+50	R/L	CTH X	---	85	---	410	---
		PROJECT TOTALS	0	260	0	1,260	0
		COMBINED TOTALS	395	2,106	6,600	1,990	15

*ADDITIONAL QUANTITY SHOWN ON ASPHALTIC ITEMS-RUMBLE STRIP TABLE

ASPHALTIC ITEMS - RUMBLE STRIPS

STAGE	STATION TO STATION	LOCATION	204.0120 REMOVING ASPHALTIC SURFACE MILLING**	455.0605 TACK COAT ***	465.0110 ASPHALTIC SURFACE PATCHING	465.0400 ASPHALTIC SHOULDER RUMBLE STRIP	416.1100 CONCRETE SHOULDER RUMBLE STRIP
PROJECT 1067-02-74							
1	866+75 - 916+00	EB OUTSIDE SHOULDER	1,081	76	109	---	---
	871+00 - 920+25	WB OUTSIDE SHOULDER	1,081	76	109	---	---
	1002+00 - 1059+75	WB OUTSIDE SHOULDER	1,254	88	127	---	---
4	866+75 - 916+00	EB OUTSIDE SHOULDER	---	---	---	---	4,865
	871+00 - 920+25	WB OUTSIDE SHOULDER	---	---	---	---	4,865
	1009+20 - 1048+45	WB INSIDE SHOULDER	---	---	---	3,795	---
5	878+20 - 905+60	EB INSIDE SHOULDER	---	---	---	2,680	---
	882+40 - 908+70	WB INSIDE SHOULDER	---	---	---	2,570	---
	1002+00 - 1059+75	WB OUTSIDE SHOULDER	---	---	---	---	5,645
		PROJECT TOTALS	3,417	239	345	9,045	15,375

NOTES:

** REMOVING ASPHALTIC SURFACE MILLING AND ASPHALTIC SURFACE PATCHING WIDTH = 2' AND DEPTH = 1.75"

*** QUANTITIES ELSEWHERE ON PLANS

Addendum No. 01
 ID 1067-02-74/75
 Revised Sheet 103
 October 31, 2019

STATION TO STATION	STRUCT	ROADWAY	LOCATION	204.0165 REMOVING GUARDRAIL	614.2300 MGS GUARDRAIL 3		614.2340 MGS GUARDRAIL 3 L Δ	614.2500 MGS THRIE BEAM TRANSITION	614.2610 MGS GUARDRAIL TERMINAL EAT		614.2620 MGS GUARDRAIL TERMINAL TYPE 2	
					LF	EA			EA	EA		
PROJECT 1067-02-74												
348+39 - 351+96		HILLSIDE	RT	77	237.5	25	25	---	---	2	---	
348+87 - 352+43		HILLSIDE	LT	227	237.5	25	25	---	---	2	---	
1032+20 - 1035+30	B-28-188	IH 94 WB AT HILLSIDE-S2	RT	310	---	---	---	---	---	---	---	
1020+63 - 1030+95	B-28-188	IH 94 WB AT HILLSIDE-S3	LT	1034	1000	---	---	39.4	---	---	1	
1032+52 - 1035+19	B-28-188	IH 94 WB AT HILLSIDE-S3	LT	285	175	---	---	39.4	---	1	---	
1032+52 - 1033+57	B-28-188	IH 94 WB AT HILLSIDE-S4	RT	---	12.5	---	---	39.4	---	1	---	
887+97 - 887+02		IH 94 EB AT JOHNSON CREEK-S2	LT	338	612.5	---	---	39.4	---	1	---	
900+50 - 905+00		IH 94 EB AT JOHNSON CREEK-S2	LT	---	400	---	---	39.4	---	---	1	
883+10 - 887+02		IH 94 WB AT JOHNSON CREEK-S2	RT	---	350	---	---	39.4	---	---	1	
900+50 - 907+50		IH 94 WB AT JOHNSON CREEK-S2	RT	335	612.5	---	---	39.4	---	1	---	
889+42 - 892+10		IH 94 EB AT JOHNSON CREEK-S3	RT	310	175	---	---	39.4	---	1	---	
892+44 - 895+12		IH 94 WB AT JOHNSON CREEK-S3	LT	307	175	---	---	39.4	---	1	---	
PROJECT TOTALS				3223	3987.5	50	50	354.6	10	18	3	
PROJECT 1067-02-75												
47+09 - 49+24		CTH D	RT	210	125	---	---	39.4	---	1	---	
47+59 - 49+24		CTH D	LT	160	75	---	---	39.4	---	1	---	
51+47 - 53+12		CTH D	RT	122	75	---	---	39.4	---	1	---	
51+47 - 53+50		CTH D	LT	197	112.5	---	---	39.4	---	1	---	
46+45 - 49+24		CTH X	RT	285	187.5	---	---	39.4	---	1	---	
48+21 - 49+24		CTH X	LT	85	12.5	---	---	39.4	---	1	---	
51+47 - 55+11		CTH X	RT	90	275	---	---	39.4	---	1	---	
51+47 - 55+73		CTH X	LT	323	337.5	---	---	39.4	---	1	---	
PROJECT TOTALS				1,472	1,200	0	0	315	8	0	0	
COMBINED TOTALS				4,695	5,188	50	50	670	18	3	3	

Δ MGS GUARDRAIL 3 L TO BE PLACED IN FRONT OF PIERS FOR B-28-30

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

Addendum No. 01
 ID 1067-02-74/75
 Revised Sheet 107
 October 31, 2019

TRAFFIC CONTROL

STAGE	LOCATION	EST. SERVICE PERIOD DAYS	643.0300 DRUMS NO	643.0420 BARRICADES TYPE III NO	643.0705 WARNING LIGHTS TYPE A NO	643.0715 WARNING LIGHTS TYPE C NO	643.0800 ARROW BOARDS NO	643.0900 SIGNS COVERING NO	643.0920 TYPE II SIGN EACH	643.1050 TRAFFIC CONTROL SIGNS NO	643.5000 TRAFFIC CONTROL EACH	REMARKS						
PROJECT 1067-02-74																		
CATEGORY 0010																		
---	PROJECT 1067-02-74	---	---	---	---	---	---	---	---	---	1							
1	JOHNSON CREEK - IH 94 EASTBOUND	5	88	440	5	25	10	50	15	75	2	10	25	125	0	1	7	---
1	JOHNSON CREEK - IH 94 WESTBOUND	5	90	450	5	25	10	50	15	75	2	10	18	90	0	---	---	---
1	HILLSIDE DRIVE - IH 94 WESTBOUND	5	98	490	5	25	10	50	15	75	2	10	20	100	0	1	7	---
2	JOHNSON CREEK - IH 94 EASTBOUND	75	16	1,200	1	75	9	675	---	---	---	---	---	19	1,425	0	---	---
2	JOHNSON CREEK - IH 94 WESTBOUND	75	16	1,200	1	75	9	675	---	---	---	---	---	14	1,050	0	---	---
2	HILLSIDE DRIVE - IH 94 WESTBOUND	90	16	1,440	1	90	9	810	---	---	---	---	---	17	1,530	0	---	---
2	HILLSIDE DRIVE	90	---	---	14	1,260	28	2,520	---	---	---	---	---	12	1,080	0	---	---
3	JOHNSON CREEK - IH 94 EASTBOUND	75	36	2,700	3	225	4	300	19	1,425	---	---	---	19	1,425	0	---	---
3	JOHNSON CREEK - IH 94 WESTBOUND	75	36	2,700	3	225	4	300	19	1,425	---	---	---	12	900	0	---	---
3	HILLSIDE DRIVE - IH 94 WESTBOUND	90	36	3,240	3	270	4	360	19	1,710	---	---	---	17	1,530	0	---	---
3	HILLSIDE DRIVE	90	---	---	14	1,260	28	2,520	---	---	---	---	---	12	1,080	0	---	---
4	JOHNSON CREEK - IH 94 EASTBOUND	3	78	231	4	12	8	24	16	48	2	6	23	69	0	---	---	---
4	JOHNSON CREEK - IH 94 WESTBOUND	3	83	249	4	12	8	24	16	45	2	6	19	57	0	---	---	---
4	HILLSIDE DRIVE - IH 94 WESTBOUND	20	16	320	1	20	9	180	---	---	---	---	---	17	340	0	---	---
4	HILLSIDE DRIVE	20	---	---	14	280	28	560	---	---	---	---	---	12	240	0	---	---
5	JOHNSON CREEK - IH 94 EASTBOUND	3	87	261	5	15	10	30	15	45	2	6	25	75	0	---	---	---
5	JOHNSON CREEK - IH 94 WESTBOUND	3	89	267	4	12	8	24	15	45	2	6	17	51	0	---	---	---
5	HILLSIDE DRIVE - IH 94 WESTBOUND	3	97	291	5	15	10	30	15	45	2	6	20	60	0	---	---	---
---	UNDISTRIBUTED	---	1518	---	391	915	497	---	---	---	---	---	---	1117	0	28	0	0
CATEGORY 0010 TOTALS			17,000	4,312	10,097	5,510	65	12,344	0	42	1							
PROJECT 1167-02-74 TOTALS			17,000	4,312	10,097	5,510	65	12,344	0	42	1							

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

PROJECT NO: 1067-02-74/75

HWY: IH 94

COUNTY: JEFFERSON

MISCELLANEOUS QUANTITIES

SHEET 107

E

Addendum No. 01
ID 1067-02-74/75
Revised Sheet 111
October 31, 2019

PAVEMENT MARKING

STATION TO STATION	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH (WHITE)		646.1545 MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (YELLOW)		646.1545 MARKING LINE GROOVED WET CONTRAST PERMANENT TAPE 4-INCH (WHITE)		646.6464 COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)		646.6464 COLD WEATHER MARKING EPOXY 4-INCH (WHITE)		REMARKS
		LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	
PROJECT 1067-02-74												
866+75 - 916+00	JOHNSON CREEK - IH 94 EASTBOUND	--	--	4,925	--	--	--	--	--	--	--	INSIDE LANE LINE
866+75 - 916+00	JOHNSON CREEK - IH 94 EASTBOUND	--	--	--	--	1,231	--	--	--	--	--	CENTER SKIP
866+75 - 916+00	JOHNSON CREEK - IH 94 EASTBOUND	--	--	--	4,925	--	--	--	--	--	--	OUTSIDE LANE LINE
871+00 - 920+25	JOHNSON CREEK - IH 94 WESTBOUND	--	--	4,925	--	1,231	--	--	--	--	--	INSIDE LANE LINE
871+00 - 920+25	JOHNSON CREEK - IH 94 WESTBOUND	--	--	--	--	--	--	--	--	--	--	CENTER SKIP
871+00 - 920+25	JOHNSON CREEK - IH 94 WESTBOUND	--	--	4,925	--	--	--	--	--	--	--	OUTSIDE LANE LINE
1002+00 - 1059+75	HILLSIDE DRIVE - IH 94 WESTBOUND	--	--	5,775	--	1,444	--	5,775	--	1,444	--	INSIDE LANE LINE
1002+00 - 1059+75	HILLSIDE DRIVE - IH 94 WESTBOUND	--	--	--	--	1,444	--	5,775	--	1,444	--	CENTER SKIP
1002+00 - 1059+75	HILLSIDE DRIVE - IH 94 WESTBOUND	--	--	5,775	--	--	--	5,775	--	5,775	--	OUTSIDE LANE LINE
347+50 - 353+03	HILLSIDE DRIVE	1,106	1,106	--	--	--	--	1,106	--	1,106	--	OUTSIDE LANE LINE
	SUBTOTALS	1,106	1,106	15,625	15,625	3,906	--	6,881	--	8,325	--	
	PROJECT TOTALS		2,212		31,250		3,906		15,206		15,206	
PROJECT 1067-02-75												
45+25 - 56+50	CTH X	1,691	2,250	--	--	--	--	--	--	--	--	
46+25 - 54+68	CTH D	1,686	1,686	--	--	--	--	--	--	--	--	
	SUBTOTALS	3,377	3,936	0	0	0	0	0	0	0	0	
	PROJECT TOTALS		7,313		0		0		0		0	
	COMBINED TOTALS		9,525		31,250		3,906		15,206		15,206	

CONSTRUCTION STAKING

STATION TO STATION	LOCATION	650.4000 CONSTRUCTION STAKING STORM SEWER EACH		650.4500 CONSTRUCTION STAKING SUBGRADE LF		650.5000 CONSTRUCTION STAKING BASE LF		650.6000 CONSTRUCTION STAKING CULVERT PIPES EACH		650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT LF		650.7500 CONSTRUCTION STAKING CONCRETE BARRIER LF		650.9910 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL LS		650.9920 CONSTRUCTION STAKING SLOPE STAKES LF			
		LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	
PROJECT 1067-02-74																			
878+25 - 892+07	IH 94 EB	8	1,382	8	1,382	1,382	1,382	---	---	157	---	507	---	---	---	---	---	1,382	
882+40 - 892+07	IH 94 WB	4	967	4	967	967	967	---	---	157	---	300	---	---	---	---	---	967	
892+47 - 905+60	IH 94 EB	---	1,313	---	1,313	1,313	1,313	---	---	403	---	803	---	---	---	---	---	1,313	
892+47 - 908+00	IH 94 WB	---	1,553	---	1,553	1,553	1,553	---	---	503	---	250	---	---	---	---	---	1,553	
1009+20 - 1031+18	IH 94 WB	---	2,198	---	2,198	2,198	2,198	---	---	1,268	---	---	---	---	---	---	---	2,198	
1032+28 - 1048+45	IH 94 WB	---	1,617	---	1,617	1,617	1,617	---	---	272	---	---	---	---	---	---	---	1,617	
347+50 - 353+03	HILLSIDE	---	553	---	553	553	553	---	---	---	---	---	---	---	---	---	---	553	
	IH 94	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	PROJECT TOTALS	12	9,583	12	9,583	9,583	9,583	---	---	2,760	---	1,860	---	---	---	---	---	9,583	
PROJECT 1067-2-75																			
45+25 - 56+50	CTH X	---	1,125	---	1,125	1,125	1,125	---	---	---	---	---	---	---	---	---	---	1,125	
46+25 - 54+68	CTH D	---	843	---	843	843	843	---	---	---	---	---	---	---	---	---	---	843	
	PROJECT TOTALS	0	1,968	0	1,968	1,968	1,968	0	0	0	0	0	0	0	0	0	0	1,968	
	COMBINED TOTALS	12	11,551	12	11,551	11,551	11,551	3	3	2,760	---	1,860	---	---	---	---	---	11,551	

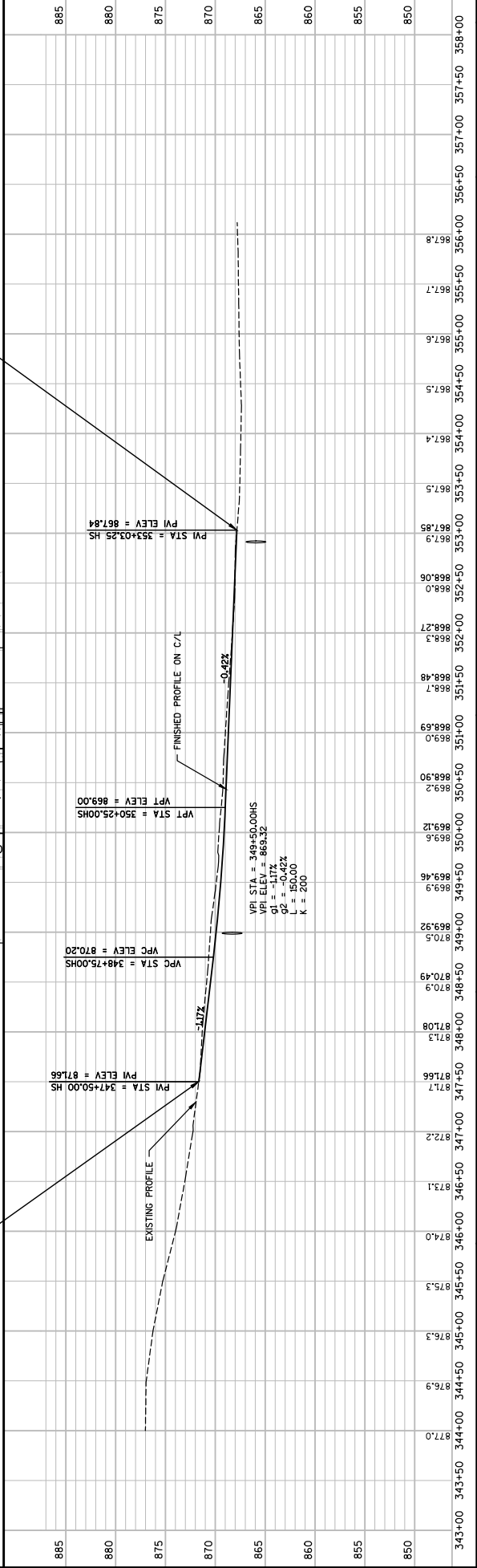
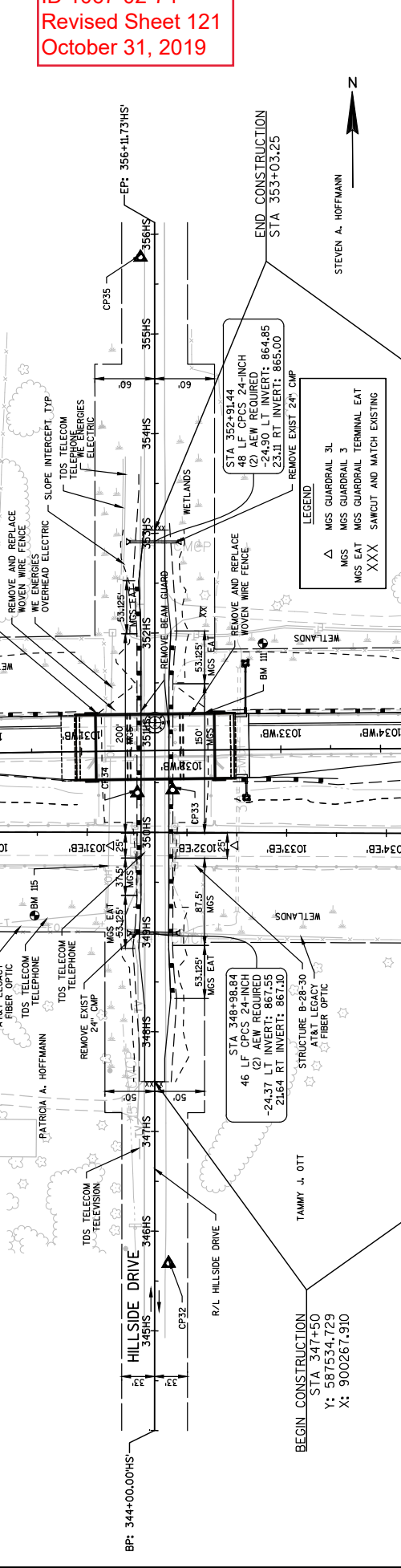
ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

Addendum No. 01
 ID 1067-02-74
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NO.	STATION	DESCRIPTION	BENCH MARKS	ELEV.
BH10334-22	22	WE DISC ON EXIST. WING		885.46
BH10334-22	22	EE' DISC ON EXIST. WING		888.46
BH10334-22	22	EE' DISC ON EXIST. WING		888.46

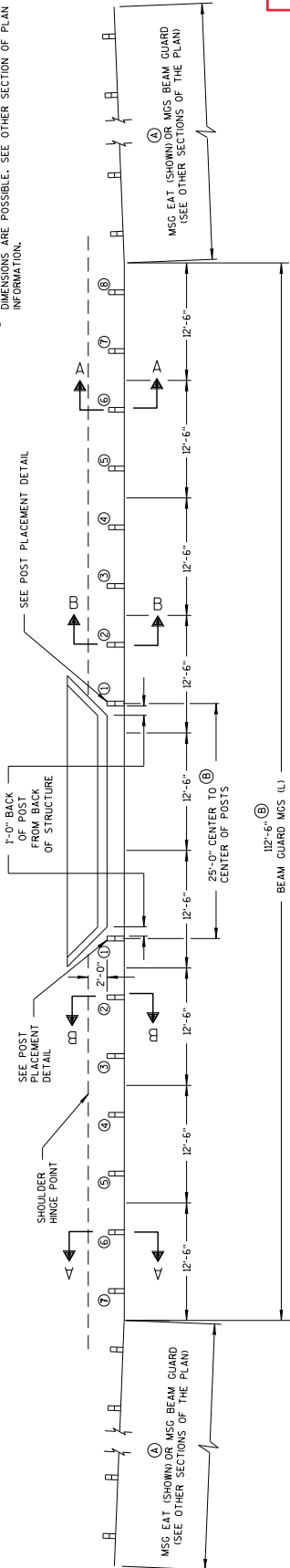
NO.	STATION	DESCRIPTION	NORTHING	EASTING	ELEV.
CP23446+16.72	HS, 14.00	RT	587352.939	3002812.49	873.96
CP23500+42.61	HS, 17.78	RT	587352.939	3002812.49	867.42
CP23500+39.10	HS, 17.54	LT	587352.939	3002812.49	869.53
CP23535+76.86	HS, 14.18	LT	588856.168	3002562.233	867.29



GENERAL NOTES

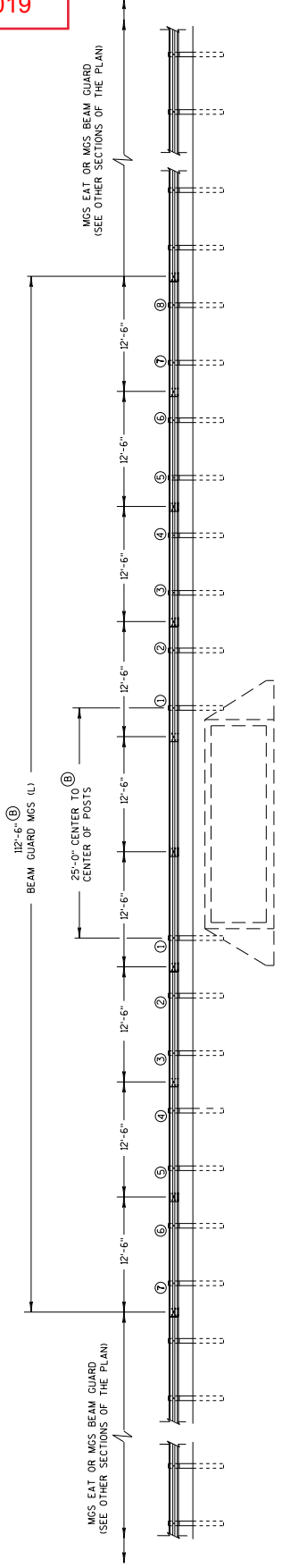
POSTS 1 THROUGH 3 ARE CRT POSTS.
ALL OTHER POSTS SHALL BE WOOD ON STEEL.
SEE SDD 14 B 42 FOR MORE DETAILS.

- Ⓐ FLARE FOR MGS EAT SHOWN, IF INSTALLING MGS NO FLARE NEEDED.
- Ⓑ VALUES SHOWN ON DRAWING REPRESENT THE MAXIMUM LENGTH, SHORTER DIMENSIONS ARE POSSIBLE. SEE OTHER SECTION OF PLAN FOR MORE INFORMATION.



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ID 1067-02-74
Added Sheet 172A
October 31, 2019

PLAN VIEW
DIRECTION OF TRAVEL



ELEVATION VIEW
DIRECTION OF TRAVEL

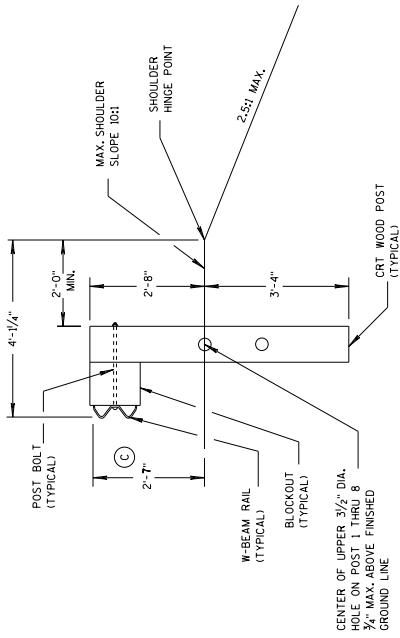
MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L) TWO-WAY TRAFFIC

MIDWEST GUARDRAIL SYSTEM
LONG SPAN MGS (L)

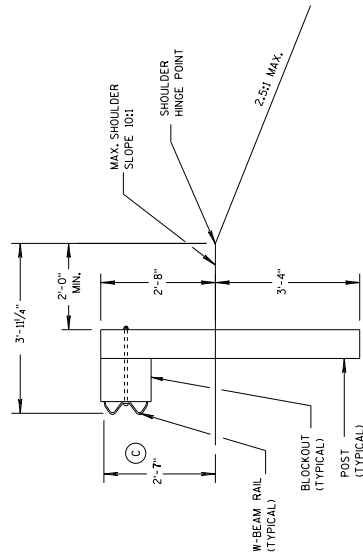
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

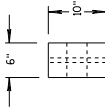
(C) TOLERANCE FOR TOP OF W-BEAM RAIL IS $\pm 1'$.



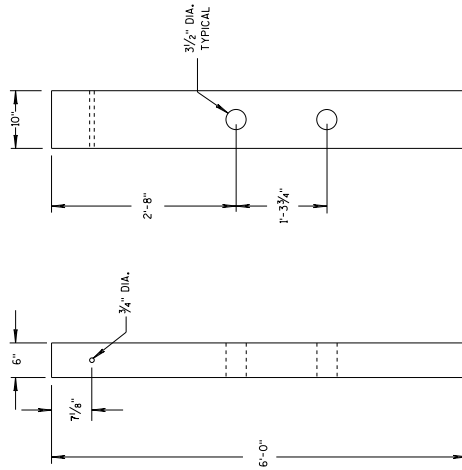
**SECTION B-B
POSTS NO. 1-3**
SEE OTHER DETAILS



**SECTION A-A
POSTS NO. 4-8**
SEE OTHER DETAILS



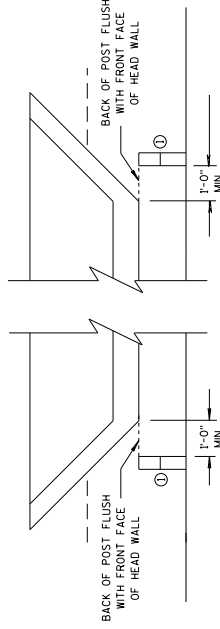
PLAN VIEW



FRONT VIEW

SIDE VIEW

CRT WOOD POST

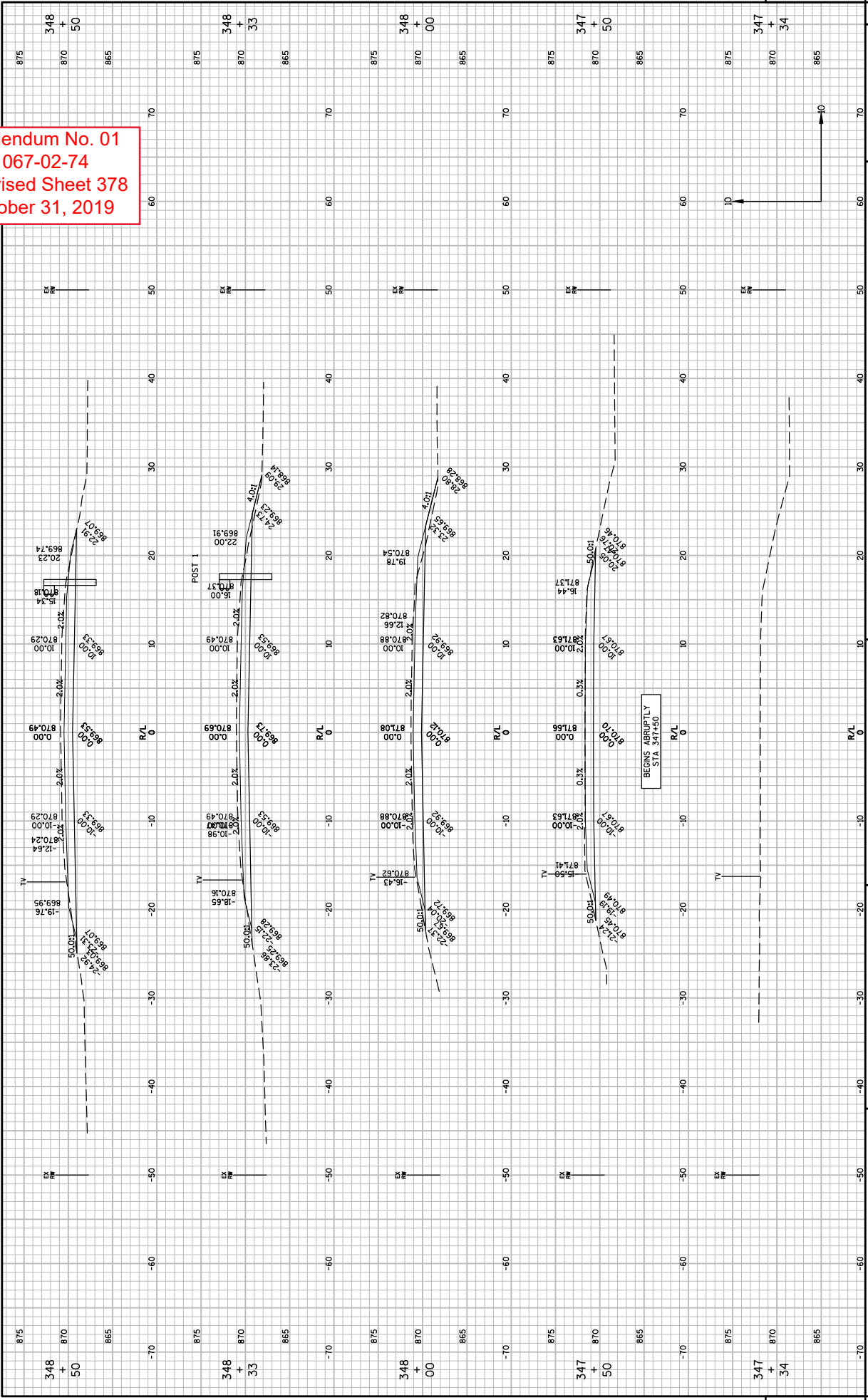


POST PLACEMENT DETAIL

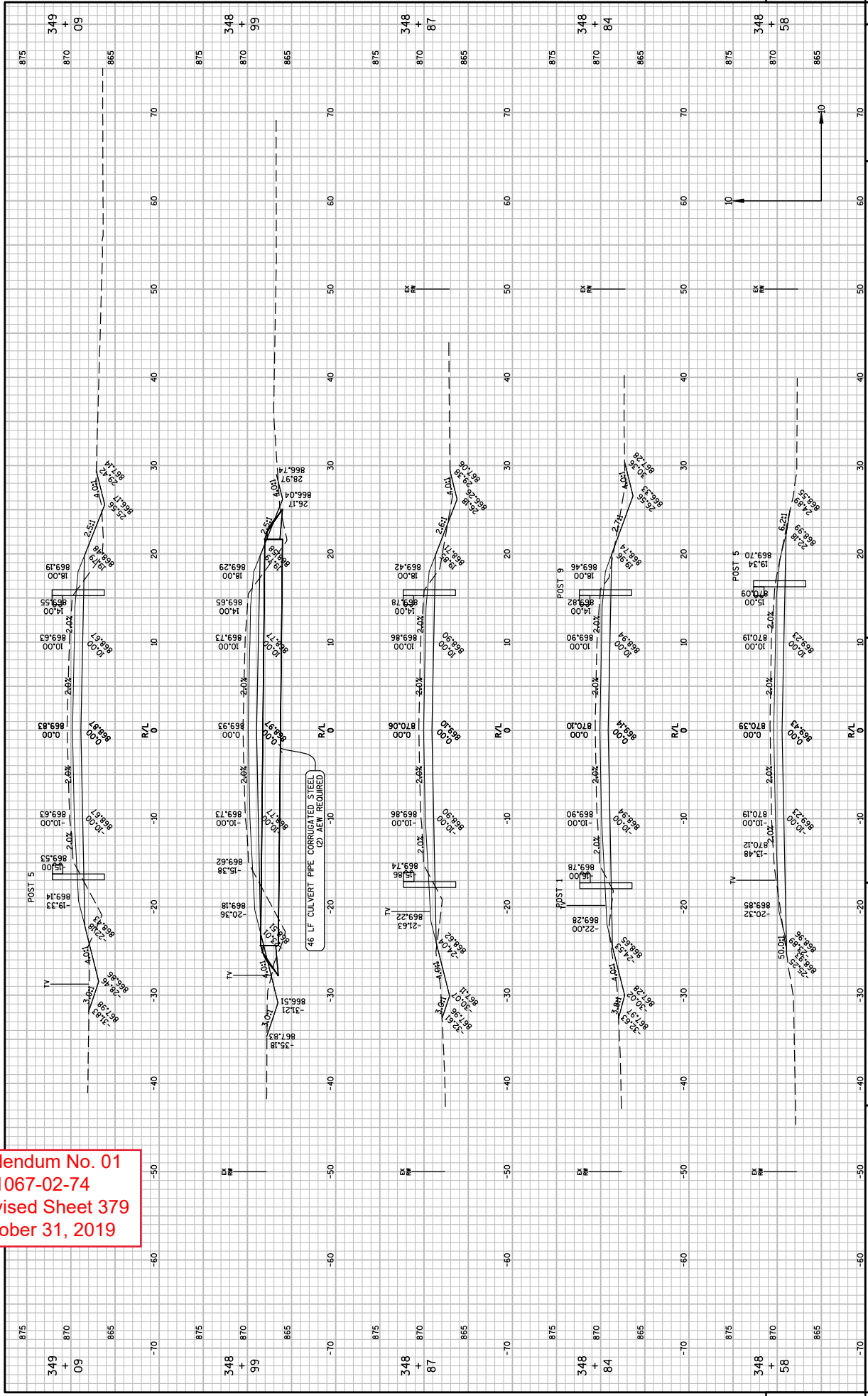
Addendum No. 01
ID 1067-02-74
Added Sheet 172B
October 31, 2019

MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVED /S/ Rodney Taylor DATE 07/2018 ROADWAY STANDARDS DEVELOPMENT ENGINEER FHWA

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 October 31, 2019



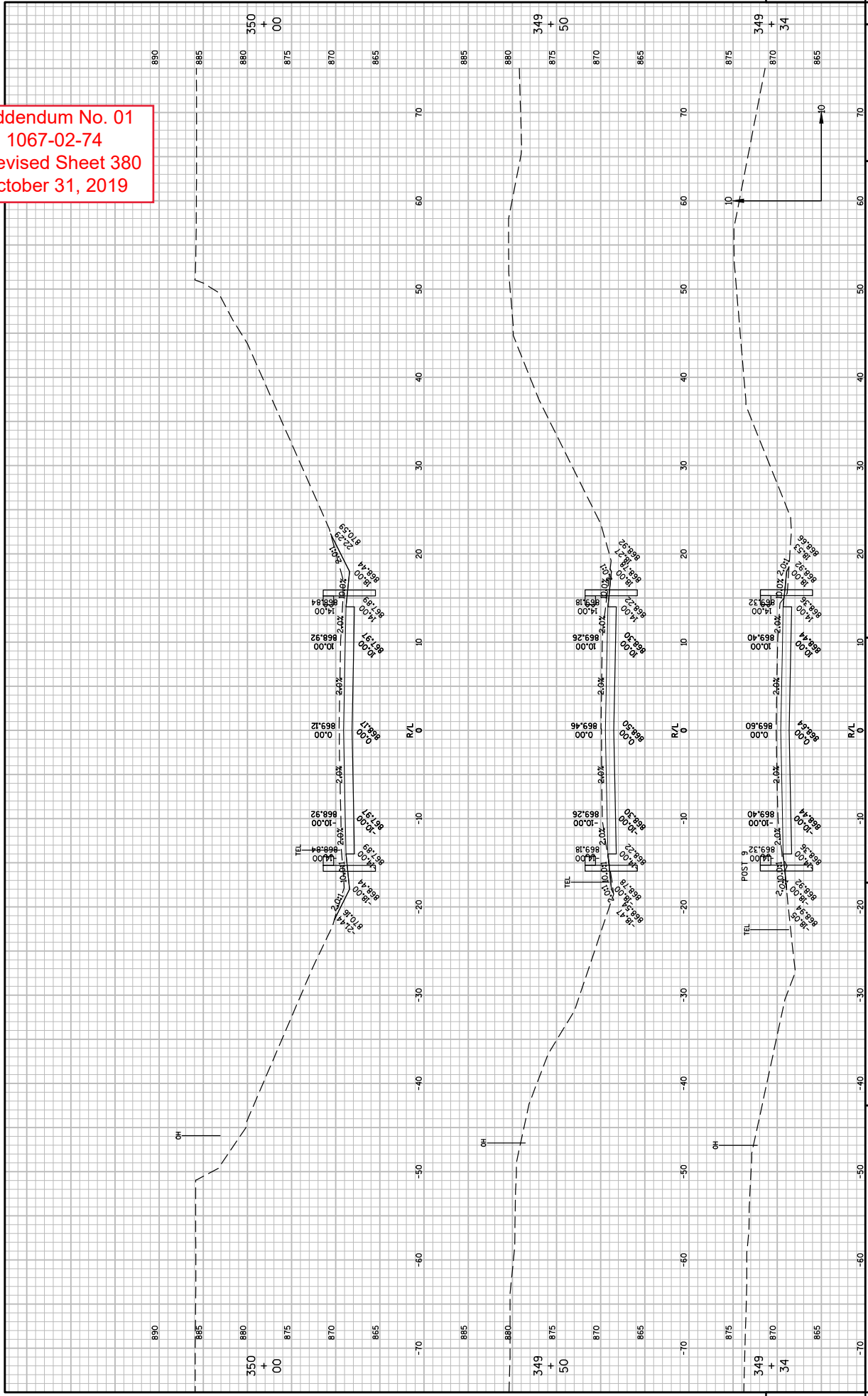
Addendum No. 01
 ID 1067-02-74
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 October 31, 2019

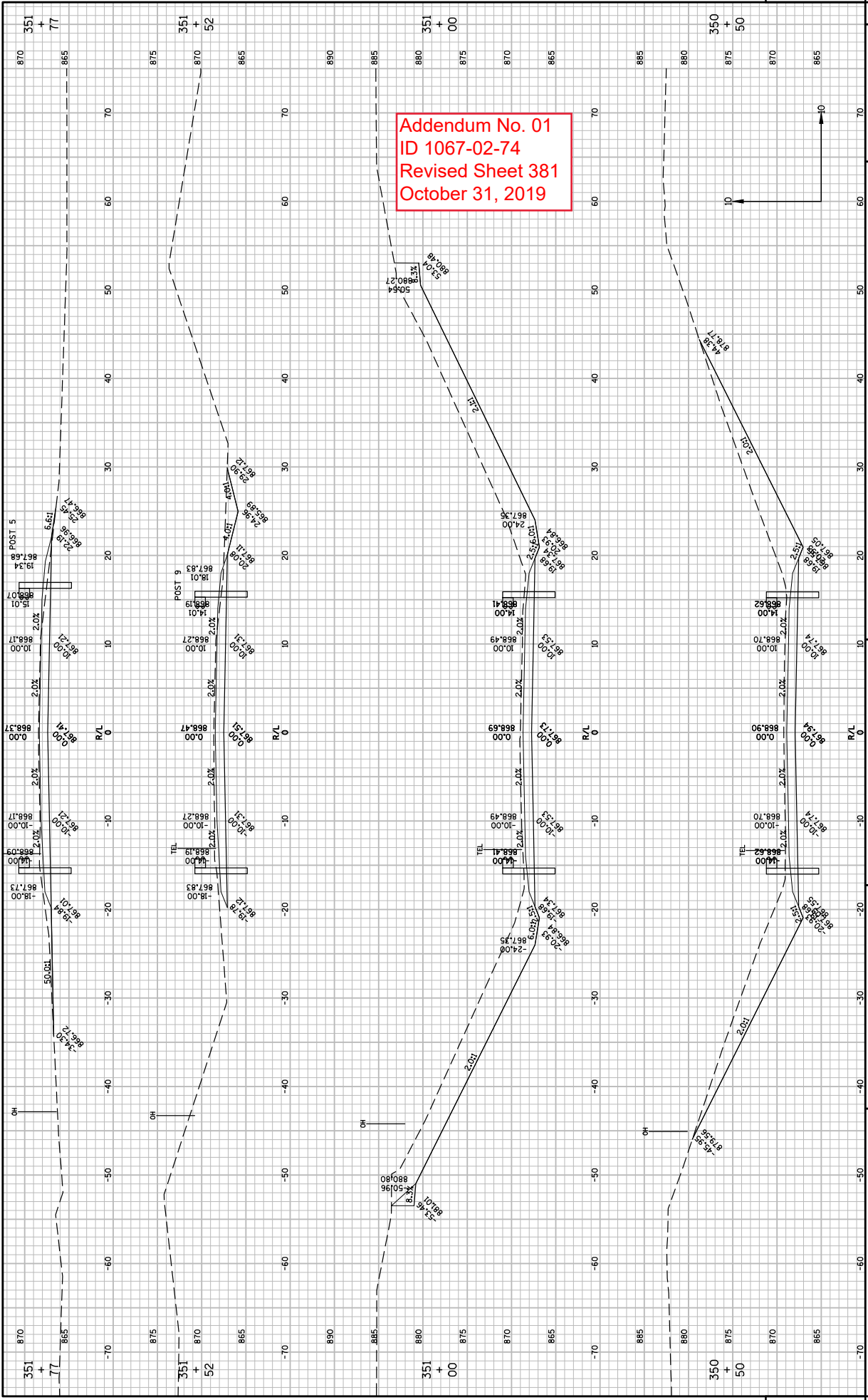


9

9

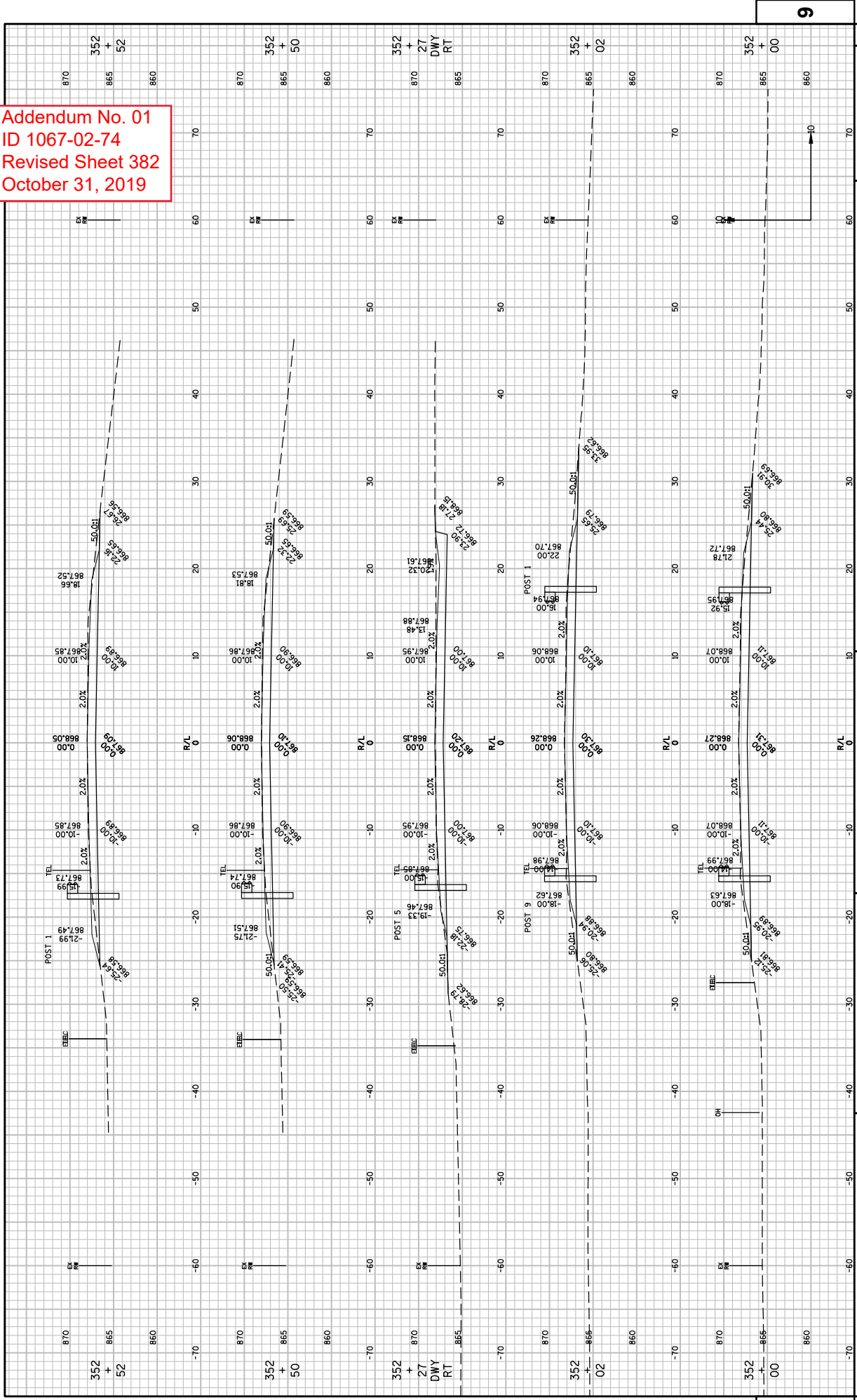
Addendum No. 01
 ID 1067-02-74
 Revised Sheet 380
 October 31, 2019



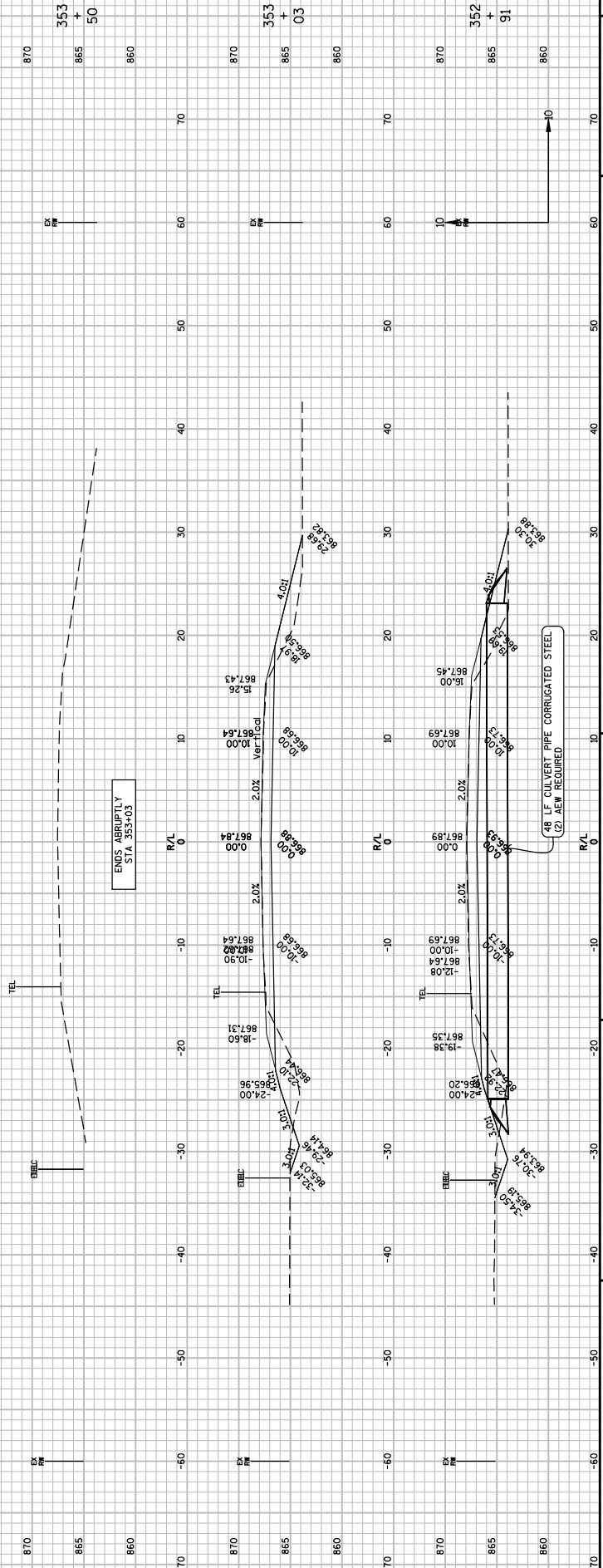


Addendum No. 01
 ID 1067-02-74
 Revised Sheet 381
 October 31, 2019

Addendum No. 01
 ID 1067-02-74
 Revised Sheet 382
 October 31, 2019



Addendum No. 01
 ID 1067-02-74
 Revised Sheet 383
 October 31, 2019





Proposal Schedule of Items

Proposal ID: 20191112002 Project(s): 1067-02-74, 1067-02-75

Federal ID(s): WISC 2019671, WISC 2019672

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0002	201.0105 Clearing	8.000 STA	_____.	_____.
0004	201.0205 Grubbing	8.000 STA	_____.	_____.
0006	203.0100 Removing Small Pipe Culverts	3.000 EACH	_____.	_____.
0008	203.0200 Removing Old Structure (station) 01. 50+32'X'	LS	LUMP SUM	_____.
0010	203.0200 Removing Old Structure (station) 02. 50+32'D'	LS	LUMP SUM	_____.
0012	203.0200 Removing Old Structure (station) 03. 1031"WB'+74	LS	LUMP SUM	_____.
0014	203.0210.S Abatement of Asbestos Containing Material (structure) 01. B-28-25	LS	LUMP SUM	_____.
0016	203.0210.S Abatement of Asbestos Containing Material (structure) 02. B-28-27	LS	LUMP SUM	_____.
0018	203.0225.S Debris Containment (structure) 01. B-28- 25	LS	LUMP SUM	_____.
0020	203.0225.S Debris Containment (structure) 02. B-28- 27	LS	LUMP SUM	_____.
0022	203.0600.S Removing Old Structure Over Waterway With Minimal Debris (station) 01. 892 EB+27	LS	LUMP SUM	_____.
0024	203.0600.S Removing Old Structure Over Waterway With Minimal Debris (station) 02. 892 WB+27	LS	LUMP SUM	_____.
0026	204.0110 Removing Asphaltic Surface	4,950.000 SY	_____.	_____.
0028	204.0120 Removing Asphaltic Surface Milling	3,417.000 SY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20191112002 Project(s): 1067-02-74, 1067-02-75

Federal ID(s): WISC 2019671, WISC 2019672

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0030	204.0165 Removing Guardrail	4,695.000 LF	_____.	_____.
0032	204.0170 Removing Fence	410.000 LF	_____.	_____.
0034	204.0180 Removing Delineators and Markers	7.000 EACH	_____.	_____.
0036	204.0190 Removing Surface Drains	2.000 EACH	_____.	_____.
0038	204.0270 Abandoning Culvert Pipes	5.000 EACH	_____.	_____.
0040	205.0100 Excavation Common	27,762.000 CY	_____.	_____.
0042	206.1000 Excavation for Structures Bridges (structure) 01. B-28-25	LS	LUMP SUM	_____.
0044	206.1000 Excavation for Structures Bridges (structure) 02. B-28-27	LS	LUMP SUM	_____.
0046	206.1000 Excavation for Structures Bridges (structure) 03. B-28-188	LS	LUMP SUM	_____.
0048	206.1000 Excavation for Structures Bridges (structure) 04. B-28-189	LS	LUMP SUM	_____.
0050	206.1000 Excavation for Structures Bridges (structure) 05. B-28-190	LS	LUMP SUM	_____.
0052	208.0100 Borrow	693.000 CY	_____.	_____.
0054	210.1500 Backfill Structure Type A	1,278.000 TON	_____.	_____.
0056	213.0100 Finishing Roadway (project) 01. 1067-02-74	1.000 EACH	_____.	_____.
0058	213.0100 Finishing Roadway (project) 02. 1067-02-75	1.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20191112002 Project(s): 1067-02-74, 1067-02-75

Federal ID(s): WISC 2019671, WISC 2019672

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0060	305.0110 Base Aggregate Dense 3/4-Inch	4,150.000 TON	_____	_____
0062	305.0120 Base Aggregate Dense 1 1/4-Inch	32,670.000 TON	_____	_____
0064	305.0500 Shaping Shoulders	37.000 STA	_____	_____
0066	312.0110 Select Crushed Material	41,750.000 TON	_____	_____
0068	415.0120 Concrete Pavement 12-Inch	7,370.000 SY	_____	_____
0070	415.0410 Concrete Pavement Approach Slab	612.000 SY	_____	_____
0072	416.0610 Drilled Tie Bars	10.000 EACH	_____	_____
0074	416.1010 Concrete Surface Drains	29.000 CY	_____	_____
0076	416.1110 Concrete Shoulder Rumble Strips	15,375.000 LF	_____	_____
0078	455.0605 Tack Coat	2,345.000 GAL	_____	_____
0080	460.2000 Incentive Density HMA Pavement	6,530.000 DOL	1.00000	6,530.00
0082	460.5224 HMA Pavement 4 LT 58-28 S	1,990.000 TON	_____	_____
0084	460.6223 HMA Pavement 3 MT 58-28 S	6,600.000 TON	_____	_____
0086	465.0110 Asphaltic Surface Patching	345.000 TON	_____	_____
0088	465.0120 Asphaltic Surface Driveways and Field Entrances	15.000 TON	_____	_____
0090	465.0400 Asphaltic Shoulder Rumble Strips	9,045.000 LF	_____	_____



Proposal Schedule of Items

Proposal ID: 20191112002 Project(s): 1067-02-74, 1067-02-75

Federal ID(s): WISC 2019671, WISC 2019672

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0092	502.0100 Concrete Masonry Bridges	2,566.000 CY	_____.	_____.
0094	502.3100 Expansion Device (structure) 01. B-28-25	LS	LUMP SUM	_____.
0096	502.3100 Expansion Device (structure) 02. B-28-27	LS	LUMP SUM	_____.
0098	502.3200 Protective Surface Treatment	3,642.000 SY	_____.	_____.
0100	502.3210 Pigmented Surface Sealer	642.000 SY	_____.	_____.
0102	502.4205 Adhesive Anchors No. 5 Bar	240.000 EACH	_____.	_____.
0104	502.4206 Adhesive Anchors No. 6 Bar	422.000 EACH	_____.	_____.
0106	503.0136 Prestressed Girder Type I 36-Inch	272.000 LF	_____.	_____.
0108	505.0400 Bar Steel Reinforcement HS Structures	30,100.000 LB	_____.	_____.
0110	505.0600 Bar Steel Reinforcement HS Coated Structures	417,290.000 LB	_____.	_____.
0112	505.0800.S Bar Steel Reinforcement HS Stainless Structures 01. B-28-188	620.000 LB	_____.	_____.
0114	505.0800.S Bar Steel Reinforcement HS Stainless Structures 02. B-28-189	580.000 LB	_____.	_____.
0116	505.0800.S Bar Steel Reinforcement HS Stainless Structures 03. B-28-190	580.000 LB	_____.	_____.
0118	505.0904 Bar Couplers No. 4	8.000 EACH	_____.	_____.
0120	505.0905 Bar Couplers No. 5	264.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20191112002 Project(s): 1067-02-74, 1067-02-75

Federal ID(s): WISC 2019671, WISC 2019672

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0122	505.0908 Bar Couplers No. 8	84.000 EACH	_____.	_____.
0124	505.0909 Bar Couplers No. 9	14.000 EACH	_____.	_____.
0126	506.2605 Bearing Pads Elastomeric Non-Laminated	8.000 EACH	_____.	_____.
0128	506.4000 Steel Diaphragms (structure) 01. B-28-25	16.000 EACH	_____.	_____.
0130	506.4000 Steel Diaphragms (structure) 02. B-28-27	16.000 EACH	_____.	_____.
0132	509.1500 Concrete Surface Repair	90.000 SF	_____.	_____.
0134	511.1200 Temporary Shoring (structure) 01. B-28-188	1,720.000 SF	_____.	_____.
0136	511.1200 Temporary Shoring (structure) 02. B-28-189	750.000 SF	_____.	_____.
0138	511.1200 Temporary Shoring (structure) 03. B-28-190	670.000 SF	_____.	_____.
0140	516.0500 Rubberized Membrane Waterproofing	138.000 SY	_____.	_____.
0142	520.1024 Apron Endwalls for Culvert Pipe 24-Inch	4.000 EACH	_____.	_____.
0144	521.1012 Apron Endwalls for Culvert Pipe Steel 12-Inch	6.000 EACH	_____.	_____.
0146	521.1018 Apron Endwalls for Culvert Pipe Steel 18-Inch	3.000 EACH	_____.	_____.
0148	521.3118 Culvert Pipe Corrugated Steel 18-Inch	84.000 LF	_____.	_____.
0150	521.3124 Culvert Pipe Corrugated Steel 24-Inch	98.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20191112002 Project(s): 1067-02-74, 1067-02-75

Federal ID(s): WISC 2019671, WISC 2019672

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0152	522.1018 Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	2.000 EACH	_____.	_____.
0154	550.0500 Pile Points	10.000 EACH	_____.	_____.
0156	550.1100 Piling Steel HP 10-Inch X 42 Lb	5,300.000 LF	_____.	_____.
0158	603.1142 Concrete Barrier Type S42	1,100.000 LF	_____.	_____.
0160	603.1242 Concrete Barrier Type S42A	722.000 LF	_____.	_____.
0162	603.8000 Concrete Barrier Temporary Precast Delivered	14,376.000 LF	_____.	_____.
0164	603.8125 Concrete Barrier Temporary Precast Installed	26,876.000 LF	_____.	_____.
0166	604.0500 Slope Paving Crushed Aggregate	647.000 SY	_____.	_____.
0168	606.0200 Riprap Medium	10.000 CY	_____.	_____.
0170	606.0300 Riprap Heavy	176.000 CY	_____.	_____.
0172	608.0312 Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	1,235.000 LF	_____.	_____.
0174	608.0418 Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	161.000 LF	_____.	_____.
0176	611.0642 Inlet Covers Type MS	2.000 EACH	_____.	_____.
0178	611.0654 Inlet Covers Type V	9.000 EACH	_____.	_____.
0180	611.3003 Inlets 3-FT Diameter	9.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20191112002 Project(s): 1067-02-74, 1067-02-75

Federal ID(s): WISC 2019671, WISC 2019672

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Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0182	611.3901 Inlets Median 1 Grate	2.000 EACH	_____.	_____.
0184	611.9900.S Drain Slotted Vane	8.000 EACH	_____.	_____.
0186	612.0212 Pipe Underdrain Unperforated 12-Inch	171.000 LF	_____.	_____.
0188	612.0406 Pipe Underdrain Wrapped 6-Inch	550.000 LF	_____.	_____.
0190	614.0150 Anchor Assemblies for Steel Plate Beam Guard	16.000 EACH	_____.	_____.
0192	614.0905 Crash Cushions Temporary	9.000 EACH	_____.	_____.
0194	614.2300 MGS Guardrail 3	5,187.500 LF	_____.	_____.
0198	614.2500 MGS Thrie Beam Transition	669.800 LF	_____.	_____.
0200	614.2610 MGS Guardrail Terminal EAT	18.000 EACH	_____.	_____.
0202	614.2620 MGS Guardrail Terminal Type 2	3.000 EACH	_____.	_____.
0204	616.0100 Fence Woven Wire (height) 01. 5-FT	410.000 LF	_____.	_____.
0206	618.0100 Maintenance And Repair of Haul Roads (project) 01. 1067-02-74	1.000 EACH	_____.	_____.
0208	618.0100 Maintenance And Repair of Haul Roads (project) 02. 1067-02-75	1.000 EACH	_____.	_____.
0210	619.1000 Mobilization	1.000 EACH	_____.	_____.
0212	624.0100 Water	467.000 MGAL	_____.	_____.
0214	625.0500 Salvaged Topsoil	52,050.000 SY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20191112002 Project(s): 1067-02-74, 1067-02-75

Federal ID(s): WISC 2019671, WISC 2019672

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0216	627.0200 Mulching	10,460.000 SY	_____.	_____.
0218	628.1504 Silt Fence	6,020.000 LF	_____.	_____.
0220	628.1520 Silt Fence Maintenance	6,020.000 LF	_____.	_____.
0222	628.1905 Mobilizations Erosion Control	8.000 EACH	_____.	_____.
0224	628.1910 Mobilizations Emergency Erosion Control	6.000 EACH	_____.	_____.
0226	628.2004 Erosion Mat Class I Type B	40,570.000 SY	_____.	_____.
0228	628.6005 Turbidity Barriers	75.000 SY	_____.	_____.
0230	628.7005 Inlet Protection Type A	2.000 EACH	_____.	_____.
0232	628.7010 Inlet Protection Type B	9.000 EACH	_____.	_____.
0234	628.7504 Temporary Ditch Checks	220.000 LF	_____.	_____.
0236	628.7555 Culvert Pipe Checks	5.000 EACH	_____.	_____.
0238	629.0210 Fertilizer Type B	27.350 CWT	_____.	_____.
0240	630.0130 Seeding Mixture No. 30	358.000 LB	_____.	_____.
0242	630.0140 Seeding Mixture No. 40	545.000 LB	_____.	_____.
0244	630.0200 Seeding Temporary	676.000 LB	_____.	_____.
0246	633.0100 Delineator Posts Steel	5.000 EACH	_____.	_____.
0248	633.0500 Delineator Reflectors	5.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20191112002 Project(s): 1067-02-74, 1067-02-75

Federal ID(s): WISC 2019671, WISC 2019672

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0250	634.0614 Posts Wood 4x6-Inch X 14-FT	8.000 EACH	_____.	_____.
0252	634.0616 Posts Wood 4x6-Inch X 16-FT	1.000 EACH	_____.	_____.
0254	634.0805 Posts Tubular Steel 2x2-Inch X 5-FT	1.000 EACH	_____.	_____.
0256	637.2210 Signs Type II Reflective H	5.180 SF	_____.	_____.
0258	637.2230 Signs Type II Reflective F	24.000 SF	_____.	_____.
0260	638.2102 Moving Signs Type II	4.000 EACH	_____.	_____.
0262	638.2602 Removing Signs Type II	9.000 EACH	_____.	_____.
0264	638.3000 Removing Small Sign Supports	13.000 EACH	_____.	_____.
0266	638.4000 Moving Small Sign Supports	3.000 EACH	_____.	_____.
0268	642.5001 Field Office Type B	1.000 EACH	_____.	_____.
0270	643.0300 Traffic Control Drums	19,166.000 DAY	_____.	_____.
0272	643.0420 Traffic Control Barricades Type III	7,129.000 DAY	_____.	_____.
0274	643.0705 Traffic Control Warning Lights Type A	14,254.000 DAY	_____.	_____.
0276	643.0715 Traffic Control Warning Lights Type C	6,302.000 DAY	_____.	_____.
0278	643.0800 Traffic Control Arrow Boards	171.000 DAY	_____.	_____.
0280	643.0900 Traffic Control Signs	29,127.000 DAY	_____.	_____.
0282	643.0920 Traffic Control Covering Signs Type II	23.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20191112002 Project(s): 1067-02-74, 1067-02-75

Federal ID(s): WISC 2019671, WISC 2019672

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0284	643.1050 Traffic Control Signs PCMS	112.000 DAY	_____.	_____.
0286	643.5000 Traffic Control	1.000 EACH	_____.	_____.
0288	645.0111 Geotextile Type DF Schedule A	436.000 SY	_____.	_____.
0290	645.0120 Geotextile Type HR	336.000 SY	_____.	_____.
0292	645.0130 Geotextile Type R	48.000 SY	_____.	_____.
0294	646.1020 Marking Line Epoxy 4-Inch	9,525.000 LF	_____.	_____.
0296	646.1545 Marking Line Grooved Wet Ref Contrast Epoxy 4-Inch	31,250.000 LF	_____.	_____.
0298	646.1555 Marking Line Grooved Contrast Permanent Tape 4-Inch	3,906.000 LF	_____.	_____.
0300	649.0150 Temporary Marking Line Removable Tape 4-Inch	73,975.000 LF	_____.	_____.
0302	649.0960 Temporary Marking Removable Mask Out Tape 6-Inch	19,530.000 LF	_____.	_____.
0304	650.4000 Construction Staking Storm Sewer	12.000 EACH	_____.	_____.
0306	650.4500 Construction Staking Subgrade	11,551.000 LF	_____.	_____.
0308	650.5000 Construction Staking Base	11,551.000 LF	_____.	_____.
0310	650.6000 Construction Staking Pipe Culverts	3.000 EACH	_____.	_____.
0312	650.6500 Construction Staking Structure Layout (structure) 01. B-28-25	LS	LUMP SUM	_____.



Proposal Schedule of Items

Proposal ID: 20191112002 Project(s): 1067-02-74, 1067-02-75

Federal ID(s): WISC 2019671, WISC 2019672

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0314	650.6500 Construction Staking Structure Layout (structure) 02. B-28-27	LS	LUMP SUM	_____.
0316	650.6500 Construction Staking Structure Layout (structure) 03. B-28-188	LS	LUMP SUM	_____.
0318	650.6500 Construction Staking Structure Layout (structure) 04. B-28-189	LS	LUMP SUM	_____.
0320	650.6500 Construction Staking Structure Layout (structure) 05. B-28-190	LS	LUMP SUM	_____.
0322	650.7000 Construction Staking Concrete Pavement	2,760.000 LF	_____.	_____.
0324	650.7500 Construction Staking Concrete Barrier	1,860.000 LF	_____.	_____.
0326	650.9910 Construction Staking Supplemental Control (project) 01. 1067-02-74	LS	LUMP SUM	_____.
0328	650.9910 Construction Staking Supplemental Control (project) 02. 1067-02-75	LS	LUMP SUM	_____.
0330	650.9920 Construction Staking Slope Stakes	11,551.000 LF	_____.	_____.
0332	690.0150 Sawing Asphalt	2,445.000 LF	_____.	_____.
0334	715.0415 Incentive Strength Concrete Pavement	2,395.000 DOL	1.00000	2,395.00
0336	715.0502 Incentive Strength Concrete Structures	15,396.000 DOL	1.00000	15,396.00
0338	ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR	2,500.000 HRS	5.00000	12,500.00
0340	ASP.1T0G On-the-Job Training Graduate at \$5.00/HR	1,500.000 HRS	5.00000	7,500.00



Proposal Schedule of Items

Proposal ID: 20191112002 Project(s): 1067-02-74, 1067-02-75

Federal ID(s): WISC 2019671, WISC 2019672

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0342	SPV.0060 Special 01. Temporary Pipe Connection	3.000 EACH	_____.	_____.
0344	SPV.0060 Special 02. Verify Landmark Reference Mounments	2.000 EACH	_____.	_____.
0346	SPV.0060 Special 03. Landmark Reference Monuments Special	2.000 EACH	_____.	_____.
0348	SPV.0090 Special 01. Removing Existing Timber Piling	100.000 LF	_____.	_____.
0350	SPV.0180 Special 01. Emulsified Asphalt Median Treatment	340.000 SY	_____.	_____.
0352	450.4000 HMA Cold Weather Paving	395.000 TON	_____.	_____.
0354	614.2340 MGS Guardrail 3 L	50.000 LF	_____.	_____.
0356	646.6464 Cold Weather Marking Epoxy 4-Inch	15,206.000 LF	_____.	_____.
Section: 0001			Total:	_____.
			Total Bid:	_____.