



# Wisconsin Department of Transportation

October 6, 2020

## Division of Transportation Systems Development

Bureau of Project Development  
4822 Madison Yards Way, 4<sup>th</sup> Floor South  
Madison, WI 53705

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

### NOTICE TO ALL CONTRACTORS:

**Proposal #01: 1060-33-84, WISC 2020 466**  
**Zoo IC, USH 45**  
**Swan Blvd to Burleigh Street**  
**USH 45**  
**Milwaukee County**

**1060-34-77**  
**Zoo IC, North Avenue**  
**118<sup>th</sup> Street to 116<sup>th</sup> Street**  
**Loc Str**  
**Milwaukee County**

**1100-18-73, WISC 2021 001**  
**Zoo IC, Polymer Overlays**  
**Zoo IC Mainline Bridges**  
**Var Hwy**  
**Milwaukee County**

**1100-18-76, WISC 2002 467**  
**Zoo I/C Overpasses**  
**Various Locations**  
**Var Hwy**  
**Milwaukee County**

### Letting of October 13, 2020

This is Addendum No. 04, which provides for the following:

#### Special Provisions:

Revised Special Provisions	
Article No.	Description
5	Prosecution and Progress
76	Excavation, Hauling, and Disposal of Petroleum Contaminated Soil, Item 205.0501.S
155	Excavation, Hauling, and Reuse of Low-Level Contaminated Soil, Item SPV.0035.0003
290	Fence Decorative Bridge, Item SPV.0090.4100; Fence Decorative Wall, Item SPV.0090.4105
343	Excavation, Hauling, and Disposal of Low-Level Contaminated Soil, Item SPV.0195.0004

Added Special Provisions	
Article No.	Description
357	Crash Cushions Temporary Low Maintenance, Item SPV.0060.0960
358	Temporary Access Gates at CPRR, Item SPV.0060.0170; Temporary Crossing at CPRR, Item SPV.0060.0171

Deleted Special Provisions	
Article No.	Description
264	Removing Partial Modular Block Retaining Wall, Item SPV.0090.0004

**Schedule of Items:**

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
205.0100	Excavation Common	CY	411,558	30,167	441,725
305.0120	Base Aggregate Dense 1 ¼-Inch	TON	139,850	1,095	140,945
312.0110	Select Crushed Material	TON	238,376	1,281	239,657
455.0605	Tack Coat	GAL	15,347	757	16,104
465.0125	Asphaltic Surface Temporary	TON	26,041	3,184	29,225
501.1000.S	Ice Hot Weather Concreting	LB	120,021	90,000	210,021
603.3675	Concrete Barrier Transition Type V51 to S42	EACH	1	1	2
603.8000	Concrete Barrier Temporary Precast Delivered	LF	86,934	1,095	88,029
603.8125	Concrete Barrier Temporary Precast Installed	LF	138,124	1,095	139,219
614.0805	Crash Cushions Permanent Low Maintenance	EACH	22	-15	7
SPV.0035.0003	Excavation, Hauling, and Reuse of Low-Level Contaminated Soil	CY	12,310	-2,950	9,360
SPV.0180.0101	Concrete Pavement 12-Inch Special	SY	186,659	-28,487	158,172
SPV.0195.0004	Excavation, Hauling, and Disposal of Low-Level Contaminated Soil	TON	39,449	-18,993	20,516

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
450.4000	Cold Weather Paving	TON	0	25,312	25,312
SPV.0060.0170	Temporary Access Gates at CPRR	EACH	0	4	4
SPV.0060.0171	Temporary Crossing at CPRR	EACH	0	2	2
SPV.0060.0960	Crash Cushions Temporary Low Maintenance	EACH	0	22	22

Deleted Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
SPV.0090.0004	Removing Partial Modular Block Retaining Wall	LF	266	-266	0

**Plan Sheets:**

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
44-45	Revised Station limits for Typical Temporary Pavement Sections
46	Added Typical Temporary Pavement Section
47	Revised Station limits for Typical Temporary Pavement Sections
66	Construction Detail – Revised detail notes

134	Plan Detail – Added notes for temporary crossing locations at CPRR
175-176	Added Stage 1A Asphaltic Surface Temporary in the IH 41 median; added HMA shoulder pavement from Stage 2B
177-179	Added HMA shoulder pavement from Stage 2B & 3
180	Added Stage 1A Asphaltic Surface Temporary in the IH 41 median; added HMA shoulder pavement from Stage 3
351	Storm Sewer – Updated backfill slurry detail
374	Revised Note
376	Revised Note
517	Signing Details – Revised text that was not displaying correctly
519	Signing Details – Revised text that was not displaying correctly
709	Revised Pier Barrier Transition Detail to add transition section east of pier
714	Revised Mayfair Road Closure Detail to include Concrete Barrier Temporary Precast and Crash Cushions Temporary Low Maintenance
728	Revised to callout base patching required to remove rumble strips prior to traffic shift Stage 1A
729-730	Revised work zone and lane lines
731	Revised to callout base patching required to remove rumble strips prior to traffic shift Stage 1A
740	Revised Utility Construction note on Stage 1B Overview
747	Revised work zone
801	Added Concrete Barrier Temporary Precast and Crash Cushion Temporary Low Maintenance for SB IH41 near Burleigh – Stage 2A
802	Revised Stage 2B Overview to turn on work zone hatching and fix Station reference on typical section
812	Added Concrete Barrier Temporary Precast and Crash Cushion Temporary Low Maintenance for SB IH41 near Burleigh – Stage 2B
820	Added note for Temporary Asphalt shoulder pavement in Stage 3
972	Miscellaneous Quantities – Removed SPV.0090.0004 for the table
975	Miscellaneous Quantities - Revised Base Aggregate Dense 1 ¼-Inch and Select Crushed Material quantity
977-978	Miscellaneous Quantities – Updated Concrete Pavement 12-Inch Special quantity
981	Miscellaneous Quantities – Removed quantities found elsewhere asterisk
982-983	Miscellaneous Quantities - Revised Asphaltic Surface Temporary and Tack Coat quantities and added HMA Cold Weather Paving Item
1012	Miscellaneous Quantities – Update earthwork summary table
1014	Miscellaneous Quantities – Update earthwork summary table
1098	Miscellaneous Quantities - Revised quantity for Concrete Barrier Transition Type V51 to S42
1099-1101	Miscellaneous Quantities - Revised Concrete Barrier Temporary Precast quantity
1102	Miscellaneous Quantities - Revised item to Crash Cushions Temporary Low Maintenance
1744	B-40-793. See revised plans
2491-2492	Earthwork – Update table

<b>Added Plan Sheets</b>	
<b>Plan Sheet</b>	<b>Plan Sheet Title (brief description of why sheet was added)</b>
66A	Construction Detail – Temporary crossing at CPRR
1011A	Miscellaneous Quantities – Items for temporary railroad crossing at CPRR
1421A	Add SDD 51-Inch Vertical Shape Concrete Barrier to 42-Inch Single Slope Concrete Barrier Transition

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. 04**

**1060-33-84, 1060-34-77, 1100-18-73, & 1100-18-76**

**October 6, 2020**

**Special Provisions**

**5. Prosecution and Progress.**

*Add the following to the end of section titled J General:*

The contractor shall provide a maintained graded access for the UPRR track crews off North Ave for the UPRR construction equipment to access the track throw area.

For base patching operations, where the existing concrete pavement has an asphalt overlay, the base patch shall be constructed from top of asphalt surface to bottom of existing concrete pavement.

*Replace the entire section titled L.11 Interim Completion of Work September 1, 2022 with the following:*

**L.11 Interim Completion of Work September 1, 2022**

*Supplement standard spec 108.11 as follows:*

If the contractor fails to complete HMA paving (except surface layer), concrete curb and gutter, pavement marking, signing, sidewalk and restoration work on North Avenue between 116<sup>th</sup> Street and Mayfair Road as shown in Stages 1A and 1B of the North Avenue staging plans, prior to 12:01 AM on September 2, 2022, the department will assess the contractor \$10,000.00 in interim liquidated damages per day for each calendar day after 12:01 AM on September 2, 2022, that North Avenue is not open to one lane eastbound and two lanes westbound. An entire calendar day will be charged for any period of time within a calendar day that North Avenue remains closed beyond 12:01 AM, on September 2, 2022.

**76. Excavation, Hauling, and Disposal of Petroleum Contaminated Soil, Item 205.0501.S.**

*Replace the entire section titled A.2 Notice to the Contractor – Contaminated Soil Locations with the following:*

The department completed testing for soil and groundwater contamination for locations within this project where excavation is required. Testing indicated that petroleum-contaminated soil is present at the following locations the plans show:

- Station 16+10RDE to 16+55RDE from 10 feet right of reference line to project limits right, from approximately 0 to 12+ feet below grade. Soil excavated from this area will require off-site bioremediation. The estimated volume of contaminated soil to be excavated at this location is 194 cubic yards (approximately 330 tons using a conversion factor of 1.7 tons per cubic yard).
- Station 16+25RDE to 16+90RDE from 60 feet left of reference line to 10 feet right of reference line, from approximately 1 to 16 feet below grade and 28 to 32 feet below grade. Soil excavated from this area will require off-site bioremediation. The estimated volume of contaminated soil to be excavated at this location is 963 cubic yards (approximately 1,637 tons using a conversion factor of 1.7 tons per cubic yard).

- Station 16+90RDE to 17+50RDE from 60 feet left of reference line to project limits right, from approximately 1 to 16 feet below grade and 28 to 32 feet below grade. Soil excavated from this area will require off-site bioremediation. The estimated volume of contaminated soil to be excavated at this location is 2,043 cubic yards (approximately 3,473 tons using a conversion factor of 1.7 tons per cubic yard).
- Station 19+25RDE to 20+50RDE from 60 feet left of reference line to project limits right, from approximately 1 to 12 feet below grade and 27 to 31 feet below grade. Soil excavated from this area will require off-site bioremediation. The estimated volume of contaminated soil to be excavated at this location is 3,394 cubic yards (approximately 5,770 tons using a conversion factor of 1.7 tons per cubic yard).
- Station 111+10NO to 111+70NO from 30 feet left of reference line to 40 feet right of reference line from approximately 4 feet to 16 feet below grade, estimated 175 cubic yards or 298 tons.
- Station 111+70NO to 112+65NO from 5 feet left of reference line to 20 feet right of reference line from approximately 4 feet to 16 feet below grade, estimated 285 cubic yards or 484 tons.

**155. Excavation, Hauling, and Reuse of Low-Level Contaminated Soil, Item SPV.0035.0003.**

*Replace the entire section titled A.2 Notice to the Contractor – Impacted Soil Locations with the following:*

The department completed testing for soil contamination at locations within this project where excavation is required. Testing indicated that low-level petroleum- or metal (arsenic and lead)-contaminated soil is present at the following locations as shown on the plans:

- Station 12+65RDE to 13+55RDE from 10 feet right of reference line to project limits right, from approximately 0 to 4 feet below grade. Approximately 106 cubic yards (approximately 181 tons at an estimated 1.7 tons per cubic yard) of soil to be excavated from this area will be reused on the project as specified in Section A.3.
- Station 13+55RDE to 16+10RDE from 10 feet right of reference line to project limits right, from approximately 0 to 12+ feet below grade. Approximately 894 cubic yards (approximately 1,520 tons at an estimated 1.7 tons per cubic yard) of soil to be excavated from this area will be reused on the project as specified in Section A.3.
- Station 16+55RDE to 17+25RDE from 10 feet right of reference line to project limits right, from approximately 0 to 12+ feet below grade. Approximately 360 cubic yards (approximately 612 tons at an estimated 1.7 tons per cubic yard) of soil to be excavated from this area will be reused on the project as specified in Section A.3.
  - Station 110+15NO to 113+00NO from 100 feet left of reference line to 90 feet right of reference line, from approximately 1 to 16+ feet below grade. Approximately 8,000 cubic yards (approximately 13,600 tons at an estimated 1.7 tons per cubic yard).

If other signs of contamination are encountered at these locations or elsewhere on the project, terminate excavation activities in the area and notify the engineer.

No active groundwater monitoring wells were observed within the construction limits. If active groundwater monitoring wells are encountered during construction, notify the engineer and protect them to maintain their integrity. The environmental consultant will determine if monitoring wells need to be maintained. For monitoring wells that do need to be maintained, adjust the wells that do not conflict with structures or curb and gutter to be flush with the final grade. For wells that conflict with the previously mentioned items or if monitoring wells are not required to be maintained, they will be abandoned by others.

If dewatering is required at the above location, conduct the dewatering according to Section C below.

**264. DELETED**

**290. Fence Decorative Bridge, Item SPV.0090.4100; Fence Decorative Wall, Item SPV.0090.4105.**

*Replace the second paragraph under C Construction, and replace with the following:*

Provide a full sized painted 6-foot by 10-foot long fence test panel. Deliver the test panel to the job site within 120 days of the award of the contract. Unload and set up the test panel in an area designated by the engineer. Obtain test panel acceptance prior to beginning fabrication of fences.

**343. Excavation, Hauling, and Disposal of Low-Level Contaminated Soil, Item SPV.0195.0004.**

*Replace the entire section titled A.2 Notice to the Contractor – Contaminated Soil Location with the following:*

The department and others completed testing for soil and groundwater contamination for locations within this project where excavation is required. Testing indicated that low-level petroleum- or metal (arsenic and lead)-contaminated soil is present at the following locations as shown on the plans:

- Station 109+75NO to 110+15NO from 45 feet to 95 feet left of reference line, from approximately 1 to 14 feet below grade. Approximately 534 cubic yards (approximately 908 tons at an estimated 1.7 tons per cubic yard).
- Station 110+15NO to 113+00NO from 100 feet left of reference line to 90 feet right of reference line, from approximately 1 to 16+ feet below grade. Approximately 11,534 cubic yards (approximately 19,608 tons at an estimated 1.7 tons per cubic yard).

If contaminated soils are encountered elsewhere on the project, terminate excavation activities in the area and notify the engineer.

No active groundwater monitoring wells were observed within the construction limits. If active groundwater monitoring wells are encountered during construction, notify the engineer and protect them to maintain their integrity. The environmental consultant will determine if monitoring wells need to be maintained. For monitoring wells that do need to be maintained, adjust the wells that do not conflict with structures or curb and gutter to be flush with the final grade. For wells that conflict with the previously mentioned items or if monitoring wells are not required to be maintained, they will be abandoned by others.

If dewatering is required at the above location, conduct the dewatering according to Section C below.

**357. Crash Cushions Temporary Low Maintenance, Item SPV.0060.0960.**

**A Description**

This special provision describes providing and removing Crash Cushions Temporary Low Maintenance in accordance to pertinent requirements of standard spec 614.

**B Materials**

Use materials as described in standard spec 614.2 for the installation of temporary crash cushions, except provide crash cushions meeting the requirements of Crash Cushions Permanent Low Maintenance from the department's APL.

**C Construction**

Perform work as specified in standard spec 614.3.

**D Measurement**

The department will measure Crash Cushions Temporary Low Maintenance as each temporary crash cushion, acceptably completed.

**E Payment**

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.0960	Crash Cushions Temporary Low Maintenance	EACH

Payment is full compensation for providing crash cushions; for the foundation pads, connections, transitions, and backup blocks; for maintaining the crash cushions; for removing and disposing of the crash cushions when no longer needed.

**358. Temporary Access Gates at CPRR, Item SPV.0060.0170; Temporary Crossing at CPRR, Item SPV.0060.0171.**

**A Description**

This special provision describes furnishing and erecting an access gate and any necessary approach work per plan detail at the location shown on the plans and as directed by the engineer.

**B (Vacant)**

**C Construction**

Construct these gates at least 12 feet outside of any railroad tracks. Gates must be constructed so they do not swing toward the railroad tracks.

Equip gate with a chain or cable and a key lock. Keep gates locked in the closed position when not in use. Remove gate upon completion of the project.

Provide any approach work necessary to move equipment up to the railroad tracks, in-between the tracks and through the gate. The track crossing will be installed by the railroad. Provide any drainage measures necessary to maintain the existing drainage when the approach work, crossings and gates are in place. Remove these gates, any approach work and any drainage measures, and restore the existing drainage pattern.

**D Measurement**

The department will measure Temporary Access Gates at CPRR and Temporary Crossing at CPRR as each individual item, acceptably completed.

**E Payment**

The department will pay for measured quantities at the contract unit price under the following bid item:

SPV.0060.0170	Temporary Access Gates at CPRR	EACH
SPV.0060.0171	Temporary Crossing at CPRR	EACH

Payment for Temporary Access Gates at CPRR is full compensation for furnishing all materials; for erecting posts and gates; and for removing all items discussed in this special provision.

Payment for Temporary Crossing at CPRR is full compensation for finishing all materials for constructing any necessary approach work; for constructing any drainage measures; and for removing all items discussed in this special provision.



**Schedule of Items**

Attached, dated October 6, 2020, are the revised Schedule of Items Pages 5, 7, 8, 21, 25, 43, and 55 – 66.

**Plan Sheets**

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

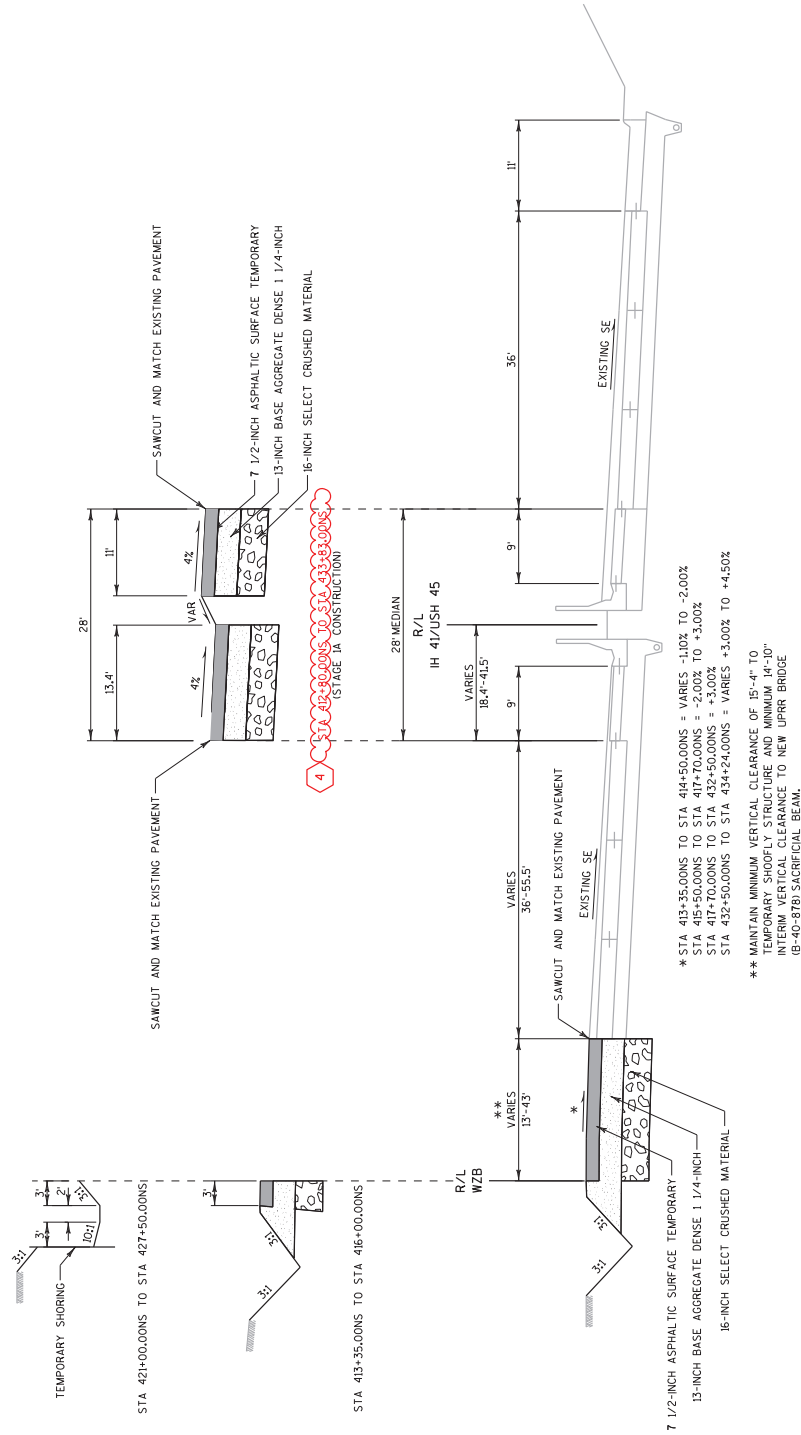
**1060-33-84**

Revised: 44-47, 66, 134, 175-180, 351, 374, 376, 517, 519, 709, 714, 728-731, 740, 747, 801, 802, 812, 820, 972, 975, 977-978, 981-983, 1012, 1014, 1098-1102, 1744, 2491-2492

Added: 66A, 1011A, 1421A

END OF ADDENDUM

Addendum No. 04  
 ID 1060-33-84  
 Revised Sheet 44  
 October 6, 2020



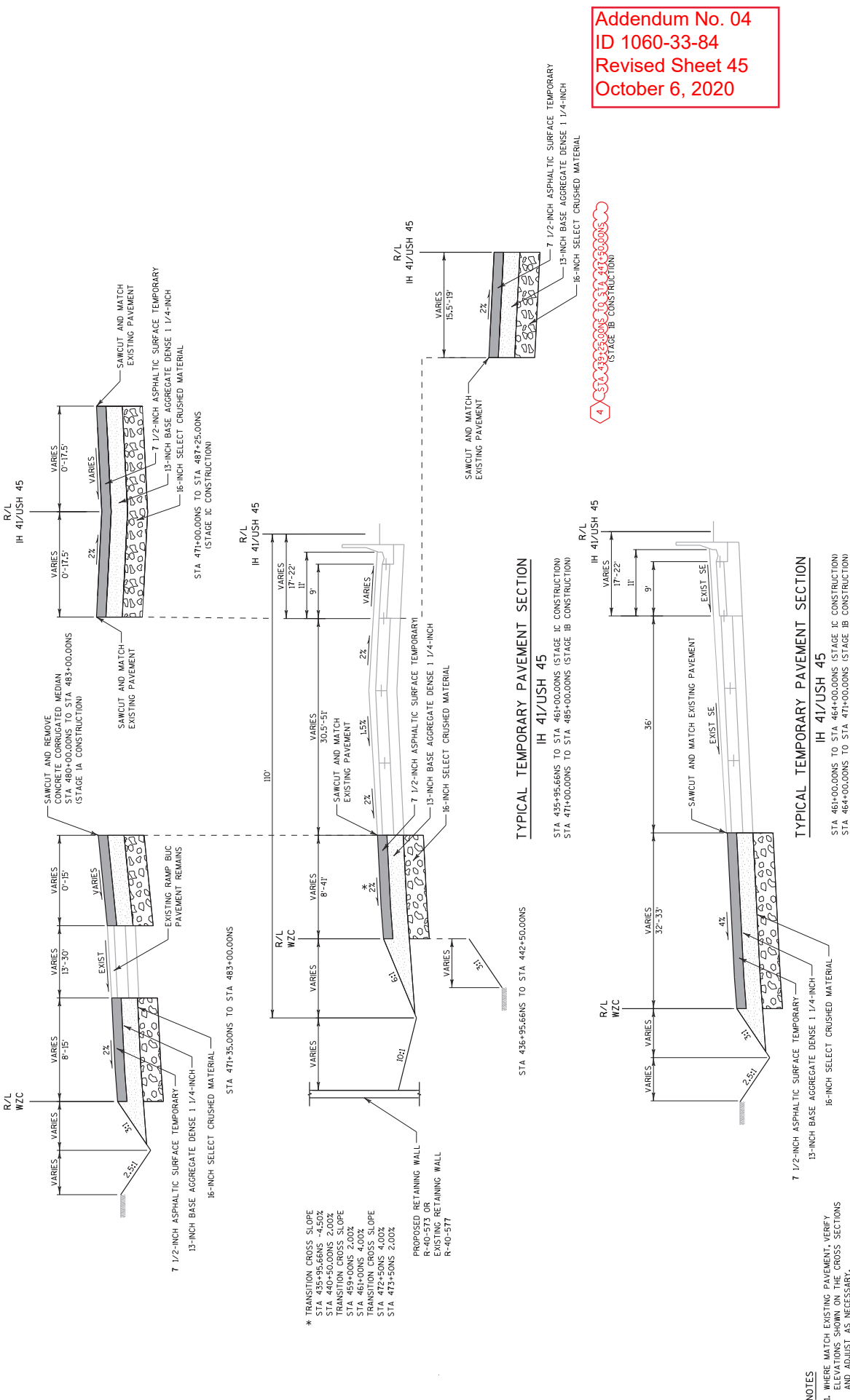
TYPICAL TEMPORARY PAVEMENT SECTION  
 IH 41/USH 45

STA 412+35.00NS TO STA 434+24.00NS  
 (STAGE 1C CONSTRUCTION)

NOTES  
 1. WHERE MATCH EXISTING PAVEMENT, VERIFY ELEVATIONS SHOWN ON THE CROSS SECTIONS AND ADJUST AS NECESSARY.

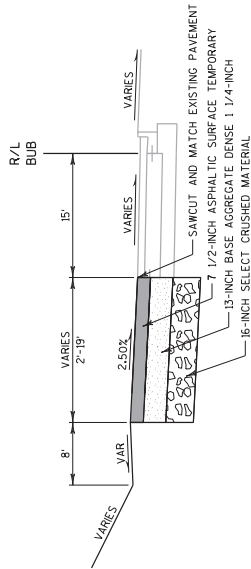
PROJECT NO: 1060-33-84	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 44	E
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FILE NAME : W:\A\POS\CAD\10603316\84\Obsv\Plan\45- Tr of f.c. Cont\1020490\_1s\_ temp.dgn PLOT DATE : 04-OCT-2020 00:13 PLOT BY : MSCDIS PLOT NAME : 1020490\_1s\_ temp02 PLOT SCALE : 15:1 WISDOT/CADDIS SHEET 44



Addendum No. 04  
 ID 1060-33-84  
 Revised Sheet 45  
 October 6, 2020

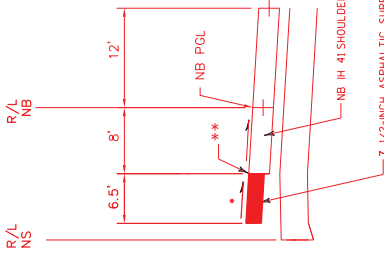
4 STA 435+95.66NS TO STA 471+00.00NS (STAGE IB CONSTRUCTION)



**TYPICAL TEMPORARY PAVEMENT SECTION**

**IH 41/USH 45**

STA 781+28.80BUB TO STA 784+00.00BUB  
(STAGE 2A CONSTRUCTION)



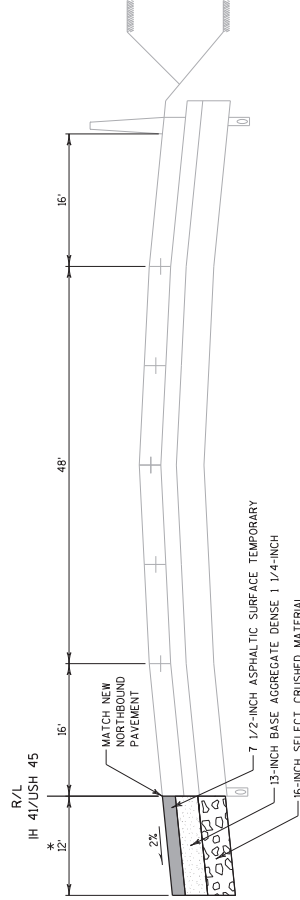
**TYPICAL TEMPORARY PAVEMENT SECTION**

**IH 41/USH 45**

STA 412+58NS TO STA 428+00NS  
(STAGE 2B CONSTRUCTION)  
STA 428+00NS TO STA 441+HNS  
(STAGE 3 CONSTRUCTION)

- \* MATCH CROSS SLOPE OF ADJACENT PAVEMENT
- \*\* MATCH SHOULDER CROWN LINE

Addendum No. 04  
ID 1060-33-84  
Revised Sheet 46  
October 6, 2020

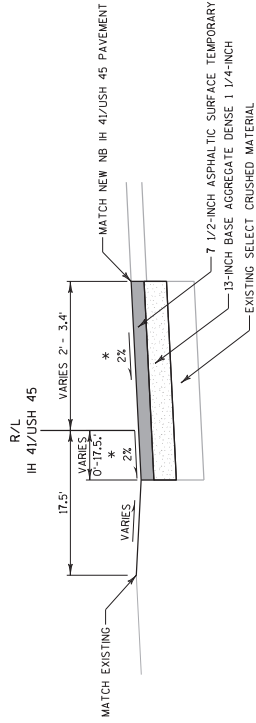


\* WIDTH VARIES 12' TO 2'  
STA 392+50.00NS TO STA 394+00.00NS

**TYPICAL TEMPORARY PAVEMENT SECTION**

**IH 41/USH 45**

STA 386+00.00NS TO STA 394+00.00NS  
(STAGE 3 CONSTRUCTION FOR STAGE 4)

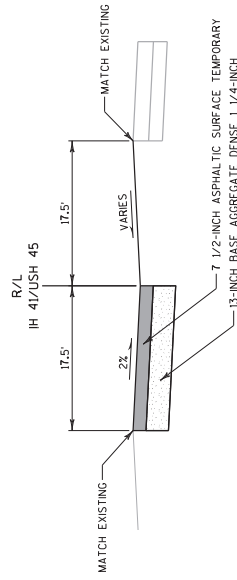


\* STA 472+00.00MS TO STA 474+00.00MS 2.00%  
 \* STA 474+00.00MS TO STA 475+00.00MS VARIES 2.00% TO +1.00%  
 \* STA 475+00.00MS TO STA 477+00.00MS +1.00%

**TYPICAL TEMPORARY PAVEMENT SECTION**

IH 41/USH 45

STA 472+00.00MS TO STA 477+00.00MS  
 (STAGE 3 CONSTRUCTION FOR STAGE 4)



**TYPICAL TEMPORARY PAVEMENT SECTION**

IH 41/USH 45

(CONSTRUCTED STAGE 3 FOR STAGE 4)

**NOTES**

1. WHERE MATCH EXISTING PAVEMENT, VERIFY ELEVATIONS SHOWN ON THE CROSS SECTIONS AND ADJUST AS NECESSARY.

Addendum No. 04  
 ID 1060-33-84  
 Revised Sheet 47  
 October 6, 2020

PROJECT NO: 1060-33-84

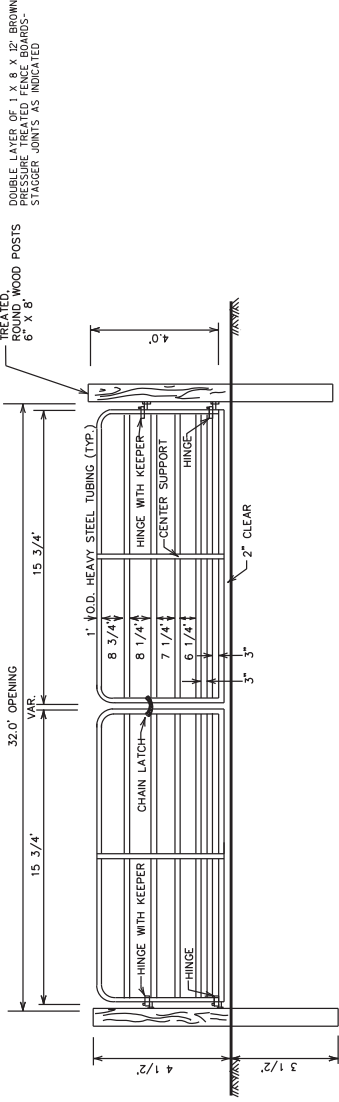
HWY: IH 894/IH 94/USH 45

COUNTY: MILWAUKEE

TYPICAL SECTIONS

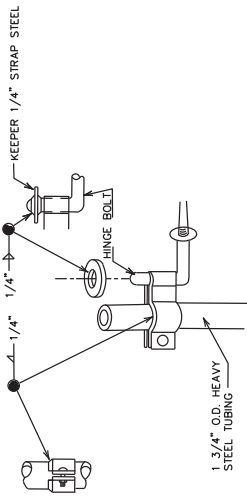
SHEET 47

E



DOUBLE LAYER OF 1 X 8 X 12 BROWN PRESSURE TREATED FENCE BOARDS - STAGGER JOINTS AS INDICATED

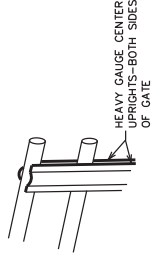
TREATED ROUND WOOD POSTS 6 X 8



WRAP-AROUND HINGE DETAIL

NOTES

1. KEEPER TO BE ATTACHED TO TOP HINGE OF EACH GATE ONLY.
2. KEEPER SHALL BE FITTED AFTER THE GATE IS HUNG IN PLACE.
3. KEEPER TO BE OF SUCH DIMENSIONS TO PROVIDE CLEARANCE FOR LATERAL SWING.
4. DRILL HOLE IN KEEPER OF SUFFICIENT DIAMETER TO PROVIDE SNUG FIT OVER HINGE BOLT.
5. EXACT LOCATION OF GATE TO LINE UP WITH TEMPORARY RAILROAD CROSSING.
6. A 1 1/4\"/>

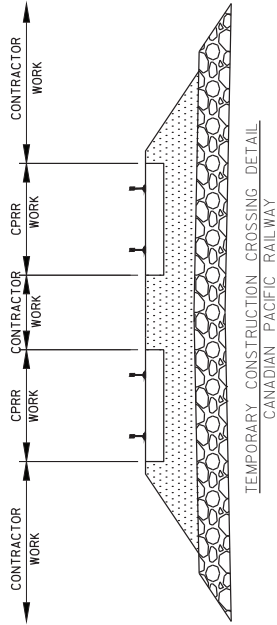
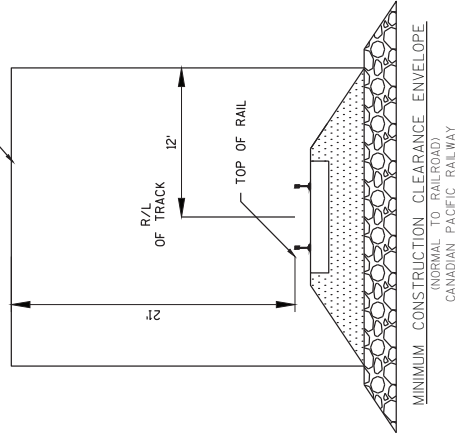


CENTER SUPPORT DETAIL

Addendum No. 04  
ID 1060-33-84  
Revised Sheet 66  
October 6, 2020

TEMPORARY ACCESS GATES DETAIL  
SEE PLAN DETAILS FOR TEMPORARY CROSSING LOCATIONS  
CANADIAN PACIFIC RAILWAY

NO CONSTRUCTION ACTIVITIES OR OTHER OBSTRUCTIONS SHALL BE PLACED WITHIN THESE LIMITS



Addendum No. 04  
ID 1060-33-84  
Added Sheet 66A  
October 6, 2020

PROJECT NO: 1060-33-84

FILE NAME: W:\PDS\CED\10603384\03\PLAN\CRR SUBMITTAL\06001\_CSDWG LAYOUT NAME - Pn 1 IN 100 FT

HWY: USH 45

COUNTY: MILWAUKEE

PLOT DATE: 10/5/2020 11:33 AM

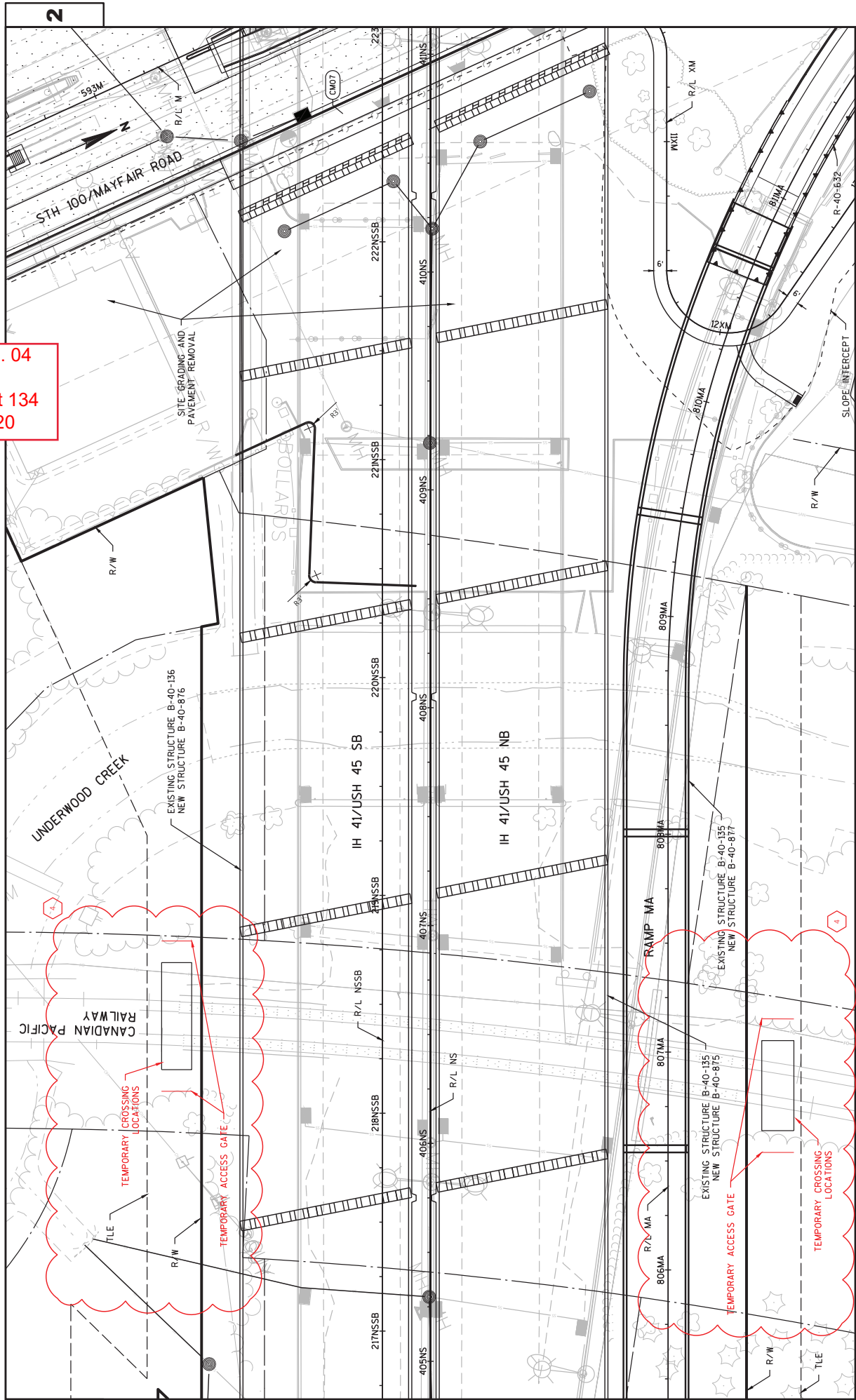
CONSTRUCTION DETAIL - TEMPORARY RAILROAD CROSSING CPRR

PLOT NAME: MANIEN, WAYNE

SHEET 66A

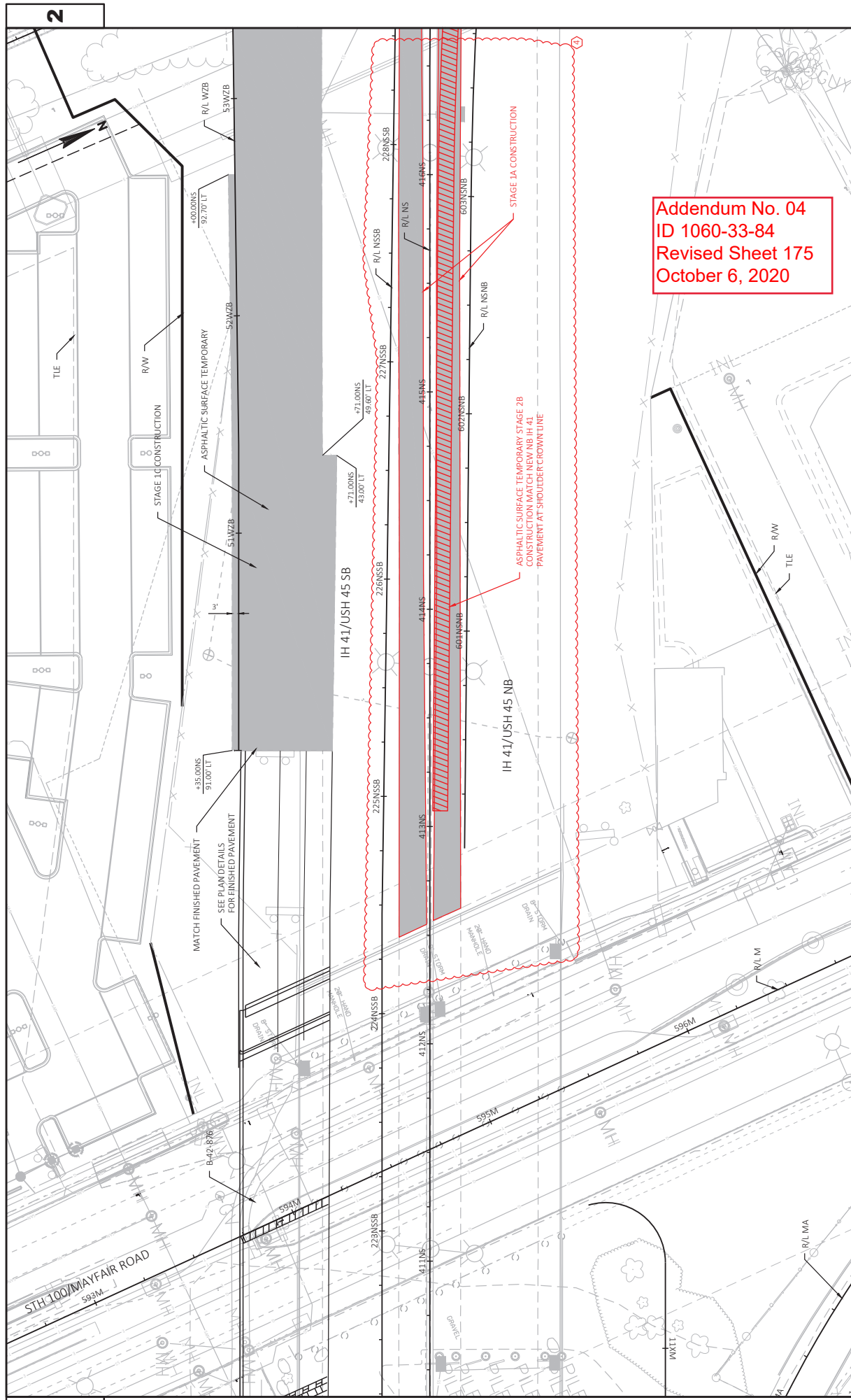
WISDOT/CADD SHEET 42

Addendum No. 04  
ID 1060-33-84  
Revised Sheet 134  
October 6, 2020



FILE NAME: W:\PDS\CD\10603316\8\ANDSN\PLAN\021201.PD.DWG  
LAYOUT NAME: 021201.PD - 05.PD



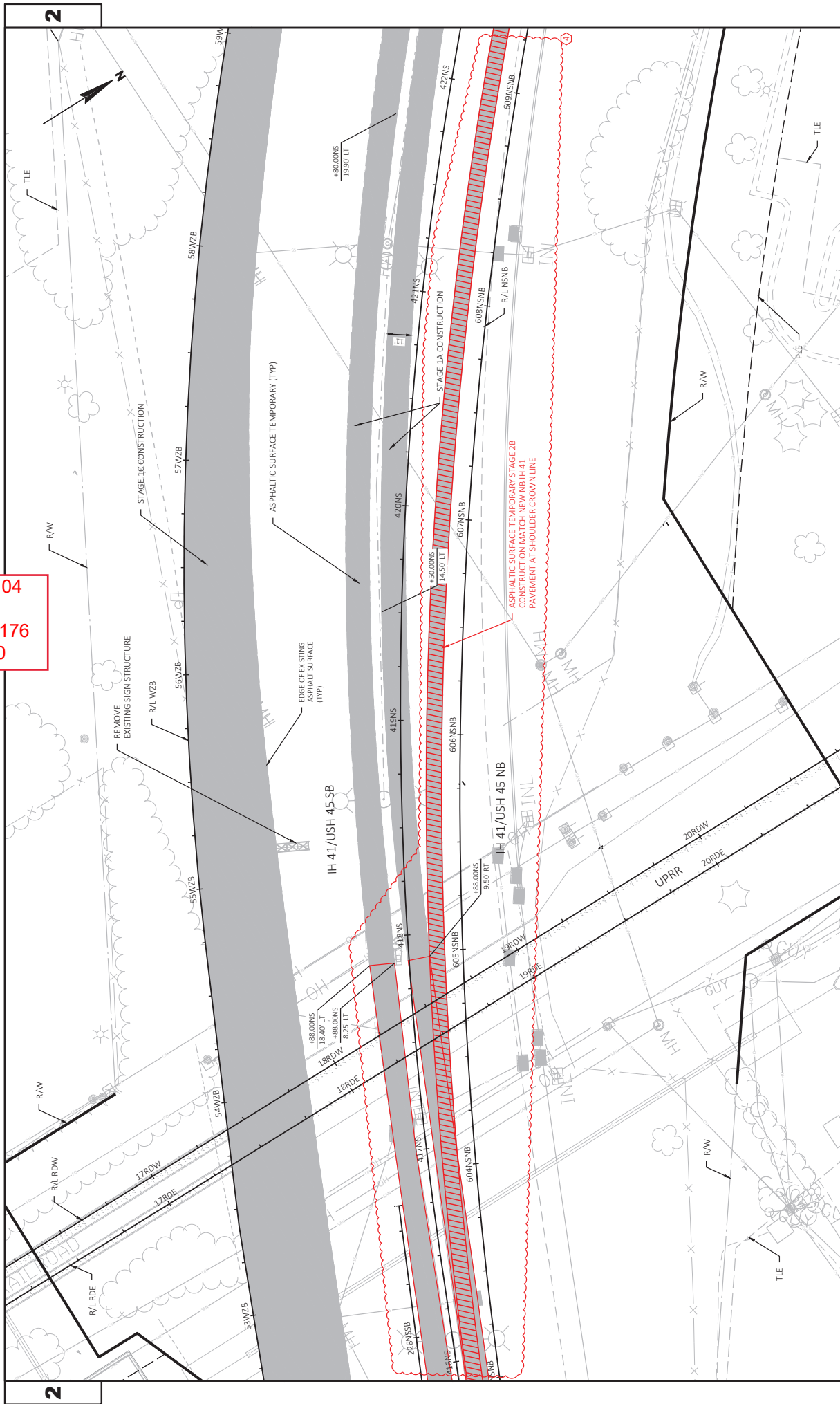


Addendum No. 04  
 ID 1060-33-84  
 Revised Sheet 175  
 October 6, 2020

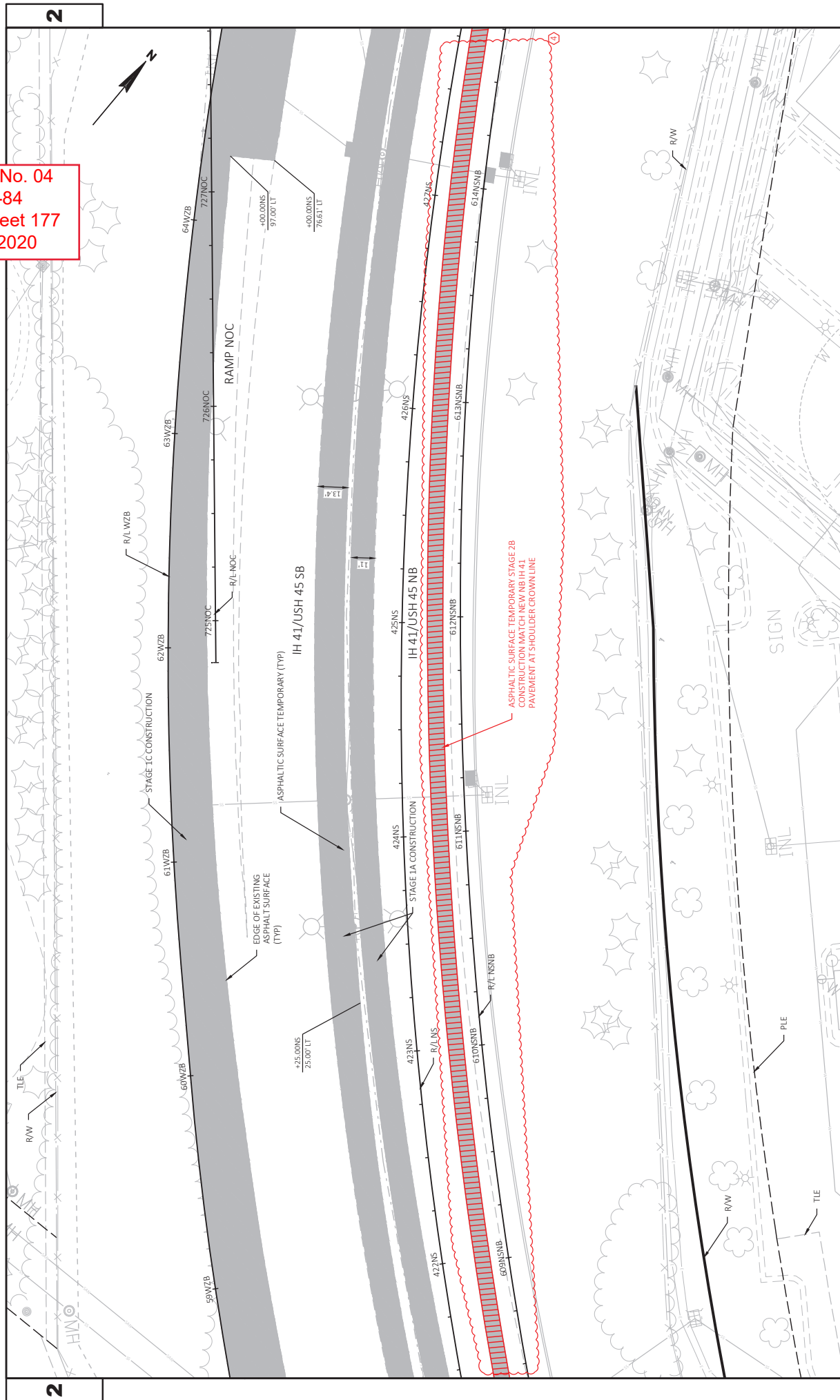
2

2

Addendum No. 04  
ID 1060-33-84  
Revised Sheet 176  
October 6, 2020



Addendum No. 04  
 ID 1060-33-84  
 Revised Sheet 177  
 October 6, 2020



2

2

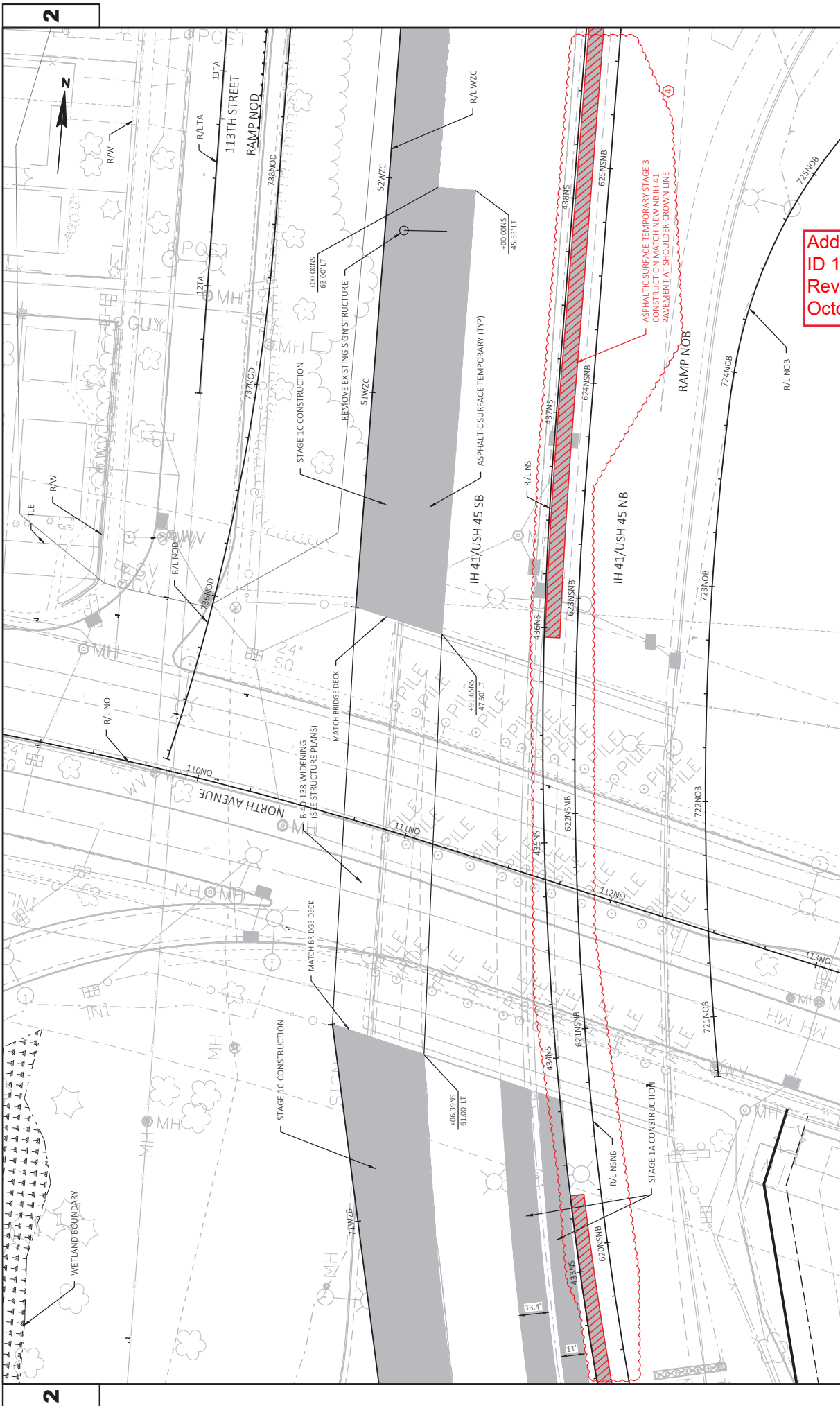
Addendum No. 04  
 ID 1060-33-84  
 Revised Sheet 178  
 October 6, 2020



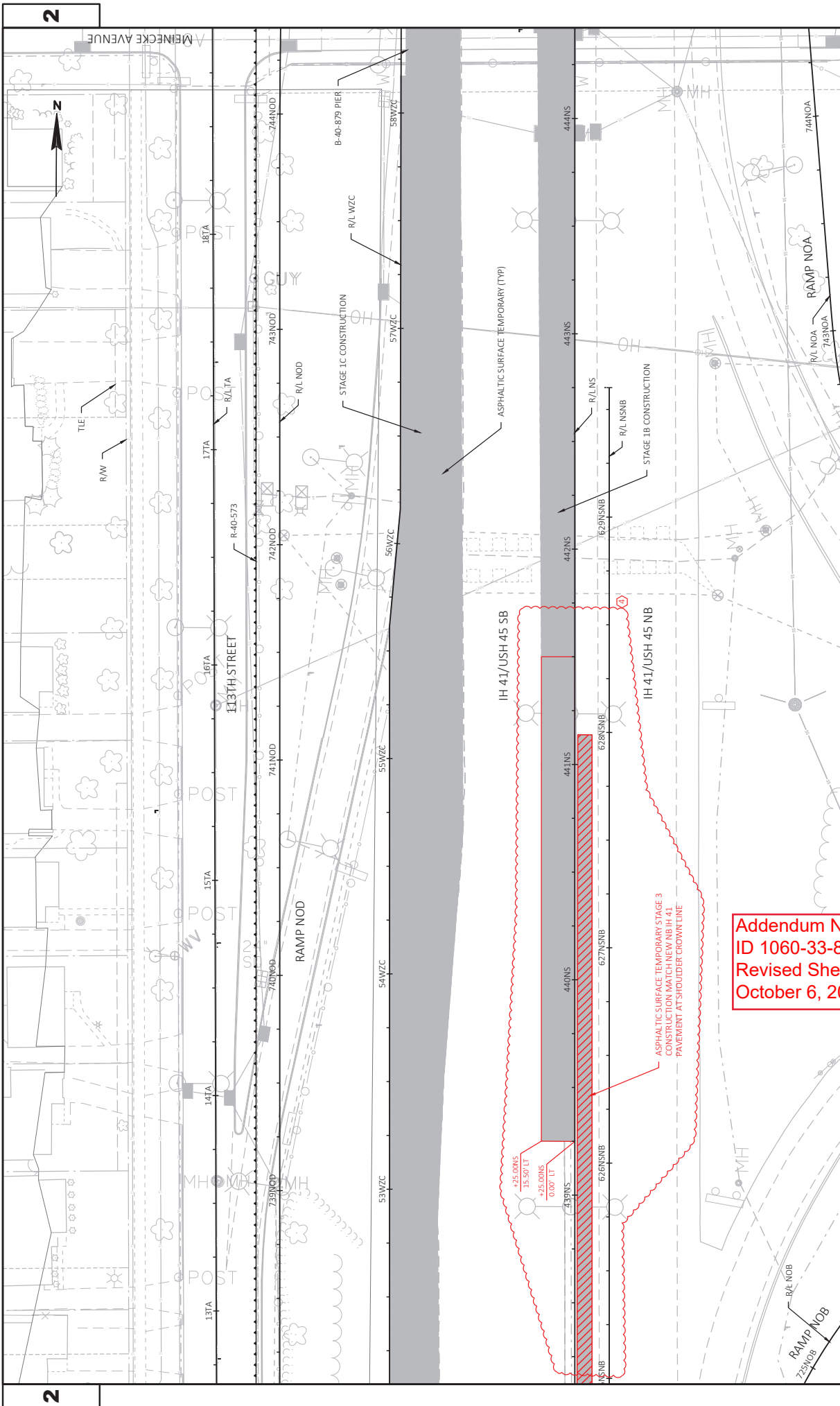
2

2

PROJECT NO: 1060-33-84	COUNTY: MILWAUKEE	PLAN DETAILS - TEMPORARY	SHEET 178
HWY: IH 41	FILE NAME : W:\NPS\C3D\10603316\BA\DSN\PLAN\F45_TRAFFIC_CONTROL\021200.PD.DWG	PLOT BY : SCHARLAJ, DAVID A	WSDOT/CADD SHEET 42
	LAYOUT NAME - 021200.PD - 09	PLOT DATE : 10/4/2020 6:56 PM	PLOT SCALE : 1 IN:40 FT



Addendum No. 04  
 ID 1060-33-84  
 Revised Sheet 179  
 October 6, 2020



Addendum No. 04  
 ID 1060-33-84  
 Revised Sheet 180  
 October 6, 2020

2

2

PROJECT NO: 1060-33-84	HWY: IH 41	PLAN DETAILS - TEMPORARY	SHEET	180
FILE NAME : W:\NPS\C30\10603316\BA\DSN\PLAN\F45_TRAFFIC_CONTROL\021200_PD.DWG				
LAYOUT NAME - 021200_PD - 11				
COUNTY: MILWAUKEE				
PLOT DATE : 10/4/2020 6:57 PM				
PLOT BY : SCHARLAU, DAVID A				
PLOT NAME :				
PLOT SCALE : 1 IN:40 FT				
WSDOT/CADD SHEET 42				

Addendum No. 04  
 ID 1060-33-84  
 Revised Sheet 351  
 October 6, 2020

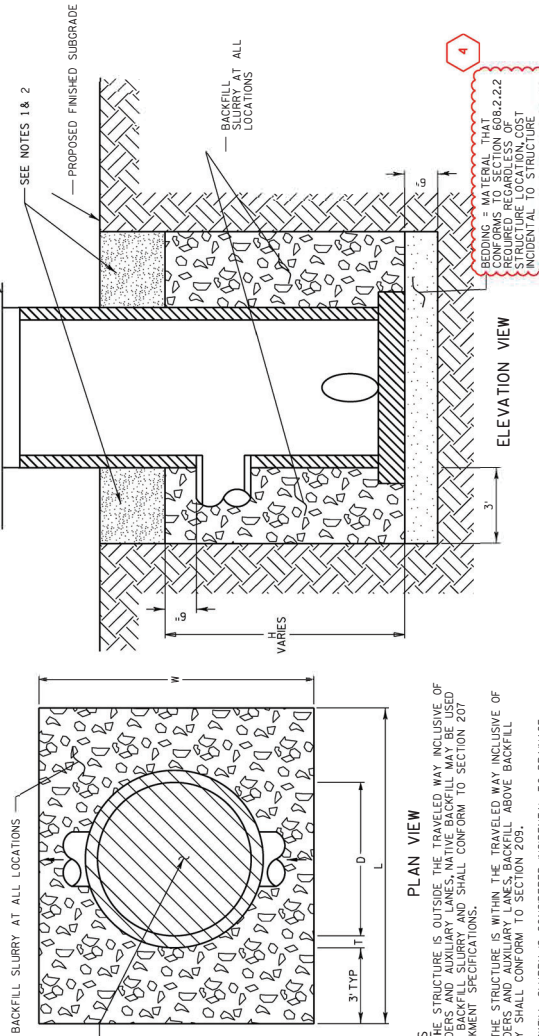
BACKFILL SLURRY TRENCHES (FOR INFORMATION ONLY)

PIPE DIAMETER D	WALL THICKNESS T	TRENCH WIDTH W	HEIGHT OF PIPE ZONE H (from pipe bottom to top of pipe)	AREA OF PIPE ZONE		BACKFILL SLURRY AREA
				SA	SB	
12	2.00	2.67	1.83	4.89	1.40	3.49
15	2.25	3.25	2.13	6.91	2.07	4.83
18	2.50	3.83	2.42	9.26	2.89	6.38
21	2.75	4.42	2.71	11.96	3.83	8.13
24	3.00	5.00	3.00	15.00	4.91	10.09
30	3.50	6.17	3.58	22.18	7.47	14.63
36	4.00	7.33	4.17	30.56	10.56	20.00
42	4.50	8.50	4.75	40.38	14.19	26.19
48	5.00	9.67	5.33	51.56	18.35	33.21
54	5.50	10.83	5.92	64.12	24.12	42.00
60	6.00	12.00	6.50	78.00	31.50	51.50
66	6.50	13.17	7.08	93.24	40.56	62.68
72	7.00	14.33	7.67	110.00	51.00	75.00
78	7.50	15.50	8.25	128.25	62.25	89.00
84	8.00	16.67	8.83	148.00	74.50	104.50
90	8.50	17.83	9.42	169.25	87.75	121.50
96	9.00	19.00	10.00	192.00	102.00	139.00
102	9.50	20.17	10.58	216.75	117.25	157.50
108	10.00	21.33	11.17	243.00	133.50	176.50
114	10.50	22.50	11.75	270.75	150.75	196.25
120	11.00	23.67	12.33	300.00	169.00	216.00
126	11.50	24.83	12.92	330.75	188.25	236.25
132	12.00	26.00	13.50	363.00	208.50	257.50

H = UP TO 6" ABOVE THE TOP OF THE HIGHEST PIPE IN THE STRUCTURE  
 BACKFILL SLURRY VOLUME (CUBIC YARDS) = (PIPE ZONE AREA - PIPE AREA) X PIPE PLAN LENGTH

BACKFILL SLURRY STRUCTURES (FOR INFORMATION ONLY)

DESCRIPTION	RECTANGULAR STRUCTURE WIDTH RW	WALL THICKNESS T	SLAB THICKNESS ST	STRUCTURE LENGTH L	STRUCTURE WIDTH W	STRUCTURE AREA		STRUCTURE EXCAVATION AREA		BACKFILL SLURRY AREA	
						SA	SB	SA	SB	SA	SB
INLETS 2x2.5-FT	2.5	5	5	8.83	9.33	82.44	9.44	73.00			
INLETS 2x3-FT	3	5	5	8.83	9.83	86.86	10.86	76.00			
INLETS MEDIAN 1 GRATE	2.5	8	8	9.83	9.83	96.69	14.69	82.00			
INLETS MEDIAN 2 GRATE	5.33	8	8	9.83	12.66	124.52	25.54	98.98			
MANHOLES 4-FT DIAMETER	---	5	6	10.83	10.83	117.36	18.34	99.02			
MANHOLES 5-FT DIAMETER	---	6	8	12.00	12.00	144.00	28.26	115.74			
MANHOLES 6-FT DIAMETER	---	7	8	13.17	13.17	173.36	40.32	133.04			
MANHOLES 7-FT DIAMETER	---	8	14.33	14.33	205.44	54.51	150.93				
MANHOLES 8-FT DIAMETER	---	9	15.50	15.50	240.25	70.85	169.40				
MANHOLES 9-FT SPECIAL	---	10	16.67	16.67	277.78	89.32	188.46				
MANHOLES 10-FT SPECIAL	---	11	17.83	17.83	318.03	109.92	208.11				
MANHOLES 12-FT SPECIAL	---	12	19.00	20.00	400.00	153.86	246.14				



PLAN VIEW

NOTES

(1) IF THE STRUCTURE IS OUTSIDE THE TRAVELED WAY INCLUSIVE OF SHOULDERS AND AUXILIARY LANES, NATIVE BACKFILL MAY BE USED INSTEAD OF SLURRY. SLURRY SHALL CONFORM TO SECTION 207 EMBANKMENT SPECIFICATIONS.

(2) IF THE STRUCTURE IS WITHIN THE TRAVELED WAY INCLUSIVE OF SHOULDERS AND AUXILIARY LANES, NATIVE BACKFILL SHALL CONFORM TO SECTION 209.

(3) BACKFILL SLURRY IS CONSIDERED INCIDENTAL TO DRAINAGE STRUCTURES. NO SEPARATE PAYMENTS WILL BE MADE.

(4) WHEN TEMPORARY SUBGRADE IS HIGHER THAN PROPOSED FINISHED SUBGRADE, PROVIDE GRANULAR BACKFILL AT ALL LOCATIONS. COST FOR GRANULAR BACKFILL IS CONSIDERED INCIDENTAL TO CONSTRUCTION.

(5) AT DIRECTION OF ENGINEER, BACKFILL SLURRY CAN BE ELIMINATED IN HIGH EMBANKMENT AREAS.

BACKFILL SLURRY DETAIL - STORM SEWER STRUCTURES

NOT REQUIRED FOR TEMPORARY INSTALLATION

PROJECT NO: 1060-33-84

HWY: IH 41

COUNTY: MILWAUKEE

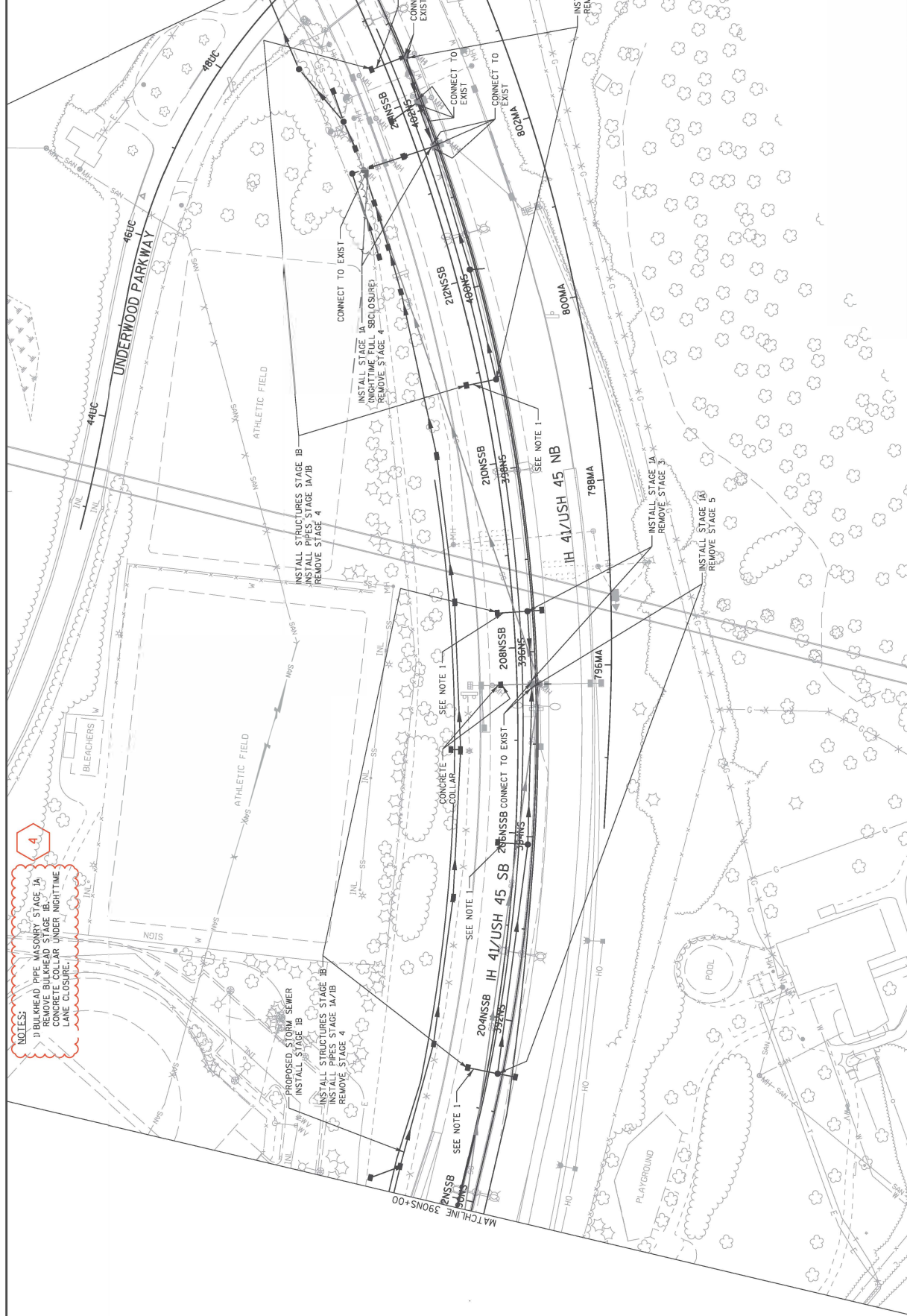
STORM SEWER - CONSTRUCTION DETAILS

BACKFILL SLURRY DETAIL - STORM SEWER TRENCH

SHEET 351



Addendum No. 04  
ID 1060-33-84  
Revised Sheet 374  
October 6, 2020



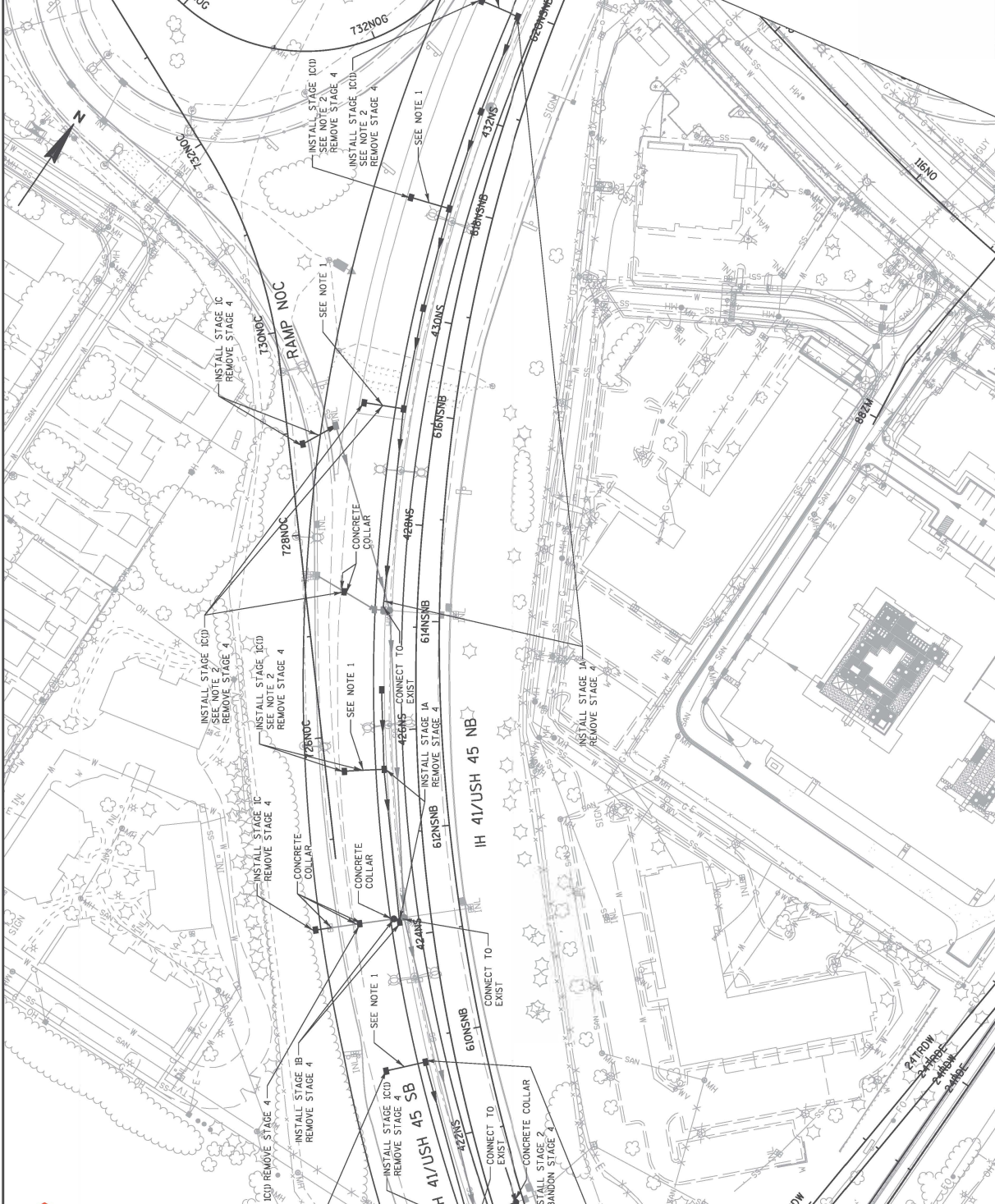
**NOTES:**  
4. 1) BULKHEAD PIPE MASONRY STAGE 1A  
REMOVE BULKHEAD STAGE 1B  
CONCRETE COLLAR UNDER NIGHTTIME  
LANE CLOSURE.



NOTES:

1) BULKHEAD PIPE MASONRY STAGE 1B  
 2) CONCRETE COLLAR UNDER NIGHTTIME  
 LANE CLOSURE.

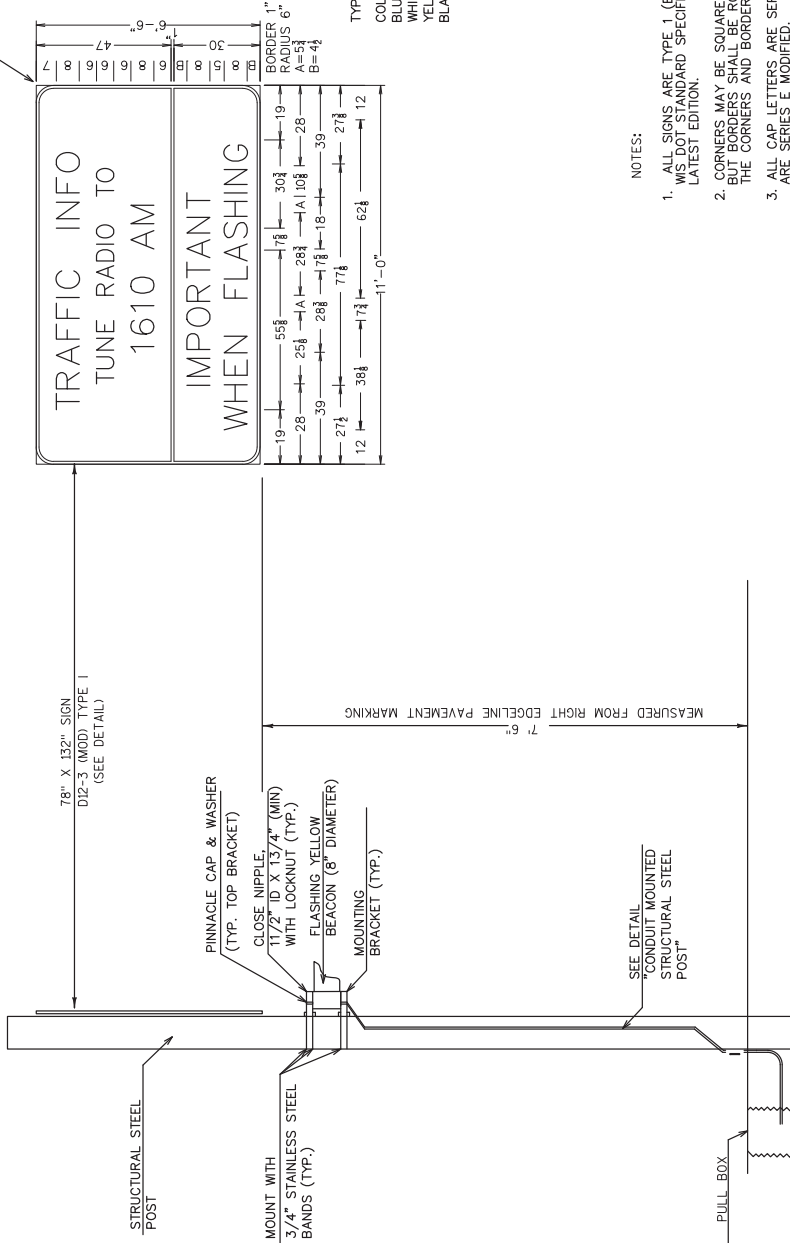
3) UNDER NIGHTTIME LANE CLOSURE



Addendum No. 04  
 ID 1060-33-84  
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Addendum No. 04  
 ID 1060-33-84  
 Revised Sheet 517  
 October 6, 2020

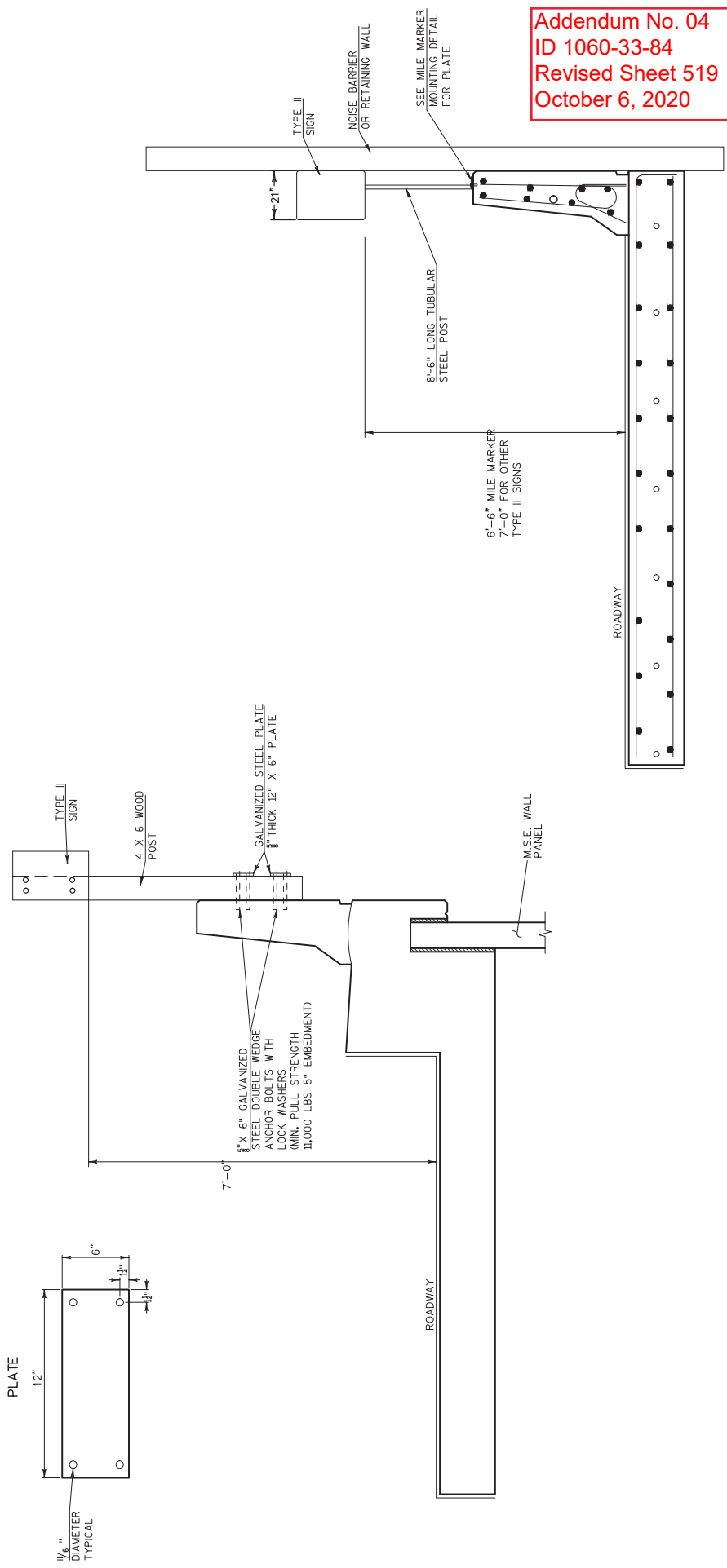
SIGN IS ATTACHED TO STRUCTURAL  
 STEEL POSTS TYPE A



NOTES:

1. ALL SIGNS ARE TYPE 1 (EXCEPT AS NOTED) - TYPE SH REFLECTIVE - REFERENCE WS DOT STANDARD SPECIFICATION FOR HIGHWAY AND STRUCTURE CONSTRUCTION LATEST EDITION.
2. CORNERS MAY BE SQUARE OR ROUNDED WHEN BASE MATERIAL IS PLYWOOD. BORDERS SHALL BE ROUNDED WHEN BASE MATERIAL IS METAL. THE CORNERS AND BORDERS SHALL BE ROUNDED.
3. ALL CAP LETTERS ARE SERIES E MODIFIED. ALL UPPER AND LOWER CASE LETTERS ARE SERIES E MODIFIED.
4. SIGN NUMBERS SHOWN BY: ○
5. DO NOT SCALE.

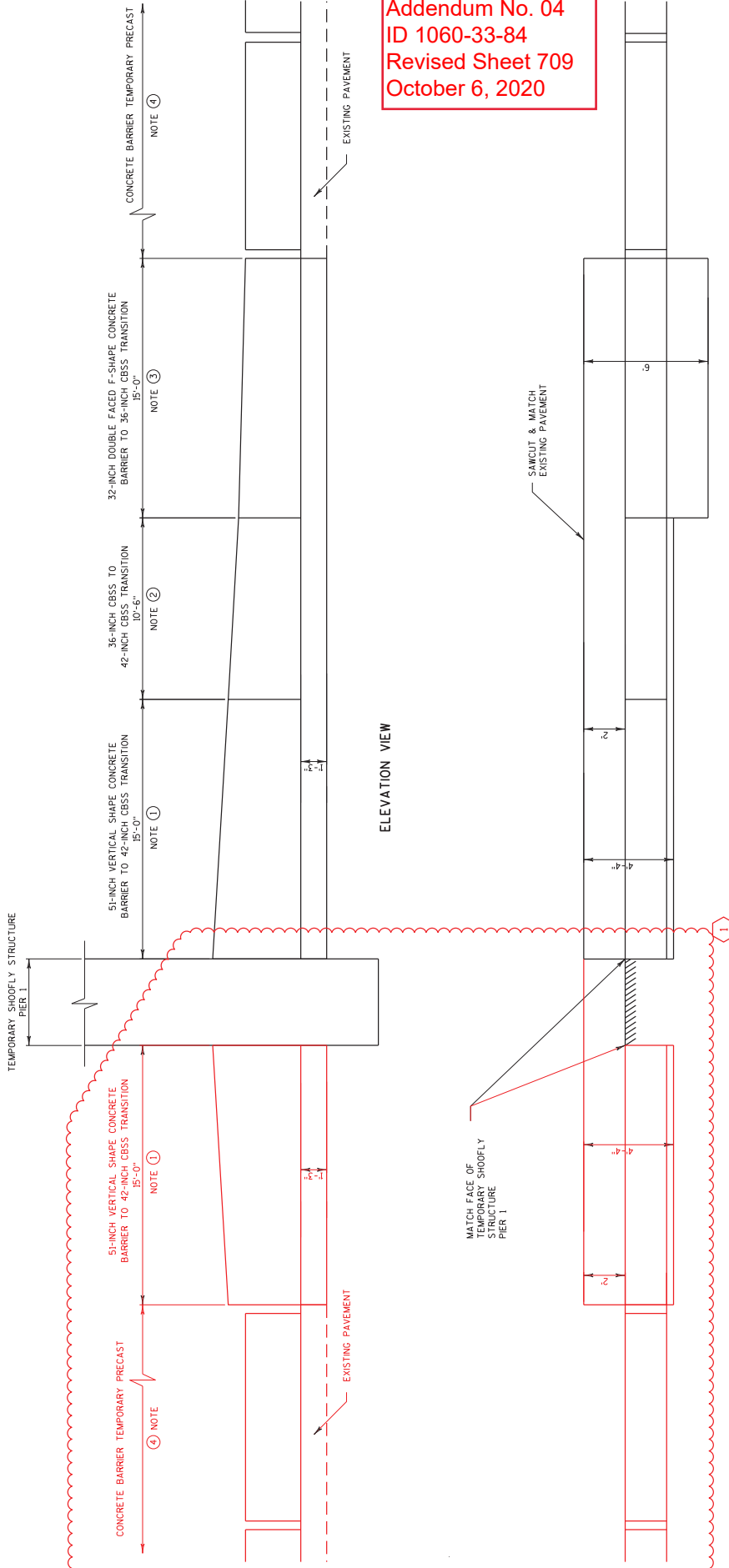
TYPICAL DETAIL  
 HARS FLASHER ASSEMBLY  
 (NOT TO SCALE)



Addendum No. 04  
 ID 1060-33-84  
 Revised Sheet 519  
 October 6, 2020

TYPE II SIGN AT NOISE WALL OR RETAINING WALL APPLICATION

PROJECT NO: 1060-33-84	COUNTY: MILWAUKEE	SIGN SUPPORTS SPECIAL MOUNTING	SHEET 519	E
FILE NAME : W:\NPS\CAD\106033\84\ASIGN\023101.PS.DWG	HWY: IH 41	PLOT BY : WAGNER, SCOTT H	PLOT SCALE : 1 IN:200 FT	WSDOT/CADD SHEET 42
LAYOUT NAME - SPECIAL MOUNTING 09	PLOT DATE : 10/6/2020 7:19 AM	PLOT NAME :		



Addendum No. 04  
 ID 1060-33-84  
 Revised Sheet 709  
 October 6, 2020

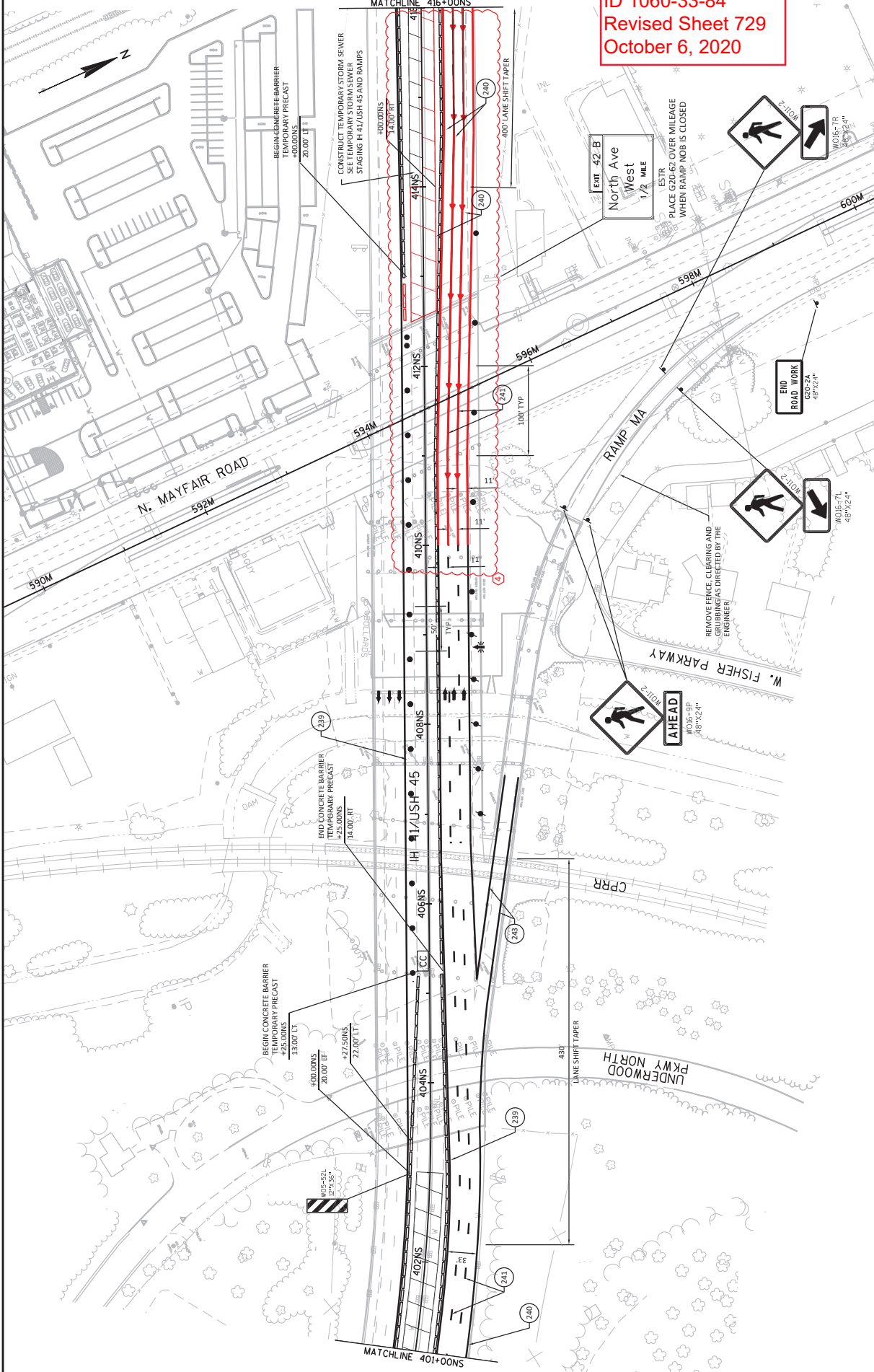
**NOTES**

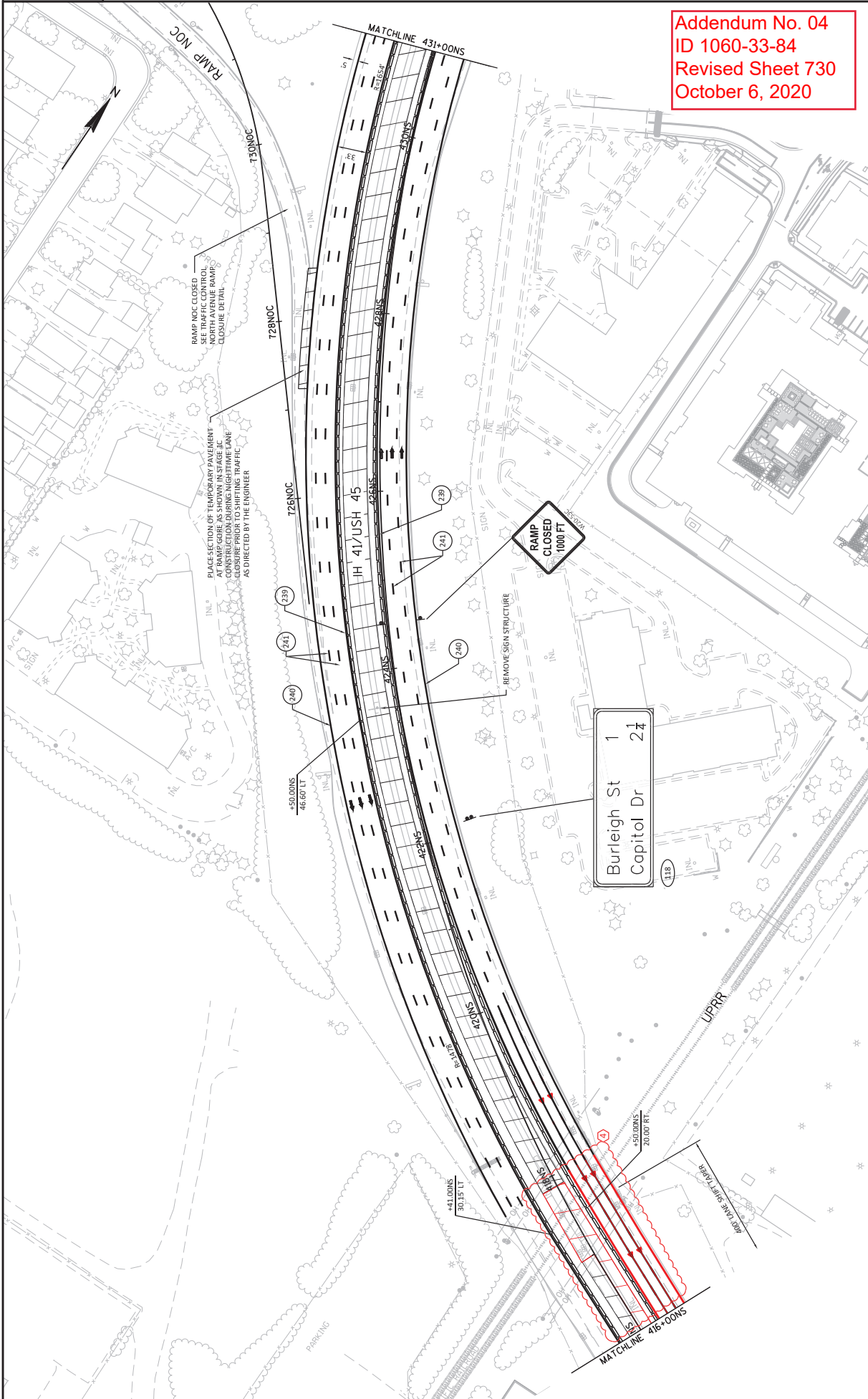
- 1 SEE SDD "51-INCH VERTICAL SHAPE CONCRETE BARRIER TO 42-INCH SINGLE SLOPE CONCRETE BARRIER TRANSITION" FOR ADDITIONAL INFORMATION.
- 2 SEE SDD "36" SINGLE SLOPE CONCRETE BARRIER TO 42" SINGLE SLOPE CONCRETE BARRIER HEIGHT TRANSITION FOR ADDITIONAL INFORMATION.
- 3 SEE SDD "32" DOUBLE FACED F SHAPE CONCRETE BARRIER TO 36" SINGLE SLOPE CONCRETE BARRIER TRANSITION LAYOUT" FOR ADDITIONAL INFORMATION.
- 4 TRANSITION RELATIVE STIFFNESS AND DETECTION OF TEMPORARY BARRIER SYSTEM AT MATCH POINT WITH TIE-DOWN SYSTEM. SEE SDD "CONCRETE BARRIER TEMPORARY PRECAST 12'-6" - FREE STANDING TRANSITION TO TIED DOWN SYSTEM" FOR ADDITIONAL INFORMATION.





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ID 1060-33-84  
Revised Sheet 729  
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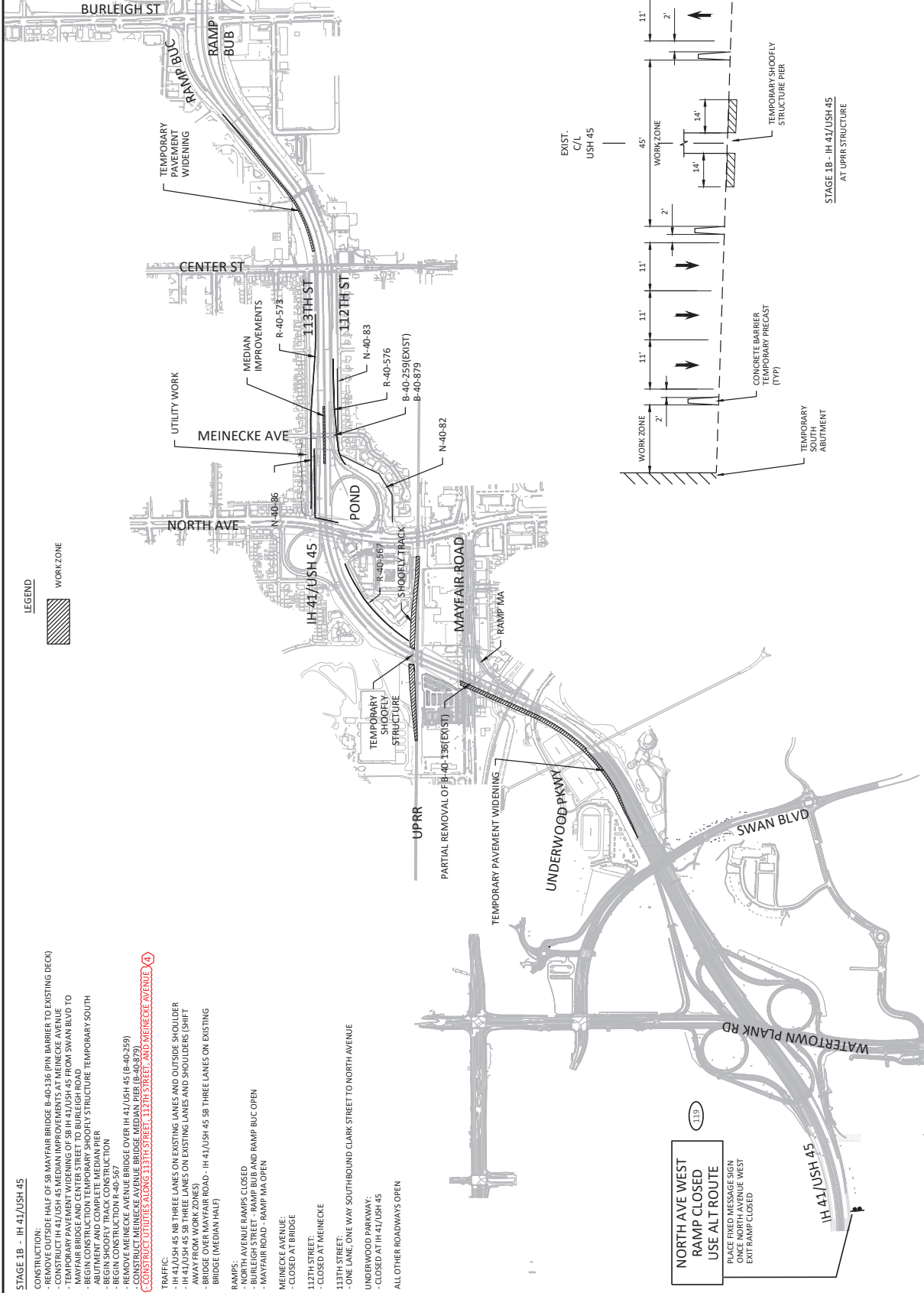
Addendum No. 04  
 ID 1060-33-84  
 Revised Sheet 730  
 October 6, 2020







Addendum No. 04  
ID 1060-33-84  
Revised Sheet 740  
October 6, 2020



STAGE 1B - IH 41/USH 45

- CONSTRUCTION:**
- REMOVE OUTSIDE HALF OF SB MAYFAIR BRIDGE R-40-136 (IN BARRIER TO EXISTING DEC)
  - CONSTRUCT IH 41/USH 45 MEDIAN IMPROVEMENTS AT MEINECKE AVENUE
  - TEMPORARY PAVEMENT WIDENING OF SB IH 41/USH 45 FROM SWAN BLVD TO MAYFAIR BRIDGE AND CENTER STREET TO BURLEIGH ROAD
  - TEMPORARY SHOOFPLY STRUCTURE TEMPORARY SOUTH ABUTMENT AND COMPLETE MEDIAN PIER
  - BEGIN SHOOFPLY TRACK CONSTRUCTION
  - BEGIN CONSTRUCTION R-40-567
  - REMOVE MEINECKE AVENUE BRIDGE OVER IH 41/USH 45 (R-40-259)
  - CONSTRUCTION OF TEMPORARY SHOOFPLY STRUCTURE AT MEINECKE AVENUE

**TRAFFIC:**

- IH 41/USH 45 NB THREE LANES ON EXISTING LANES AND OUTSIDE SHOULDER
- IH 41/USH 45 SB THREE LANES ON EXISTING LANES AND SHOULDERS (SHIFT AWAY FROM SHOULDER)
- BRIDGE OVER MAYFAIR ROAD - IH 41/USH 45 SB THREE LANES ON EXISTING BRIDGE (MEDIAN HALF)

**RAMP:**

- NORTH AVENUE RAMP(S) CLOSED
- BURLEIGH STREET - RAMP BUB AND RAMP BUC OPEN
- MAYFAIR ROAD - RAMP MA OPEN

**MEINECKE AVENUE:**

- CLOSED AT BRIDGE

**1127H STREET:**

- CLOSED AT MEINECKE

**1133H STREET:**

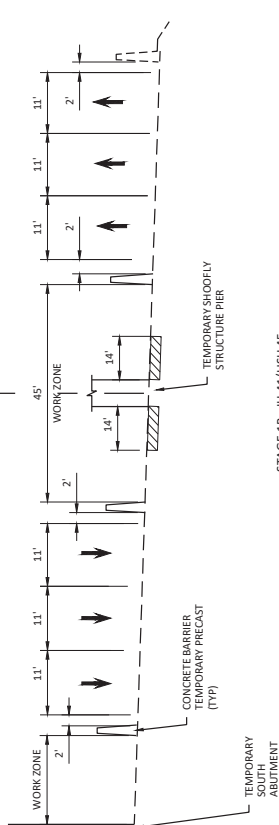
- ONE LANE, ONE WAY SOUTHBOUND CLARK STREET TO NORTH AVENUE

**UNDERWOOD PARKWAY:**

- CLOSED AT IH 41/USH 45

**ALL OTHER ROADWAYS OPEN**

NORTH AVE WEST  
RAMP CLOSED  
USE ALT ROUTE  
PLACE FIXED MESSAGE SIGN  
ONCE NORTH AVENUE WEST  
EXIT RAMP CLOSED



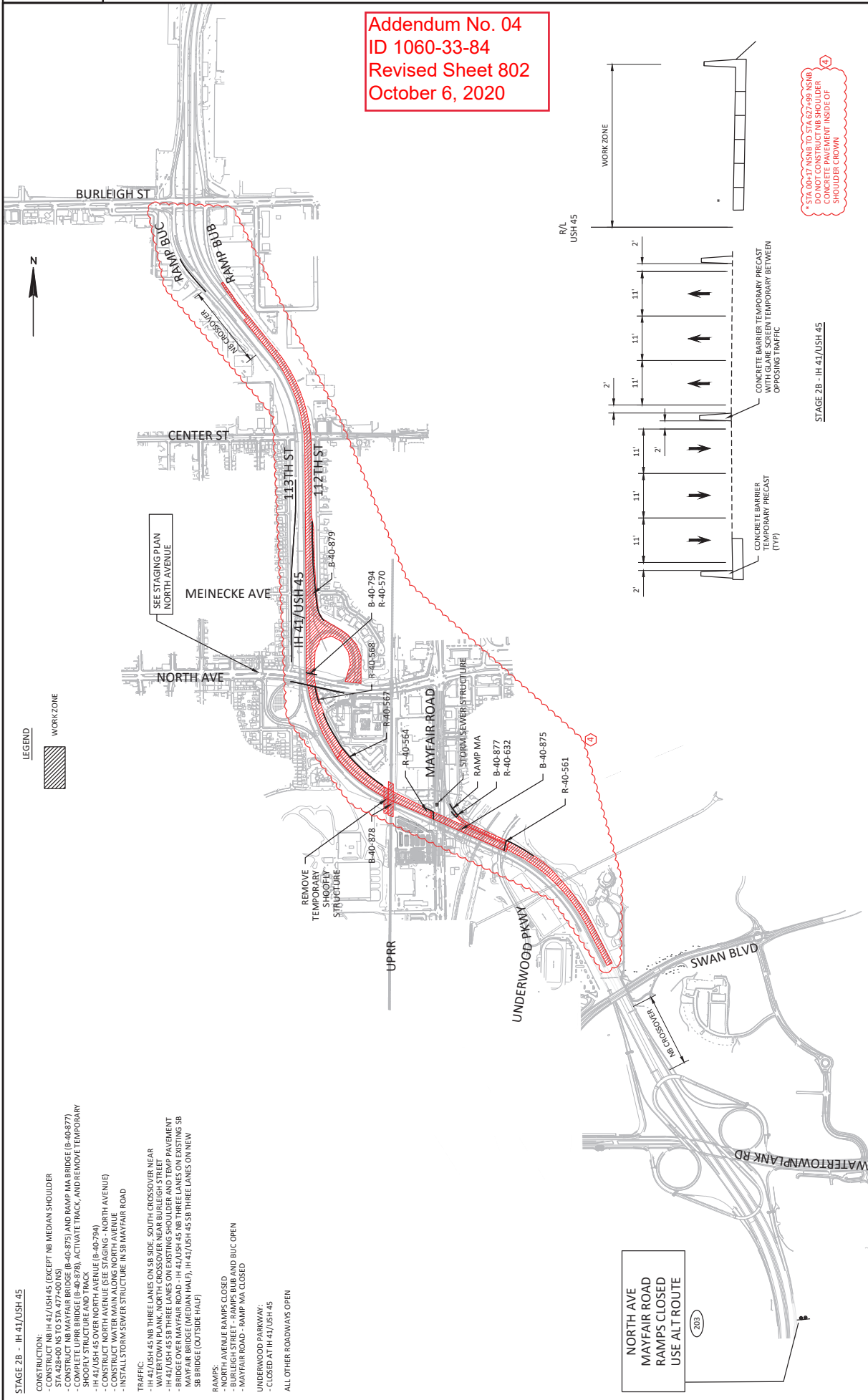
**LEGEND**







Addendum No. 04  
ID 1060-33-84  
Revised Sheet 802  
October 6, 2020



LEGEND



STAGE 2B - IH 41/USH 45

- CONSTRUCTION:
- CONSTRUCT NB IH 41/USH 45 (EXCEPT NB MEDIAN SHOULDER)
  - CONSTRUCT NB MAYFAIR BRIDGE (B-40-875) AND RAMP MA BRIDGE (B-40-877)
  - COMPLETE UPRR BRIDGE (B-40-878), ACTIVATE TRACK, AND REMOVE TEMPORARY SHOULDRY STRUCTURE AND TRACK
  - IH 41/USH 45 OVER NORTH AVENUE (B-40-794)
  - CONSTRUCT WATER MAIN ALONG NORTH AVENUE
  - CONSTRUCT WATER MAIN ALONG NORTH AVENUE
  - INSTALL STORM SEWER STRUCTURE IN SB MAYFAIR ROAD

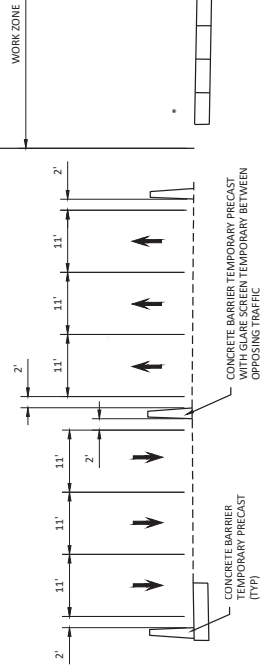
- TRAFFIC:
- I-41/USH 45 NB THREE LANES ON EB SIDE SOUTH CROSSOVER NEAR WATERTOWN PLANK NORTH CROSSOVER NEAR BURLEIGH STREET
  - IH 41/USH 45 SB THREE LANES ON EXISTING SHOULDER AND TEMP PAVEMENT BRIDGE OVER MAYFAIR ROAD - IH 41/USH 45 NB THREE LANES ON EXISTING SB MAYFAIR BRIDGE (MIDIAN HALF), IH 41/USH 45 SB THREE LANES ON NEW SB BRIDGE (OUTSIDE HALF)

- RAMPS:
- NORTH AVENUE RAMPS CLOSED
  - BURLEIGH STREET - RAMPS BUB AND BUC OPEN
  - MAYFAIR ROAD - RAMP MA CLOSED

- UNDERWOOD PARKWAY:
- CLOSED AT IH 41/USH 45

ALL OTHER ROADWAYS OPEN

NORTH AVE  
MAYFAIR ROAD  
RAMPS CLOSED  
USE ALT ROUTE

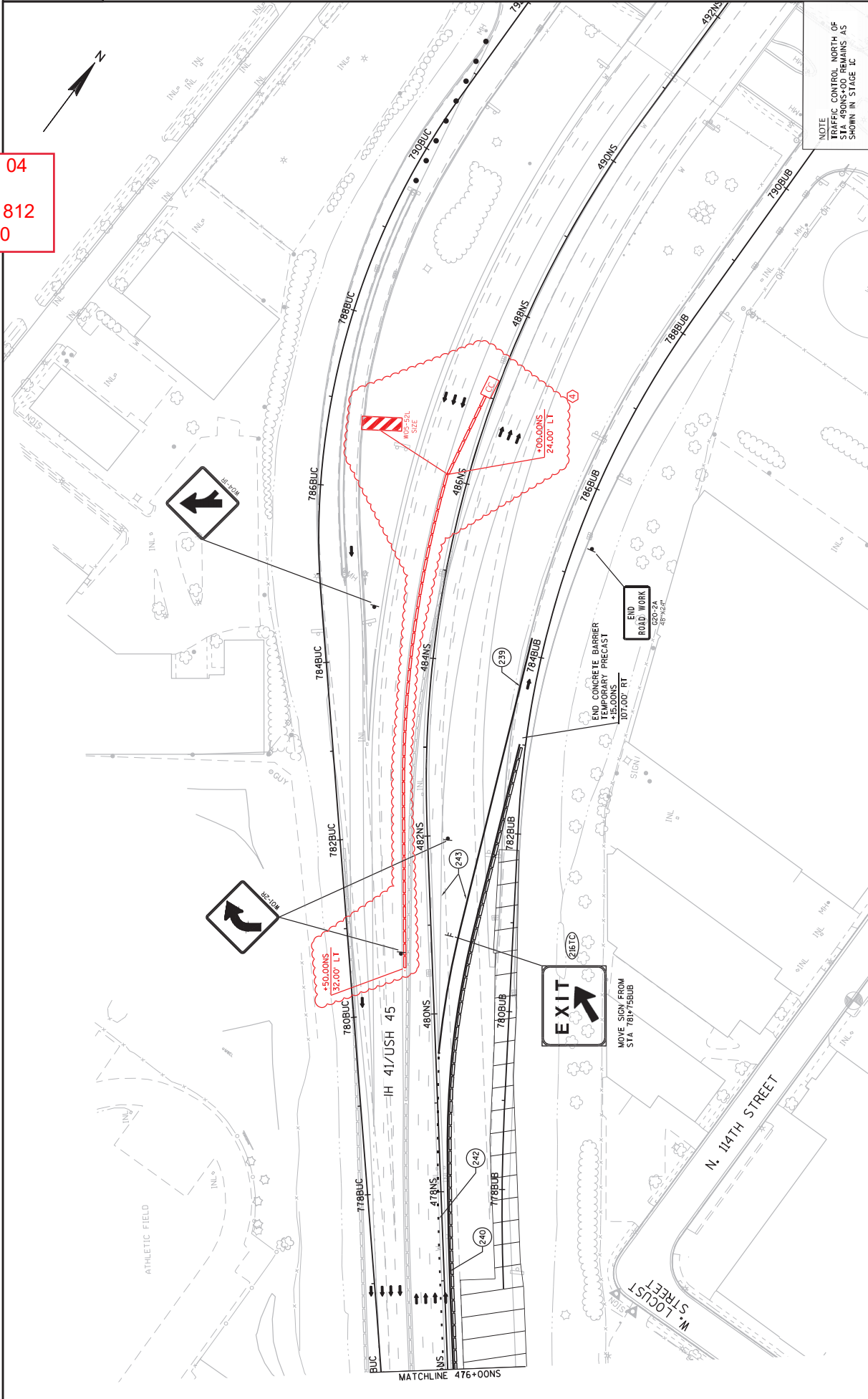


\* STA 00+17 NSNB TO STA 627+99 NSNB  
DO NOT CONSTRUCT NB SHOULDER  
CONCRETE BARRIER INSIDE OF  
SHOULDER CRASH

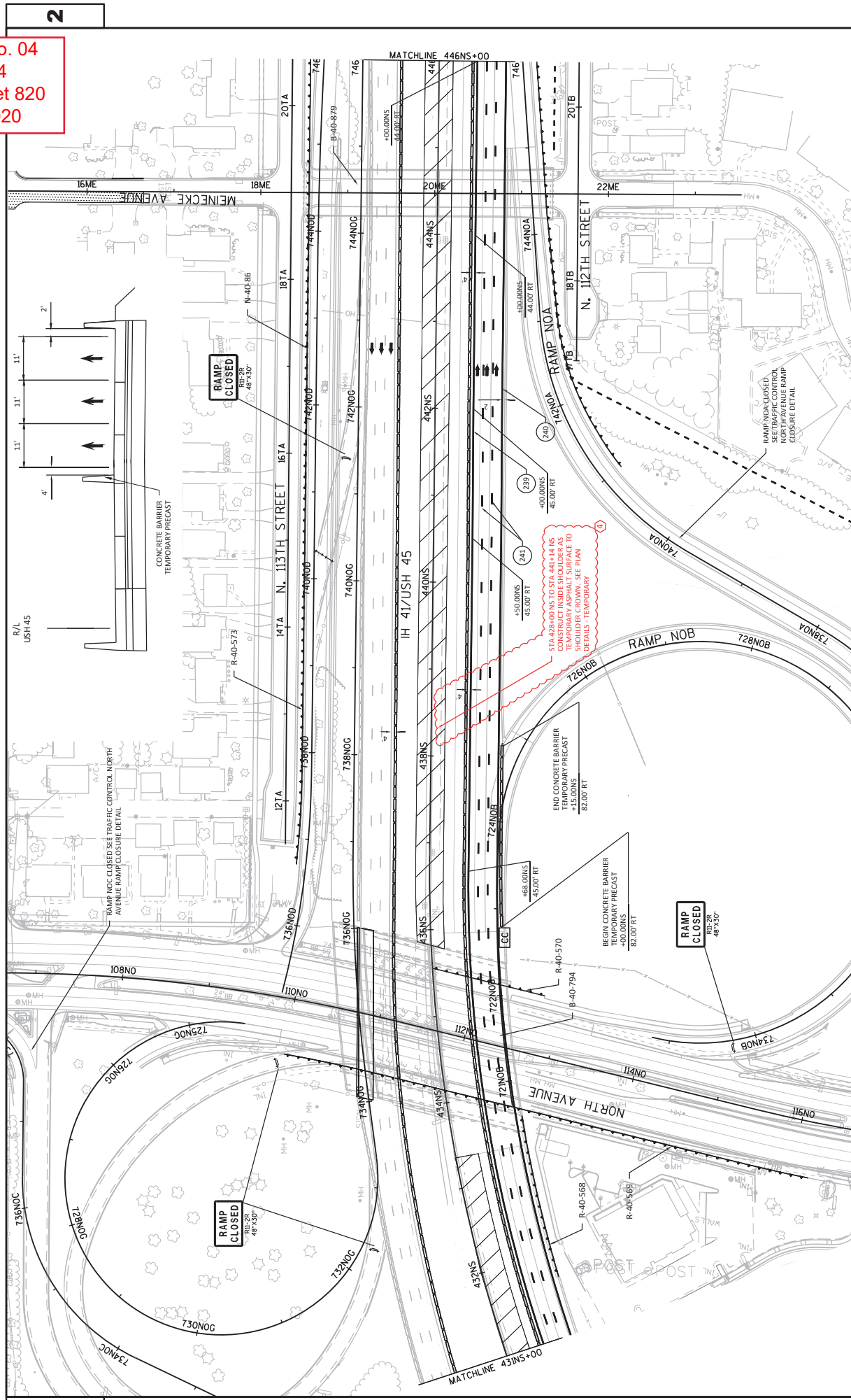
STAGE 2B - IH 41/USH 45



Addendum No. 04  
ID 1060-33-84  
Revised Sheet 812  
October 6, 2020



Addendum No. 04  
 ID 1060-33-84  
 Revised Sheet 820  
 October 6, 2020



2

2

E	SHEET 820	WSDOT/CADD SHEET 42
PROJECT NO: 1060-33-84		
COUNTY: MILWAUKEE		
TRAFFIC CONTROL - IH 41/ USH 45 STAGE 3		
HWY: IH 41		
PLOT DATE : 10/3/2020 11:21 PM		
PLOT BY : SCHARLAU, DAVID A		
PLOT NAME :		
PLOT SCALE : 1 IN=100 FT		
FILE NAME : W:\NPS\C30\10603316\BA\DSN\PLAN\F45_TRAFFIC_CONTROL\028302.S3.DWG		
LAYOUT NAME - 028302.S3 - 07		

REMOVING MODULAR BLOCK WALL

4

STAGE	ROADWAY	STATION	TO	STATION	OFFSET	LF
2	<u>PROJECT ID 1060-33-84</u> RAMP NOD	735+75NOD	-	736+00NOD	LT	120
	LOCAL ROADS					
	MAYFAIR RD.	585+85M	-	597+00M	LT	125
<b>PROJECT ID 1060-33-84 TOTAL</b>						<b>245</b>

SPV.0090.0003  
REMOVING  
MODULAR  
BLOCK  
RETAINING WALL

SURVEY PROJECT

STAGE	LOCATION	PROJECT	LS
ALL		1	1
<b>TOTAL</b>			<b>1</b>

SPV.0105.0604 SURVEY PROJECT 1060-33-84  
SPV.0105.0605 SURVEY PROJECT 1060-34-77

3

VIBRATION MONITORING

STAGE	LOCATION	MON
ALL	<u>PROJECT ID 1060-33-84</u>	32
<b>TOTAL</b>		<b>32</b>

SPV.0135.0601  
VIBRATION  
MONITORING

MOBILIZATION

STAGE	LOCATION	MOBILIZATION EACH
ALL	<u>PROJECT ID 1060-33-84</u>	0.995
	<u>PROJECT ID 1060-34-77</u>	0.001
<b>TOTAL</b>		<b>0.996</b>

619.1000  
MOBILIZATION

Addendum No. 04  
ID 1060-33-84  
Revised Sheet 972  
October 6, 2020

PROJECT NO: 1060-33-84

HWY: IH 41

COUNTY: MILWAUKEE

MISCELLANEOUS QUANTITIES

FILENAME:

PLOTBY:

PLOTNAME:

SHEET: 972

E

\*ADDITIONAL QUANTITIES FOUND ELSEWHERE  
CATEGORY 1000 UNLESS OTHERWISE NOTED

PLOT SCALE: 1:1

3



4

BASE AGGREGATE ITEMS

STAGE	ROADWAY	STATION	TO	STATION	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	312.0110 SELECT CRUSHED MATERIAL TON
1	<b>PROJECT ID 1060-33-84</b>					
	<b>MAINLINE</b>					
	IH.41 TEMPORARY	385+90NS	-	388+00NS	3,329	3,264
		385+00NS	-	403+00NS	3,086	3,619
		413+35NS	-	434+24NS	6,422	4,623
		412+80NS	-	432+83NS	3,892	4,658
		439+25NS	-	447+50NS	1,030	1,203
		436+07NS	-	482+00NS	12,164	11,836
		471+00NS	-	485+00NS	3,773	4,411
		481+30NS	-	484+00NS	248	290
		480+00NS	-	483+00NS	245	287
		TEMPORARY STORM SEWER			898	--
	113TH STREET	11+50TA	-	27+50TA	3,056	--
	<b>MEINECKE AVENUE</b>					
		15+05ME	-	16+65ME	102	--
	112TH STREET	17+30TB	-	20+80TB	824	--
		TEMPORARY UNDISTRIBUTED			120	--
	<b>SUBTOTALS</b>				<b>39,289</b>	<b>35,981</b>
2	<b>PROJECT ID 1060-33-84</b>					
	<b>MAINLINE</b>					
	IH.41 NE	385+69NS	-	403+20NS	6,558	16,613
		413+17NS	-	433+23NS	6,483	16,424
		435+61NS	-	477+00NS	14,366	36,392
		477+00NS	-	486+00NS	921	1,134
		TEMPORARY STORM SEWER			395	--
	IH.41 TEMPORARY	386+00NS	-	384+00NS	1,065	--
		471+00NS	-	475+00NS	804	--
		480+00NS	-	485+00NS	702	--
	<b>RAMPS</b>					
	MA	810+90MA	-	600+00M	456	1,156
	NOA	119+04NO	-	745+00NOA	2,259	5,722
	NOB	723+66NOB	-	724+65NOB	1,313	3,327
	<b>LOCAL ROADS</b>					
	NORTH AVENUE	97+19NO	-	120+49NO	17,203	21,790
	116TH STREET	CUL-DE-SAC			225	--

BASE AGGREGATE ITEMS (CONTINUED)

STAGE	ROADWAY	STATION	TO	STATION	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	312.0110 SELECT CRUSHED MATERIAL TON
	<b>MAVFAIR ROAD</b>					
		593+42M	-	595+62M	295	--
	<b>SUBTOTALS</b>				53,045	102,558
2	<b>PROJECT ID 1060-34-77</b>					
	<b>LOCAL ROADS</b>					
	116TH ST	160+00TX	-	162+75TX	1,200	1,519
		164+09TX	-	167+70TX	436	552
	<b>SUBTOTALS</b>				1,636	2,071
3	<b>PROJECT ID 1060-33-84</b>					
	<b>MAINLINE</b>					
	IH.41 TEMPORARY	386+00NS	-	394+00NS	1,065	--
		471+00NS	-	477+00NS	407	--
		481+00NS	-	485+25NS	600	--
	IH.41	459+00NS	-	471+00NS	--	1,215
	<b>SUBTOTALS</b>				2,072	1,215
4	<b>PROJECT ID 1060-33-84</b>					
	<b>MAINLINE</b>					
	IH.41 SB	385+90NS	-	402+98NS	5,467	13,849
		412+65NS	-	433+74NS	7,395	18,734
		436+17NS	-	486+00NS	14,981	36,753
	<b>RAMPS</b>					
	ELC	779+62BUC	-	791+23BUC	2,843	7,203
	NOC	726+87NOC	-	737+50NOC	2,281	5,778
	NOD	735+68NOD	-	747+90NOD	2,879	7,293
	NOG	109+91NO	-	748+93NOG	1,270	3,217
	<b>SUBTOTALS</b>				37,116	92,827

BASE AGGREGATE ITEMS (CONTINUED)

STAGE	ROADWAY	STATION	TO	STATION	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	312.0110 SELECT CRUSHED MATERIAL TON
5	<b>PROJECT ID 1060-33-84</b>					
	<b>MAINLINE</b>					
	IH.41 NE	370+90NS	-	385+90NS	1,013	2,160
	IH.41 SB	370+90NS	-	385+90NS	1,013	2,160
	<b>LOCAL ROADS</b>					
	UNDERWOOD CREEK PARKWAY				651	--
	<b>SUBTOTALS</b>				2,677	4,320

4

ALL CORE SYSTEM RAMPS

RAMPS CS	573+00CS	-	575+13CS	240	584
	578+54CS	-	579+46CS	90	21
RAMPS WS	588+90WS	-	591+29WS	250	70
<b>SUBTOTALS</b>				580	675
<b>PROJECT ID 1060-33-84 TOTAL</b>				134,779	237,586
<b>PROJECT ID 1060-34-77 TOTAL</b>				1,636	2,071
<b>TOTAL</b>				136,415	239,657

Addendum No. 04  
ID 1060-33-84  
Revised Sheet 975  
October 6, 2020

\*ADDITIONAL QUANTITIES FOUND ELSEWHERE  
CATEGORY 1000 UNLESS OTHERWISE NOTED

SHEET: 975

MISCELLANEOUS QUANTITIES

COUNTY: MILWAUKEE

HWY: IH 41

PROJECT NO: 1060-33-84

PLOT NAME: \_\_\_\_\_

PLOT BY: \_\_\_\_\_

PLOT DATE: \_\_\_\_\_

PLOT SCALE: 1:1

4

Addendum No. 04  
ID 1060-33-84  
Revised Sheet 977  
October 6, 2020

CONCRETE PAVEMENT ITEMS

STAGE	ROADWAY	STATION	TO	STATION	SY	415.0410 CONCRETE PAVEMENT APPROACH SLAB	415.1410 CONCRETE PAVEMENT APPROACH SLAB HES	SPV.0180.0101 CONCRETE PAVEMENT 12-INCH SPECIAL	SPV.0180.0102 CONCRETE PAVEMENT HES 12-INCH SPECIAL	SPV.0180.0103 CONCRETE PAVEMENT 10-INCH SPECIAL
2		<u>PROJECT ID 1060-33-84</u>								
		<u>MAINLINE</u>								
		<u>IH 41 NB</u>								
		385+89NS	-	403+20NS	-			18,987		
		413+17NS	-	433+23NS	-			17,945		
		435+87NS	-	477+00NS	-			39,334		
		403+25NS			185					
		412+75NS			260					
		433+50NS			286					
		435+85NS			239					
		<u>RAMPS</u>								
		<u>MA</u>								
		802+82MA	-	804+07MA	-			408		
		810+90MA	-	814+28MA	-				1,038	
		804+00MA			41					
		811+00MA			46					
		<u>NOA</u>								
		731+68NOA	-	745+00NOA	-					6,030
		<u>NOB</u>								
		723+66NOB	-	724+85NOB	-			317		
		725+00NOB	-	733+50NOB	-					3,640
		<u>BUB</u>								
		776+99BUB	-	781+81BUB	-			1,379		
		<u>SUBTOTALS</u>			1,057			78,370		10,708

(CONTINUED ON NEXT SHEET)

\*ADDITIONAL QUANTITIES FOUND ELSEWHERE  
CATEGORY 1000 UNLESS OTHERWISE NOTED

PROJECT NO: 1060-33-84

HWY: IH 41

COUNTY: MILWAUKEE

MISCELLANEOUS QUANTITIES

SHEET: 977

E

FILENAME:

PLOT DATE:

PLOT NAME:

PLOT SCALE: 1:1

CONCRETE PAVEMENT ITEMS (CONTINUED)

4

STAGE	ROADWAY	STATION	TO	STATION	415.0410 CONCRETE PAVEMENT APPROACH SLAB	415.1410 CONCRETE PAVEMENT APPROACH SLAB HES	SPV.0180.0101 CONCRETE PAVEMENT 12-INCH SPECIAL	SPV.0180.0102 CONCRETE PAVEMENT HES 12-INCH SPECIAL	SPV.0180.0103 CONCRETE PAVEMENT 10-INCH SPECIAL
					SY	SY	SY	SY	SY
4	PROJECT ID 1060-33-84 MAINLINE IH 41 SB	385+90NS	-	402+98NS	-	-	15,622	-	-
		412+65NS	-	433+74NS	-	-	19,566	-	-
		436+17NS	-	477+00NS	-	-	37,287	-	-
		477+00NS	-	484+55NS	-	-	2,026	-	-
		403+15NS	-	412+45NS	182	-	-	-	-
		412+45NS	-	433+80NS	251	-	-	-	-
		433+80NS	-	442+26SL	242	-	-	-	-
		436+00NS	-	436+00NS	205	-	-	-	-
	RAMPS								
	BUC	779+62BUC	-	792+51BUC	-	-	-	6,726	-
	NOC	726+87NOC	-	737+45NOC	-	-	-	6,374	-
	NOD	735+68NOD	-	747+90NOD	-	-	-	3,917	-
	NOG	725+00NOG	-	747+88NOG	-	-	-	7,481	-
		733+90NOG	60	735+85NOG	59	-	-	-	-
		747+89NOG	-	748+93NOG	-	-	524	-	-
5	PROJECT ID 1060-33-84 MAINLINE IH 41 NB	370+90NS	-	385+90NS	-	-	2,389	-	-
	IH 41 SB	370+90NS	-	385+90NS	-	-	2,389	-	-
	SUB TOTALS				989	-	79,802	-	24,498
ALL	PROJECT ID 1060-33-84 CORE SYSTEM RAMPS	573+00CS	-	575+13CS	-	-	-	619	-
	RAMP WS	578+54CS	-	579+46CS	-	-	-	290	-
		588+90WS	-	591+29WS	-	-	-	737	-
	HWY 100 ON RAMP								
	RAMP SL	441+96SL	-	442+26SL	55	-	-	55	-
	SUB TOTALS				55	-	-	1,701	-
	PROJECT ID 1060-33-84 TOTAL				2,056	55	158,172	1,701	35,206

Addendum No. 04  
ID 1060-33-84  
Revised Sheet 978  
October 6, 2020

\*ADDITIONAL QUANTITIES FOUND ELSEWHERE  
CATEGORY 1000 UNLESS OTHERWISE NOTED

SHEET: 978 E

PROJECT NO: 1060-33-84

FILENAME: \_\_\_\_\_

COUNTY: MILWAUKEE

MISCELLANEOUS QUANTITIES

PROJECT NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

PLOT BY: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

PLOT SCALE: 1:1

PERMANENT CRASH CUSHIONS



614.0805

CRASH CUSHIONS

PERMANENT

LOW MAINTENANCE

EACH

LOCATION

STAGE

ROADWAY

BACK WIDTH FT

OBJECT MARKING PATTERN

CRASH TEST LEVEL

TRAFFIC DIRECTION

TRAFFIC LOCATION

CRASH CUSHION SHIELDS

1 PROJECT ID:1060-33-84

LOCAL ROADS

MAYFAIR ROAD

593+51M, 1.9' RT

1

2

OM-3L (W5-58L SIGN PLATE)

TL-2

BIDIRECTIONAL

L AND R

PERMANENT CONCRETE BARRIER IN MEDIAN

2 RAMPS

MA

802+70MA, 22.3' LT

1

2

OM-3C (W5-58M SIGN PLATE)

TL-3

UNIDIRECTIONAL

L AND R

PERMANENT CONCRETE BARRIER IN GORE

NOA

733+42NOA, 18.0' RT

1

2

OM-3R (W5-58R SIGN PLATE)

TL-2

UNIDIRECTIONAL

L

PERMANENT CONCRETE BARRIER ON SHOULDER

NOB

724+78NOB, 20.8' LT

1

2

OM-3C (W5-58M SIGN PLATE)

TL-3

UNIDIRECTIONAL

L AND R

PERMANENT CONCRETE BARRIER IN GORE

RAMPS

NOD

744+66NOD, 21.8' RT

1

2

OM-3C (W5-58M SIGN PLATE)

TL-3

UNIDIRECTIONAL

L AND R

PERMANENT CONCRETE BARRIER IN GORE

NOG

749+32NOG, 7.3' RT

1

2

OM-3C (W5-58M SIGN PLATE)

TL-3

UNIDIRECTIONAL

L AND R

PERMANENT CONCRETE BARRIER IN GORE

BUC

790+73BUC, 18.0' LT

1

2

OM-3R (W5-58R SIGN PLATE)

TL-2

UNIDIRECTIONAL

L

PERMANENT CONCRETE BARRIER ON SHOULDER

PROJECT ID 1060-33-84 TOTAL

7

Addendum No. 04  
ID 1060-33-84  
Revised Sheet 981  
October 6, 2020

\*ADDITIONAL QUANTITIES FOUND ELSEWHERE  
CATEGORY 1000 UNLESS OTHERWISE NOTED

PROJECT NO:1060-33-84

HWY:JH 41

COUNTY:MILWAUKEE

MISCELLANEOUS QUANTITIES

SHEET: 981

E

FILENAME:

PLOT DATE:

PLOT BY:

PLOT NAME:

PLOT SCALE: 1:1

ASPHALTIC ITEMS

STAGE	ROADWAY	STATION	TO	STATION	455.0605	460.5223	460.5224	460.5225	460.6223	460.6224	460.7424	465.0120	465.0125	460.4000	COMMENTS	
					TACK COAT GAL	PAVEMENT 3LT 58-28S TON	PAVEMENT 4LT 58-28S TON	PAVEMENT 5LT 58-28S TON	PAVEMENT 3MT 58-28S TON	PAVEMENT 4MT 58-28S TON	PAVEMENT 4HT 58-28H TON	SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	ASPHALTIC SURFACE TEMPORARY TON	HMA COLD WEATHER PAVING TON		
1	<b>PROJECT ID 1060-33-84</b>															
	<b>MAINLINE</b>															
	<b>IH 41 TEMPORARY</b>															
		385+00NS	-	403+00NS	429	-	-	-	-	-	-	-	1,768	1,768	MEDIAN	
		385+68NS	-	491+00NS	2,714	-	-	-	-	-	-	-	6,242	6,242	IH 41 SB MILL & OVERLAY	
		385+89NS	-	491+00NS	250	-	-	-	-	-	-	-	290	290	IH 41 NB FULL LANE REPAIR	
		385+90NS	-	398+00NS	387	-	-	-	-	-	-	-	1,594	1,594	OUTSIDE	
		412+80NS	-	432+83NS	555	-	-	-	-	-	-	-	2,322	2,322	MEDIAN	
		413+38NS	-	434+24NS	758	-	-	-	-	-	-	-	3,124	3,124	OUTSIDE	
		436+07NS	-	482+00NS	1,402	-	-	-	-	-	-	-	5,782	5,782	OUTSIDE	
		439+25NS	-	447+50NS	145	-	-	-	-	-	-	-	600	600	MEDIAN	
		471+00NS	-	485+00NS	522	-	-	-	-	-	-	-	2,155	2,155	MEDIAN	
		481+30NS	-	484+00NS	34	-	-	-	-	-	-	-	142	142	RAMP	
		480+00NS	-	483+00NS	34	-	-	-	-	-	-	-	140	140	GORE	
	<b>RESTORATION STRUCTURES</b>															
		VARIOUS														
	113TH STREET	11+54TA	-	35+15TA	376	679	798	-	-	-	-	-	-	-	150	
	MEINCKE AVENUE	15+05ME	-	16+65ME	35	35	54	-	-	-	-	-	-	-	-	
	112TH STREET	17+35TB	-	33+00TB	250	183	532	-	-	-	-	-	-	-	70	TEMPORARY FOR ACCESS
		TEMPORARY UNDISTRIBUTED			8	-	-	-	-	-	-	-	-	-	-	
	<b>SUBTOTALS</b>				7,916	897	1,384	-	-	-	-	-	24,379	24,159		
2	<b>PROJECT ID 1060-33-84</b>															
	<b>MAINLINE</b>															
	<b>IH 41 NB</b>															
		477+00NS	-	486+00NS	210	-	-	-	483	-	546	-	-	-	-	
	IH 41 TEMPORARY	600+17NSNB	-	614+90NSNB	95	-	-	-	-	-	-	-	429	-	-	NB MEDIAN SHOULDER
		622+81NSNB	-	627+99NSNB	35	-	-	-	-	-	-	-	155	-	-	NB MEDIAN SHOULDER
	RAMPS															
	ELB	781+81BUB	-	790+66BUB	144	-	-	-	-	305	-	-	-	-	-	
	LOCAL ROADS															
	NORTH AVENUE															
		97+19NO	-	99+25NO	26	-	-	-	-	-	-	70	-	-	-	DRIVEWAYS & PARKING LOTS
		95+00NO	-	99+25NO	1,168	-	-	-	49	32	-	-	-	-	-	
		120+50NO	-	124+75NO	209	-	-	-	4,731	3,125	-	-	-	-	-	
									-	440	-	-	-	-	-	
	114TH STREET				26	68	54	-	-	-	-	-	-	-	-	
	PARKING LOT															
	<b>SUBTOTALS</b>				1,913	68	54	-	5,263	3,902	546	1,211	584	-	-	

(CONTINUED ON NEXT SHEET)

\*ADDITIONAL QUANTITIES FOUND ELSEWHERE

CATEGORY 1000 UNLESS OTHERWISE NOTED

PROJECT NO: 1060-33-84	COUNTY: MILWAUKEE	MISCELLANEOUS QUANTITIES	SHEET: 982
FILENAME: _____	PLOT DATE: _____	PLOT NAME: _____	PLOT SCALE: 1:1

Addendum No. 04  
 ID 1060-33-84  
 Revised Sheet 982  
 October 6, 2020

ASPHALTIC ITEMS (CONTINUED)

STAGE	ROADWAY	STATION	TO	STATION	455.0605 TACK COAT	460.5223 HMA PAVEMENT 3LT 58-28S	460.5224 HMA PAVEMENT 4LT 58-28S	460.5225 HMA PAVEMENT 5LT 58-28S	460.6224 HMA PAVEMENT 4MT 58-28S	460.7424 HMA PAVEMENT 4HT 58-28H	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	465.0125 ASPHALTIC SURFACE TEMPORARY	450.4000 HMA COLD WEATHER PAVING	COMMENTS
2	PROJECT ID 1060-3477 LOCAL ROADS 116TH STREET	160+00TX	-	162+75TX	76	-	-	-	202	-	-	-	-	-
		164+09TX	-	167+70TX	217	-	-	125	203	-	-	-	-	-
					283	-	-	431	405	-	-	-	-	-
		SUBTOTALS												
3	PROJECT ID 1060-33-84 MAINLINE IH41 TEMPORARY	366+00NS	-	394+00NS	98	-	-	-	-	-	-	405	405	MEDIAN
		471+90NS	-	477+00NS	56	-	-	-	-	-	-	232	232	MEDIAN
		481+00NS	-	485+25NS	83	-	-	-	-	-	-	343	343	MEDIAN
		614+90NSNB	-	620+23NSNB	39	-	-	-	-	-	-	173	173	NB MEDIAN SHOULDER
					276	-	-	-	-	-	-	1,153	1,153	-
		SUBTOTALS												
4	PROJECT ID 1060-33-84 MAINLINE IH41 SB	477+00NS	-	486+00NS	210	-	-	-	483	546	-	-	-	-
	RAMPS BUC	792+44BUC	-	792+65BUC	1	-	-	-	6	-	-	-	-	-
	LOCAL ROADS MAYFAIR ROAD	591+50M	-	600+50M	317	-	-	-	673	-	-	-	-	MILL AND OVERLAY AREA
		SOUTHBOUND	-		30	-	-	-	36	-	-	-	-	LANE ONE - SEE TYPICAL SECTION
		NORTHBOUND	-		4	-	-	-	9	-	-	-	-	LANE ONE - SEE TYPICAL SECTION
					562	-	-	-	724	546	-	-	-	-
		SUBTOTALS												
5	PROJECT ID 1060-33-84 MAINLINE UNDERWOOD PARKWAY	48+60UC	-	52+00UC	44	155	-	107	-	-	-	-	-	-
					44	155	-	107	-	-	-	-	-	-
					600	-	-	-	-	2,500	-	-	-	-
		SUBTOTALS												
		PROJECT ID 1060-33-84 UNDISTRIBUTED												
					11,311	1,120	1,438	107	4,626	3,592	1,211	28,616	25,312	-
		PROJECT ID 1060-33-84 TOTAL												
		PROJECT ID 1060-34-77 TOTAL												

Addendum No. 04  
ID 1060-33-84  
Revised Sheet 983  
October 6, 2020

\*ADDITIONAL QUANTITIES FOUND ELSEWHERE  
CATEGORY 1000 UNLESS OTHERWISE NOTED

SHEET: 983

MISCELLANEOUS QUANTITIES

COUNTY: MILWAUKEE

HWY: IH 41

PROJECT NO: 1060-33-84

PLOT SCALE: 1:1

PLOT/MA

PLOT BY:

PLOT DATE:

Addendum No. 04  
ID 1060-33-84  
Added Sheet 1011A  
October 6, 2020

ICE FOR ROADWAY CONCRETE BARRIER

STAGE	LOCATION	WEATHER CONCRETING LB
ALL	PROJECT ID 1060-33-84	90,000
<b>TOTAL</b>		<b>90,000</b>

TEMPORARY ACCESS GATES AT RAIL ROAD

LOCATION	SPV 0060.0170 TEMPORARY ACCESS GATES AT CPRR EACH	SPV 0060.0171 TEMPORARY CROSSING AT CPRR EACH
CPRR	4	2
<b>PROJECT ID 1060-33-84 TOTAL</b>		<b>4 2</b>

\*ADDITIONAL QUANTITIES FOUND ELSEWHERE  
CATEGORY 1000 UNLESS OTHERWISE NOTED

SHEET: 1011A E

MISCELLANEOUS QUANTITIES

COUNTY: MILWAUKEE

HWY: IH 41

PROJECT NO: 1060-33-84

FILENAME: \_\_\_\_\_

PLOTBY: \_\_\_\_\_

PLOTDATE: \_\_\_\_\_

PLOTNAME: \_\_\_\_\_

PLOTSCALE: 1:1

EARTH WORK SUMMARY

Division	From/To Station	Location	A (CY)	B (CY)	C (TON)	D (CY)	E (TON)	F (CY)	(2) (5)	(2) (CY)	(2) (CY)	(6)	(3)	(4)	(5)
			Total Cut Volume	205.0100 Excavation Common	205.0501.S.0001 Excavation, Hauling, and Disposal of Petroleum Contaminated Soil	SPV. 0035.0003 Excavation, Hauling, and Reuse of Low-Level Contaminated Soil	SPV. 0195.0004 Excavation, Hauling, and Disposal of Low-Level Contaminated Soil	SPV. 0035.0001 Excavation EBS	Available Material	SPV. 0035.0002 EBS Backfill (CY)	209.1100 Backfill Granular Grade 1 (CY)	SPV. 0195.0001 Fly Ash Stabilization	Unexpanded Fill	Expanded Fill	Waste
			(CY)	(CY)	(TON)	(CY)	(TON)	(CY)	(CY)	(CY)	(CY)		(CY)	(CY)	(CY)
1	386+00NS TO 398+00NS	MAINLINE	14,635	14,635	0	0	0	483	14,635	483	--	43	279	307	14,328
	413+35NS TO 434+00NS	SB	12,305	12,305	0	0	0	951	12,305	951	--	84	713	784	11,521
	436+00NS TO 482+00NS	TEMP WIDENING	34,981	34,981	0	0	0	1,752	34,981	1,752	--	154	5,171	5,688	29,293
	385+00NS TO 403+00NS	MAINLINE	2,755	2,755	0	0	0	536	2,755	536	--	47	99	109	2,646
	418+00NS TO 432+50NS	TEMP MEDIUM	4,592	4,592	0	0	0	534	4,592	534	--	47	0	0	4,592
	442+00NS TO 447+50NS	TEMP MEDIUM	1,110	1,110	0	0	0	144	1,110	144	--	13	0	0	1,110
	474+00NS TO 477+00NS	TEMP MEDIUM	4,463	4,463	0	0	0	653	4,463	653	--	57	60	66	4,397
	97+19 TO 100+00	LOCAL	2,002	2,002	0	0	0	624	2,002	624	--	--	16	17	1,985
	100+50 TO 120+50	W. NORTH AVE EB	17,071	6,844	782	4,000	9,804	4,444	10,844	4,444	--	--	26	28	10,815
	100+50 TO 120+50	W. NORTH AVE WB	21,001	10,700	0	4,000	10,712	4,444	14,700	4,444	--	--	19	21	14,679
	88+75 TO 89+00	PRIVATE DRIVE	89	89	0	0	0	278	89	278	--	--	0	0	89
	22+00 TO 23+50	W. MEINECKE AVE	626	626	0	0	0	333	626	333	--	--	28	31	595
	17+50 TO 30+26	112TH ST	3,782	3,782	0	0	0	2,836	3,782	2,836	--	--	649	714	3,068
	16+80 TO 18+00	W. MEINECKE AVE	1,148	1,148	0	0	0	267	1,148	267	--	--	64	70	1,077
	11+60 TO 32+03	113TH ST	10,568	10,568	0	0	0	4,540	10,568	4,540	--	--	162	178	10,390
	160+00 TO 168+00	116TH ST	3,248	3,248	0	0	0	1,778	3,248	1,778	--	--	12	14	3,234
	8+50 TO 17+50	UPRR	1,176	1,176	0	0	0	0	1,176	0	6,673	--	6,144	--	1,176
	17+40 TO 17+80	TEMP SHOOFLY	80	80	0	0	0	0	80	0	0	--	0	--	80
	16+55 TO 17+40	TEMP SHOOFLY	0	0	0	0	0	0	0	0	380	--	380	--	0
	11+50 TO 17+50	FINAL CONFIG	1,049	1,049	0	0	0	0	1,049	0	2,652	--	2,596	--	1,049
	17+30 TO 17+60	FINAL CONFIG	550	550	0	0	0	0	550	0	0	--	0	--	550
	9+50 TO 17+50	FINAL CONFIG	5,060	5,060	0	0	0	0	5,060	0	0	--	0	--	5,060
	UNDISTRIBUTED	-	780	780	0	0	0	0	780	0	990	--	0	--	780
			143,072	122,543	782	8,000	20,516	24,597	130,543	24,597	10,695	445	16,418	8,028	122,515

(CONTINUED ON NEXT SHEET)

Addendum No. 04  
 ID 1060-33-84  
 Revised Sheet 1012  
 October 6, 2020

CATEGORY 1000 UNLESS OTHERWISE NOTED  
 SHEET: 1012

MISCELLANEOUS QUANTITIES  
 PLOT BY: PLOT DATE: PLOT NO:

COUNTY: MILWAUKEE

HWY: IH 41

PROJECT NO: 1060-33-84



EARTH WORK SUMMARY (CONTINUED)													
Division	From/To Station	A	B	C	D	E	F	SPV. 0035.0002 EBS Backfill (CY)	209.1100 Backfill Granular Grade 1 (CY) (8)	SPV. 0195.0001 Fly Ash Stabilization (6)	Unexpanded Fill (3)	Expanded Fill (4)	Waste (5)
	Location	Total Excavation Common Volume (CY)	205.0501.S.0001 Excavation, Hauling, and Disposal of Petroleum Contaminated Soil (TON)	SPV. 0035.0003 Excavation, Hauling, and Reuse of Low-Level Contaminated Soil (CY) (7)	SPV. 0195.0004 Excavation, Hauling, and Disposal of Low-Level Contaminated Soil (TON)	SPV. 0035.0001 EBS Excavation (CY) (5)	Available Material (CY)	Factor 1.00				Factor 1.10	
		(CY) (1)	(TON)	(CY) (7)	(TON)	(CY) (5)	(CY)		(CY) (8)		(3)	(4)	(5)
					TON = CY*1.7								
4	385+50 TO 200+00	86,636	0	0	0	10,500	86,636	10,500	--	924	1,211	1,333	85,303
	480+00 TO 228+62	17,544	0	0	0	3,180	17,544	3,180	--	280	1,250	1,375	16,168
	779+62 TO 736+00	7,709	0	0	0	1,431	7,709	1,431	--	126	1,123	1,235	6,474
	744+00 TO 724+50	8,652	0	0	0	889	8,652	889	--	78	0	0	8,652
	733+00 TO 728+00	20	0	0	0	944	20	944	--	83	6,600	7,260	-7,398
	733+00 TO 728+00	7,284	0	0	0	556	7,284	556	--	49	18,996	20,896	-12,714
	733+00 TO 728+00	19	0	0	0	556	19	556	--	49	8,784	9,662	-10,088
	738+00 TO 728+00	397	0	0	0	1,111	397	1,111	--	98	1,529	1,682	-1,285
	732+50 TO 728+00	1,700	0	0	0	611	1,700	611	--	54	0	0	1,700
	Division 4 Subtotal Stage 4	129,959	0	0	0	19,778	129,959	19,778	0	1,740	39,493	43,443	86,812
5	48+80 TO 591+80	480	0	0	0	633	480	633	--	--	56	62	418
	51+65 TO 599+00	2,159	0	0	0	1,600	2,159	1,600	--	--	0	0	2,159
	Division 5 Subtotal Stage 5	2,639	0	0	0	2,233	2,639	2,233	0	0	56	62	2,577
	TOTAL	461,895	782	8,000	20,516	70,523	449,725	70,523	11,768	4,290	76,810	92,273	376,604

Notes:

- Excavation Common is equal to A - (C1.7) - D - E
- EBS Excavation SPV.00350100 (CY) to be backfilled with EBS Backfill SPV.0035.0101 (CY). EBS Excavation volume assumed as 25% roadway area (Freeway and Ramps) and 40% roadway area (local roads) at an average depth of 18-inches, in addition to locations shown in plans. All EBS Excavation to be wasted offsite unless specified by the engineer.
- The backfill needed to construct the mechanically stabilized earth walls has been estimated. The MSE backfill quantity has been subtracted from the fill volume in all end area calculations. The width of the MSE backfill off of the back of the MSE wall has been estimated as 0.8 times the height of the retaining walls.
- Expanded Fill Factor: 1.00  
Expanded Fill = Unexpanded Fill \* Fill Factor
- A soil expansion factor of 1.1 was used to generate estimated earthwork quantities. Due to potential soil variability, actual quantities may vary. No quantity adjustments will be made for differing soil expansion factors encountered in the field.
- The storm sewer excavation is estimated to be between 60,000 and 90,000 cubic yards and total structural excavation from all structures is not estimated. cubic yards dependant on the means and methods used for construction. These quantities are not included in this table and should be considered additional waste that is incidental to the storm sewer and structure items. Waste does not include estimated yardage for EBS excavation (Column F).
- Fly Ash Stabilization SPV.0195.0001 (TON). Fly Ash Stabilization volume assumed as 20% roadway area (Freeway and Ramps only) calculated at a rate of 110 pounds per square yard.
- All Excavation, Hauling, and Reuse of Low-Level Contaminated Soil (D) shall be placed at locations as shown in the plans and capped with a 2-ft clay cap and topsoil (clay cap and topsoil paid separately).

Addendum No. 04  
ID 1060-33-84  
Revised Sheet 1014  
October 6, 2020

TEMPORARY SHORING

CATEGORY	STAGE LOCATION	STATION	TO	STATION	OFFSET	SF
<b>PROJECT ID 1060-33-84</b>						
1000	1A	IH41/USH45 SB	-	403+30 NS	LT	2,140
<b>SUBTOTALS</b>						
						2,140
<b>PROJECT ID 1060-33-84</b>						
1000	1B	IH41/USH45 SB	-	412+38 NS - 417+00 NS	LT	2,310
			-	422+00 NS - 426+00 NS	LT	2,000
			-	438+00 NS - 442+00 NS	RT	2,000
<b>SUBTOTALS</b>						
						6,310
<b>PROJECT ID 1060-33-84</b>						
1000	2	NORTH AVENUE	-	110+75 NO - 111+75 NO	LT	525
			-	110+75 NO - 111+75 NO	LT	540
			-	110+75 NO - 111+75 NO	RT	540
			-	110+75 NO - 111+75 NO	RT	525
<b>SUBTOTALS</b>						
						2,130
<b>PROJECT ID 1060-33-84 TOTAL</b>						10,580

**CONCRETE BARRIER TRANSITION ITEMS**

CATEGORY	ROADWAY	603.3675* CONCRETE BARRIER TRANSITION TYPE V51 TO S42 EACH	603.3535* CONCRETE BARRIER TRANSITION TYPE S36 TO S42 EACH	603.3413 CONCRETE BARRIER TRANSITION TYPE F32DF TO S36 EACH
1000	PROJECT ID 1060-33-84 TEMPORARY UPRISHER	2	1	1
<b>PROJECT 1060-33-84 TOTAL</b>		2	1	1

\* = ADDITIONAL QUANTITIES FOUND ELSEWHERE

FENCE SAFETY

CATEGORY	ROADWAY	616.0700 S FENCE SAFETY LF	SPV.0090.0900 FENCE TEMPORARY 6-FT LF
<b>PROJECT ID 1060-33-84</b>			
1000	THE RESERVE AT MAYFAIR NORTHEAST CORNER SOUTHEAST CORNER	--	75
		--	75
	RUSS DARRROW LOT	--	925
	113TH STREET	--	1,400
	MEINECKE AVENUE	--	300
	UNDISTRIBUTED	5,000	6,000
<b>PROJECT 1060-33-84 TOTAL</b>		5,000	8,775

TRAFFIC CONTROL

CATEGORY	ROADWAY	643.5000 TRAFFIC CONTROL EACH
1000	1060-33-84	0.95
<b>PROJECT ID 1060-33-84 TOTAL</b>		
		0.95
1000	1060-37-77	0.01
<b>PROJECT ID 1060-37-77 TOTAL</b>		
		0.01

Addendum No. 04  
ID 1060-33-84  
Revised Sheet 1098  
October 6, 2020



TEMPORARY CONCRETE BARRIER ITEMS (CONTINUED)

CATEGORY	STAGE LOCATION	STATION	TO	STATION	OFFSET	603.8000 CONCRETE BARRIER TEMPORARY PRECAST DELIVERED	LF	603.8125 CONCRETE BARRIER TEMPORARY PRECAST INSTALLED	LF	SPV.0090.0910 GLARE SCREENS TEMPORARY	LF	SPV.0090.0920 CONCRETE BARRIER TEMPORARY PRECAST ANCHORING	LF	SPV.0090.0925 CONCRETE BARRIER TEMPORARY PRECAST ANCHORED ON BRIDGE	LF
1000	1C SUBSTAGE 1 IH41/USH45 SB	413+00 NS	-	470+00 NS	LT	--	--	11,300	--	--	--	--	--	--	--
		SUBTOTALS													
1000	1C SUBSTAGE 2 IH41/USH45 NB	416+00 NS	-	440+00 NS	RT	--	--	5,400	--	--	--	--	--	--	--
		SUBTOTALS													
1000	2A IH41/USH45	366+00 NS	-	383+50 NS	RT	1,750	--	1,750	--	--	--	--	--	--	--
		378+50 NS	-	394+00 NS	RT	1,550	--	1,550	--	--	--	--	--	--	--
		372+75 NS	-	390+72 NS	LT	1,797	--	1,797	--	--	--	--	--	--	--
		386+00 NS	-	398+00 NS	LT	1,200	--	1,200	--	--	--	--	--	--	--
		412+50 NS	-	418+75 NS	LT	625	--	625	--	300	--	--	--	--	--
		412+50 NS	-	433+90 NS	LT	2,140	--	2,140	--	--	--	--	--	--	--
		418+50 NS	-	423+00 NS	LT	450	--	450	--	300	--	--	--	--	--
		413+35 NS	-	434+10 NS	LT	2,075	--	2,075	--	300	--	--	--	--	--
		436+00 NS	-	471+92 NS	LT	3,592	--	3,592	--	300	--	--	--	--	--
		460+92 NS	-	471+92 NS	LT	1,100	--	1,100	--	--	--	--	--	--	--
		470+75 NS	-	486+35 NS	RT	1,560	--	1,560	--	--	--	--	--	--	--
		396+50 NS	-	417+75 NS	LT	2,125	--	2,125	--	300	--	--	--	1,000	--
		479+00 NS	-	485+25 NS	LT	625	--	625	650	--	--	--	--	--	--
		480+35NS	-	487+00NS	LT	665	--	665	--	--	--	--	--	--	--
		SUBTOTALS													
								21,254	21,254	650	1,500	1,000			
1000	2B IH41/USH45 NB	412+50 NS	-	434+00 NS	LT	--	--	2,150	--	--	--	300	--	--	--
		470+75 NS	-	483+15 NS	RT	--	--	1,240	--	--	--	--	--	--	--
		NORTH AVENUE													
		110+00 NO	-	114+00 NO	LT	400	--	400	--	--	--	--	--	--	--
		110+00 NO	-	112+30 NO	LT	230	--	230	--	--	--	--	--	--	--
		110+00 NO	-	113+00 NO	RT	300	--	300	--	--	--	--	--	--	--
		109+00 NO	-	113+00 NO	RT	400	--	400	--	--	--	--	--	--	--
		SUBTOTALS													
								1,330	4,720	--	--	300			

Addendum No. 04  
 ID 1060-33-84  
 Revised Sheet 1100  
 October 6, 2020

(CONTINUED ON NEXT SHEET)

TEMPORARY CONCRETE BARRIER ITEMS (CONTINUED)

CATEGORY	STAGE LOCATION	STATION	TO	STATION	OFFSET	603.8000		603.8125		SPV.0090.0910		SPV.0090.0920		SPV.0090.0925	
						CONCRETE BARRIER TEMPORARY PRECAST DELIVERED	LF	CONCRETE BARRIER TEMPORARY PRECAST INSTALLED	LF	GLARE SCREENS TEMPORARY	LF	CONCRETE BARRIER TEMPORARY PRECAST ANCHORING	LF	CONCRETE BARRIER TEMPORARY PRECAST ANCHORED ON BRIDGE	LF
1000	3	IH.41/USH.45 NB				225	225	2,900	2,200	--	--	--	--	--	--
					RT	374+00 NS	-	374+00 NS	RT						
					RT	374+00 NS	-	403+00 NS	RT	1,900	1,000	1,000			
					RT	413+00 NS	-	413+00 NS	RT	2,100	2,100	2,100			
					RT	434+00 NS	-	434+00 NS	RT	5,200	5,200	3,700			
					RT	436+00 NS	-	486+00 NS	RT	215	215	--			
					RT	438+15 NS	-		RT						
		IH.41/USH.45 SB				--	--	2,625	--	--	--	--			
					LT	371+75 NS	-	398+00 NS	LT	6,800	6,800	--			
					LT	418+00 NS	-	486+00 NS	LT						
		SUBTOTALS				10,640		21,065	9,000	--	--	--			
1000	4	IH.41/USH.45 NB				--	--	10,000	--	--	--	--			
					RT	386+00 NS	-	486+00 NS	RT	2,228	2,228	--			
					RT	412+57 NS	-	434+85 NS	RT	535	535	--			
					RT	435+80 NS	-	441+15 NS	RT						
		IH.41/USH.45 SB				--	--	800	800	--	--	--			
					LT	373+00 NS	-	381+00 NS	LT	1,200	1,200	--			
					LT	373+00 NS	-	385+00 NS	LT	400	400	--			
					LT	381+00 NS	-	385+00 NS	LT	325	325	--			
					LT	382+75 NS	-	386+00 NS	LT	800	800	--			
					LT	386+00 NS	-	394+00 NS	LT	750	750	--			
					LT	474+50 NS	-	482+00 NS	LT	400	400	--			
					LT	482+00 NS	-	486+00 NS	LT	1,510	1,510	--			
					LT	471+90 NS	-	487+00 NS	LT						
		SUBTOTALS				6,273		18,948	800	--	--	--			
1000	5	IH.41/USH.45 NB				1,400		1,400	--	--	--	--			
					RT	367+00 NS	-	381+00 NS	RT	350	350	--			
					RT	477+00 NS	-	480+50 NS	RT	600	600	--			
					RT	480+50 NS	-	486+50 NS	RT						
		IH.41/USH.45 SB				300		300	--	--	--	--			
					LT	370+00 NS	-	373+00 NS	LT	1,200	1,200	--			
					LT	373+00 NS	-	385+00 NS	LT	100	100	--			
					LT	385+00 NS	-	386+00 NS	LT	800	800	--			
					LT	386+00 NS	-	394+00 NS	LT	600	600	--			
					LT	394+00 NS	-	400+00 NS	LT	1,500	1,500	--			
					LT	472+00 NS	-	487+00 NS	LT	475	475	--			
					LT	487+00 NS	-	491+75 NS	LT						
		SUBTOTALS				3,475		7,325	--	--	--	--			

4 88,029 139,219

PROJECT ID 1060-33-84 TOTAL

PROJECT NO: 1060-33-84

COUNTY: MILWAUKEE

HWY: IH 41

PROJECT NO: 1060-33-84

SHEET: 1101

E

FILE NAME: \\WPDB\CD\1060331684\Ben\Plan\45 Traffic Control\032004\_mq\_tcr.rpt PLOT DATE: 10/6/2020 2:34:04 PM PLOT NAME: 106204\_mq.rpt PLOT SCALE: 1:1

Addendum No. 04  
ID 1060-33-84  
Revised Sheet 1101  
October 6, 2020

TEMPORARY CRASH CUSHION

CATEGORY	STAGE	LOCATION	LOW MAINTENANCE TEMPORARY CUSHION EACH	BACK WIDTH FT	OBJECT MARKING PATTERN	CRASH TEST LEVEL	DIRECTION OF TRAVEL	TRAFFIC LOCATION	CRASH CUSHIONS SHIELDS
PROJECT ID 1060-33-84									
1000	1A	IH 41/USH 45 NB	1	2	OM-3L (W5-58L SIGN PLATE)	TL-3	UNIDIRECTIONAL	RIGHT	TEMPORARY CONCRETE BARRIER IN MEDIAN
		370+00NS, 18' RT	--						
		IH 41/USH 45 SB	1	2	OM-3L (W5-58L SIGN PLATE)	TL-3	UNIDIRECTIONAL	RIGHT	TEMPORARY CONCRETE BARRIER IN MEDIAN
		405+25NS, 13' LT	--						
1000	1B	IH 41/USH 45 SB	1	2	OM-3L (W5-58L SIGN PLATE)	TL-3	UNIDIRECTIONAL	LEFT	TEMPORARY CONCRETE BARRIER RIGHT SHOULDER
		415+50NS, 51' LT	--						
		IH 41/USH 45 NB	1	2	OM-3R (W5-58R SIGN PLATE)	TL-3	UNIDIRECTIONAL	LEFT	TEMPORARY CONCRETE BARRIER RIGHT SHOULDER
		483+50NS, 103' LT	--						
1000	1C	IH 41/USH 45 NB	1	2	OM-3L (W5-58L SIGN PLATE)	TL-3	UNIDIRECTIONAL	RIGHT	TEMPORARY CONCRETE BARRIER IN MEDIAN
		413+00NS, 4' RT	--						
		IH 41/USH 45 SB	1	2	OM-3L (W5-58L SIGN PLATE)	TL-3	UNIDIRECTIONAL	LEFT	TEMPORARY CONCRETE BARRIER IN MEDIAN
		413+00NS, 41' RT	--						
		IH 41/USH 45 NB	1	2	OM-3L (W5-58L SIGN PLATE)	TL-3	UNIDIRECTIONAL	RIGHT	TEMPORARY CONCRETE BARRIER IN MEDIAN
		469+00NS, 10' RT	--						
		IH 41/USH 45 SB	1	2	OM-3L (W5-58L SIGN PLATE)	TL-3	UNIDIRECTIONAL	LEFT	TEMPORARY CONCRETE BARRIER RIGHT SHOULDER
		482+00NS, 93' LT	--						
488+00NS, 3.5' LT	--								
4	2A	IH 41/USH 45 SB	1	2	OM-3R (W5-58R SIGN PLATE)	TL-3	UNIDIRECTIONAL	LEFT	TEMPORARY CONCRETE BARRIER LEFT SHOULDER
		487+00NS, 10' LT	--						
3	3	IH 41/USH 45 NB	1	2	OM-3L (W5-58L SIGN PLATE)	TL-3	UNIDIRECTIONAL	RIGHT	TEMPORARY CONCRETE BARRIER IN MEDIAN
		436+00NS, 82' RT	--						
4	4	IH 41/USH 45 SB	1	2	OM-3R (W5-58R SIGN PLATE)	TL-3	UNIDIRECTIONAL	LEFT	TEMPORARY CONCRETE BARRIER RIGHT SHOULDER
		487+00NS, 60' LT	--						
5	5	IH 41/USH 45 SB	1	2	OM-3L (W5-58L SIGN PLATE)	TL-3	UNIDIRECTIONAL	RIGHT	TEMPORARY CONCRETE BARRIER IN MEDIAN
		367+00NS, 10' RT	--						
		IH 41/USH 45 NB	1	2	OM-3L (W5-58L SIGN PLATE)	TL-3	UNIDIRECTIONAL	RIGHT	TEMPORARY CONCRETE BARRIER IN MEDIAN
		400+50NS, 8.0' LT	--						
2A	2A	NORTH AVENUE	--						
		113+90NO, LT	1	2	OM-3L (W5-58L SIGN PLATE)	TL-3	UNIDIRECTIONAL	LEFT	TEMPORARY CONCRETE BARRIER RIGHT SHOULDER
		112+50NO, LT	1	2	OM-3L (W5-58L SIGN PLATE)	TL-3	UNIDIRECTIONAL	RIGHT	TEMPORARY CONCRETE BARRIER IN MEDIAN
4	4	MAYFAIR ROAD	3	2	OM-3L (W5-58L SIGN PLATE)	TL-3	UNIDIRECTIONAL	LEFT	TEMPORARY CONCRETE BARRIER RIGHT SHOULDER
		593+00M, 39' RT	3	2	OM-3L (W5-58L SIGN PLATE)	TL-3	UNIDIRECTIONAL	RIGHT	TEMPORARY CONCRETE BARRIER RIGHT SHOULDER
		596+20M, 39' LT	3	2	OM-3L (W5-58L SIGN PLATE)	TL-3	UNIDIRECTIONAL	RIGHT	TEMPORARY CONCRETE BARRIER RIGHT SHOULDER
PROJECT 1060-33-84 TOTAL			22						4

Addendum No. 04  
 ID 1060-33-84  
 Revised Sheet 1102  
 October 6, 2020







Division 2 (RL-NO - North Ave EB)

STATION	Real Station	Distance	AREA (SF)		Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)				Mass Ordinate			
			Cut	Salvaged/Unusable Pavement Material	Fill	EBS	Cut	Salvaged/Unusable Pavement Material	Fill	EBS	Cut 1.0		Expanded Fill 1.1	Expanded EBS Backfill 1.3	Reduced EBS In Fill 0.8
100+50	10050	50	123	0	0	0	114	0	0	0	0	0	0	0	113
101+00	10100	50	115	0	0	0	220	0	0	0	0	0	0	0	333
101+50	10150	50	118	0	0	0	216	0	0	0	0	0	0	0	549
102+00	10200	50	142	0	0	0	241	0	0	0	0	0	0	0	789
102+37	10237	37	151	0	0	0	201	0	0	0	0	0	0	0	990
102+50	10250	13	148	0	0	0	72	0	0	0	0	0	0	0	1,062
103+00	10300	50	144	0	0	0	270	0	0	0	0	0	0	0	1,332
103+50	10350	50	311	0	0	0	422	0	0	0	0	0	0	0	1,754
104+00	10400	50	111	0	0	0	391	0	0	0	0	0	0	0	2,144
104+50	10450	50	112	0	0	0	207	0	1	0	0	0	0	0	2,351
105+00	10500	50	118	0	0	0	214	0	0	0	0	0	0	0	2,564
105+50	10550	50	130	0	0	0	230	0	0	0	0	0	0	0	2,794
106+00	10600	50	161	0	4	0	269	0	4	0	0	0	0	0	3,059
106+50	10650	50	84	0	0	0	227	0	4	0	0	0	0	0	3,282
107+00	10700	50	96	0	0	0	167	0	0	0	0	0	0	0	3,449
107+50	10750	50	149	0	0	0	227	0	0	0	0	0	0	0	3,676
108+00	10800	50	108	0	0	0	238	0	0	0	0	0	0	0	3,914
108+50	10850	50	142	0	0	0	231	0	0	0	0	0	0	0	4,145
109+00	10900	50	131	0	0	0	252	0	0	0	0	0	0	0	4,397
109+50	10950	50	460	0	0	0	547	0	0	0	0	0	0	0	4,944
110+00	11000	50	302	0	0	0	705	0	0	0	0	0	0	0	5,649
110+50	11050	50	327	0	0	0	582	0	0	0	0	0	0	0	6,231
111+00	11100	50	364	0	0	0	640	0	0	0	0	0	0	0	6,872
111+50	11150	50	386	0	0	0	695	0	0	0	0	0	0	0	7,567
112+00	11200	50	401	0	0	0	729	0	0	0	0	0	0	0	8,295

4

Addendum No. 04  
ID 1060-33-84  
Revised Sheet 2491  
October 6, 2020

Notes:	Cut includes Salvaged/Unusable Pavement material
1 - Cut	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
2 - Salvaged/Unusable Pavement Material	Does not include Unusable Pavement Exc volume
3 - Fill	Expanded Fill Factor - 1.10
4 - Expanded Fill	Expanded Fill= Unexpanded Fill * Fill Factor
	A soil expansion factor of 1.1 was used to generate estimated earthwork quantities. Due to potential soil variability, actual quantities may vary.
	No quantity adjustments will be made for differing soil expansion factors encountered in the field.

PROJECT NO. 1060-33-84

HWY: IH -41

COUNTY: MILWAUKEE

EARTHWORK

SHEET: 2491

E

Division 2 (RL-NO - North Ave EB)

112+50	50	409	0	0	0	750	0	0	0	9,057	11	0	0	9,045
113+00	50	460	0	0	0	805	0	0	0	9,862	11	0	0	9,850
113+50	50	507	0	0	0	895	0	0	0	10,757	11	0	0	10,745
114+00	50	531	0	0	0	961	0	0	0	11,718	11	0	0	11,706
114+50	50	434	0	0	0	894	0	0	0	12,611	11	0	0	12,600
115+00	50	388	0	0	0	671	0	0	0	13,373	11	0	0	13,361
115+50	50	336	0	0	0	621	0	0	0	14,043	11	0	0	14,032
116+00	50	283	0	0	0	573	0	0	0	14,616	11	0	0	14,605
116+50	50	237	0	0	0	481	0	0	0	15,098	11	0	0	15,086
116+82	32	220	0	0	0	271	0	0	0	15,369	11	0	0	15,358
117+00	18	353	0	0	0	191	0	0	0	15,560	11	0	0	15,549
117+50	50	136	0	0	0	453	0	0	0	16,013	11	0	0	16,001
118+00	50	107	0	2	0	225	0	0	1	16,238	13	0	0	16,225
118+50	50	87	0	3	0	180	0	0	4	16,418	17	0	0	16,401
119+00	50	89	0	3	0	163	0	0	5	16,582	23	0	0	16,559
119+50	50	107	0	1	0	182	0	0	3	16,764	26	0	0	16,737
120+00	50	112	0	0	0	203	0	0	1	16,967	28	0	0	16,939
120+50	50	0	0	0	0	104	0	0	0	17,071	28	0	0	17,042
Column totals										17,071	0	26	0	

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Addendum No. 04  
ID 1060-33-84  
Revised Sheet 2492  
October 6, 2020

Notes:	Cut includes Salvaged/Unusable Pavement material
1 - Cut	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
2 - Salvaged/Unusable Pavement Material	Does not include Unusable Pavement Exc volume
3 - Fill	Expanded Fill Factor - 1.10
4 - Expanded Fill	Expanded Fill= Unexpanded Fill * Fill Factor
	A soil expansion factor of 1.1 was used to generate estimated earthwork quantities. Due to potential soil variability, actual quantities may vary.
	No quantity adjustments will be made for differing soil expansion factors encountered in the field.



Proposal Schedule of Items

Proposal ID: 20201013001 Project(s): 1060-33-84, 1060-34-77, 1100-18-73, 1100-18-76  
 Federal ID(s): WISC 2020466, N/A, WISC 2021001, WISC 2020467

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0112	204.9060.S Removing (item description) 1007. Removing Poles Wood 35-FT and Floodlight	3.000 EACH	_____.	_____.
0114	204.9060.S Removing (item description) 1008. Removing Underdeck Lighting	5.000 EACH	_____.	_____.
0116	204.9060.S Removing (item description) 1009. Removing Luminaries Underdeck Lighting	4.000 EACH	_____.	_____.
0118	204.9090.S Removing (item description) 0005. Removing Temporary Precast Trench Drain	2,355.000 LF	_____.	_____.
0120	204.9090.S Removing (item description) 0006. Removing Drain Slotted Vane	678.000 LF	_____.	_____.
0122	204.9090.S Removing (item description) 0100. Removing Sheet Pile Shoring	400.000 LF	_____.	_____.
0124	204.9105.S Removing (item description) 3001. Temporary Traffic Signal IH 41 SB on Ramp & W. North Avenue	LS	LUMP SUM	_____.
0126	204.9105.S Removing (item description) 3002. Temporary Traffic Signals IH 41 NB on Ramp & W. North Avenue	LS	LUMP SUM	_____.
0128	204.9105.S Removing (item description) 3101. Traffic Signals W. North Avenue & N. 116th Street	LS	LUMP SUM	_____.
0130	205.0100 Excavation Common	441,725.000 CY	_____.	_____.
0132	205.0501.S Excavation, Hauling, and Disposal of Petroleum Contaminated Soil	11,992.000 TON	_____.	_____.
0134	206.1000 Excavation for Structures Bridges (structure) 0001. B-40-138	LS	LUMP SUM	_____.



## Proposal Schedule of Items

Proposal ID: 20201013001 Project(s): 1060-33-84, 1060-34-77, 1100-18-73, 1100-18-76  
 Federal ID(s): WISC 2020466, N/A, WISC 2021001, WISC 2020467

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0162	206.3000 Excavation for Structures Retaining Walls (structure) 0008. R-40-561	LS	LUMP SUM	_____.
0164	206.3000 Excavation for Structures Retaining Walls (structure) 0009. R-40-564	LS	LUMP SUM	_____.
0166	209.1100 Backfill Granular Grade 1	11,768.000 CY	_____.	_____.
0168	210.1100 Backfill Structure Type A	95.000 CY	_____.	_____.
0170	210.1500 Backfill Structure Type A	18,214.000 TON	_____.	_____.
0172	213.0100 Finishing Roadway (project) 0001. 1060-33-84	1.000 EACH	_____.	_____.
0174	305.0120 Base Aggregate Dense 1 1/4-Inch	140,945.000 TON	_____.	_____.
0176	310.0110 Base Aggregate Open-Graded	1,140.000 TON	_____.	_____.
0178	312.0110 Select Crushed Material	239,657.000 TON	_____.	_____.
0180	320.0155 Concrete Base 9-Inch	710.000 SY	_____.	_____.
0182	390.0403 Base Patching Concrete Shes	3,900.000 SY	_____.	_____.
0184	415.0410 Concrete Pavement Approach Slab	2,056.000 SY	_____.	_____.
0186	415.1410 Concrete Pavement Approach Slab HES	55.000 SY	_____.	_____.
0188	415.5110.S Concrete Pavement Joint Layout	1.000 LS	_____.	_____.
0190	416.0270 Concrete Driveway HES 7-Inch	1,357.000 SY	_____.	_____.
0192	416.0610 Drilled Tie Bars	2,982.000 EACH	_____.	_____.



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Proposal ID: 20201013001 Project(s): 1060-33-84, 1060-34-77, 1100-18-73, 1100-18-76  
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SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0194	416.0620 Drilled Dowel Bars	8,349.000 EACH	_____.	_____.
0196	416.1715 Concrete Pavement Repair SHES	2,080.000 SY	_____.	_____.
0198	416.1725 Concrete Pavement Replacement SHES	3,300.000 SY	_____.	_____.
0200	455.0605 Tack Coat	16,104.000 GAL	_____.	_____.
0202	460.2000 Incentive Density HMA Pavement	14,208.000 DOL	1.00000	14,208.00
0204	460.5223 HMA Pavement 3 LT 58-28 S	1,120.000 TON	_____.	_____.
0206	460.5224 HMA Pavement 4 LT 58-28 S	1,438.000 TON	_____.	_____.
0208	460.5225 HMA Pavement 5 LT 58-28 S	107.000 TON	_____.	_____.
0210	460.6223 HMA Pavement 3 MT 58-28 S	6,294.000 TON	_____.	_____.
0212	460.6224 HMA Pavement 4 MT 58-28 S	11,031.000 TON	_____.	_____.
0214	460.7424 HMA Pavement 4 HT 58-28 H	3,592.000 TON	_____.	_____.
0216	465.0120 Asphaltic Surface Driveways and Field Entrances	1,211.000 TON	_____.	_____.
0218	465.0125 Asphaltic Surface Temporary	29,225.000 TON	_____.	_____.
0220	495.1000.S Cold patch	50.000 TON	_____.	_____.
0222	501.1000.S Ice Hot Weather Concreting	210,021.000 LB	_____.	_____.
0224	502.0100 Concrete Masonry Bridges	8,215.000 CY	_____.	_____.



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SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0556	603.3675 Concrete Barrier Transition Type V51 to S42	2.000 EACH	_____.	_____.
0558	603.8000 Concrete Barrier Temporary Precast Delivered	88,029.000 LF	_____.	_____.
0560	603.8125 Concrete Barrier Temporary Precast Installed	139,219.000 LF	_____.	_____.
0562	604.0400 Slope Paving Concrete	356.000 SY	_____.	_____.
0564	604.0500 Slope Paving Crushed Aggregate	139.000 SY	_____.	_____.
0566	606.0100 Riprap Light	356.000 CY	_____.	_____.
0568	606.0200 Riprap Medium	1,875.000 CY	_____.	_____.
0570	608.0312 Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	5,872.000 LF	_____.	_____.
0572	608.0315 Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	2,216.000 LF	_____.	_____.
0574	608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	1,541.000 LF	_____.	_____.
0576	608.0321 Storm Sewer Pipe Reinforced Concrete Class III 21-Inch	11.000 LF	_____.	_____.
0578	608.0324 Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	15,224.000 LF	_____.	_____.
0580	608.0330 Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	2,494.000 LF	_____.	_____.
0582	608.0336 Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	1,119.000 LF	_____.	_____.



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SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0672	612.0106 Pipe Underdrain 6-Inch	734.000 LF	_____.	_____.
0674	612.0206 Pipe Underdrain Unperforated 6-Inch	387.000 LF	_____.	_____.
0676	612.0406 Pipe Underdrain Wrapped 6-Inch	6,790.000 LF	_____.	_____.
0678	612.0806 Apron Endwalls for Underdrain Reinforced Concrete 6-Inch	3.000 EACH	_____.	_____.
0680	614.0150 Anchor Assemblies for Steel Plate Beam Guard	2.000 EACH	_____.	_____.
0682	614.0805 Crash Cushions Permanent Low Maintenance	7.000 EACH	_____.	_____.
0684	614.0905 Crash Cushions Temporary	4.000 EACH	_____.	_____.
0686	614.0950 Replacing Guardrail Posts and Blocks	30.000 EACH	_____.	_____.
0688	614.0951 Replacing Guardrail Rail and Hardware	300.000 LF	_____.	_____.
0690	614.2300 MGS Guardrail 3	98.000 LF	_____.	_____.
0692	614.2500 MGS Thrie Beam Transition	160.000 LF	_____.	_____.
0694	614.2610 MGS Guardrail Terminal EAT	4.000 EACH	_____.	_____.
0696	614.2620 MGS Guardrail Terminal Type 2	2.000 EACH	_____.	_____.
0698	616.0206 Fence Chain Link 6-FT	8,040.000 LF	_____.	_____.
0700	616.0329 Gates Chain Link (width) 0001. 12-FT	7.000 EACH	_____.	_____.
0702	616.0700.S Fence Safety	5,000.000 LF	_____.	_____.



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SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1220	678.0500 Communication System Testing 3001. W. North Avenue Interconnect	LS	LUMP SUM	_____.
1222	678.0600 Install Ethernet Switches	9.000 EACH	_____.	_____.
1224	690.0150 Sawing Asphalt	3,220.000 LF	_____.	_____.
1226	690.0250 Sawing Concrete	56,762.000 LF	_____.	_____.
1228	715.0415 Incentive Strength Concrete Pavement	135,340.000 DOL	1.00000	135,340.00
1230	715.0502 Incentive Strength Concrete Structures	22,000.000 DOL	1.00000	22,000.00
1232	715.0603 Incentive Strength Concrete Barrier	28,000.000 DOL	1.00000	28,000.00
1234	740.0440 Incentive IRI Ride	42,765.000 DOL	1.00000	42,765.00
1236	801.0117 Railroad Flagging Reimbursement	800,000.000 DOL	1.00000	800,000.00
1238	ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR	11,000.000 HRS	5.00000	55,000.00
1240	ASP.1T0G On-the-Job Training Graduate at \$5.00/HR	20,700.000 HRS	5.00000	103,500.00
1242	SPV.0035 Special 0001. EBS Excavation	70,523.000 CY	_____.	_____.
1244	SPV.0035 Special 0002. EBS Backfill	70,523.000 CY	_____.	_____.
1246	SPV.0035 Special 0003. Excavation, Hauling, and Reuse of Low-Level Contaminated Soil	9,360.000 CY	_____.	_____.
1248	SPV.0035 Special 0800. Backfill Controlled Low Strength UPRR	250.000 CY	_____.	_____.





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SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1544	SPV.0075 Special 4055. Obstructions Foundation Drilling	45.000 HRS	_____.	_____.
1546	SPV.0075 Special 5100. Obstructions Trenchless Utility Construction	24.000 HRS	_____.	_____.
1548	SPV.0090 Special 0001. Removing Concrete Barrier Precast	4,694.000 LF	_____.	_____.
1550	SPV.0090 Special 0002. Maintain and Remove Concrete Barrier Temporary Precast	7,930.000 LF	_____.	_____.
1552	SPV.0090 Special 0003. Removing Modular Block Retaining Wall	245.000 LF	_____.	_____.
1556	SPV.0090 Special 0101. Concrete Curb & Gutter 31-Inch Integral	861.000 LF	_____.	_____.
1558	SPV.0090 Special 0102. Concrete Gutter 42-Inch	130.000 LF	_____.	_____.
1560	SPV.0090 Special 0103. Concrete Gutter 66-Inch	71.000 LF	_____.	_____.
1562	SPV.0090 Special 0105. Concrete Barrier Type S42C Special	5,276.000 LF	_____.	_____.
1564	SPV.0090 Special 0110. Galvanized Pipe Railing	9.000 LF	_____.	_____.
1566	SPV.0090 Special 0126. Pipe Underdrain 6-Inch Special	46,965.000 LF	_____.	_____.
1568	SPV.0090 Special 0127. Pipe Underdrain 10-Inch Special	165.000 LF	_____.	_____.
1570	SPV.0090 Special 0301. Heavy Duty Silt Fence	3,114.000 LF	_____.	_____.
1572	SPV.0090 Special 0400. Marking Contrast Epoxy 4-Inch	9,757.000 LF	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1574	SPV.0090 Special 0401. Marking Contrast Epoxy 8-Inch	8,895.000 LF	_____.	_____.
1576	SPV.0090 Special 0405. Remove Pavement Marking 12-Inch	96.000 LF	_____.	_____.
1578	SPV.0090 Special 0410. Remove Grooved In Pavement Marking Thermoplastic Stop Bar	438.000 LF	_____.	_____.
1580	SPV.0090 Special 0414. Remove Pavement Marking Grooved Tape 4-Inch	1,379.000 LF	_____.	_____.
1582	SPV.0090 Special 0415. Remove Pavement Marking Grooved Tape 8-Inch	1,868.000 LF	_____.	_____.
1584	SPV.0090 Special 0600. Salvage Temporary Precast Concrete Barrier Left in Place	1,400.000 LF	_____.	_____.
1586	SPV.0090 Special 0800. Remove and Dispose of UPRR Track	6,142.000 LF	_____.	_____.
1588	SPV.0090 Special 0805. Construct 136LB ISHH CWR on Wood Ties	6,159.000 LF	_____.	_____.
1590	SPV.0090 Special 0810. Construct Double Inside Guard Rail	660.000 LF	_____.	_____.
1592	SPV.0090 Special 0900. Fence Temporary 6-FT	8,775.000 LF	_____.	_____.
1594	SPV.0090 Special 0910. Glare Screens Temporary	11,450.000 LF	_____.	_____.
1596	SPV.0090 Special 0920. Concrete Barrier Temporary Precast Anchoring	2,400.000 LF	_____.	_____.
1598	SPV.0090 Special 0925. Concrete Barrier Temporary Precast Anchored on Bridge	3,200.000 LF	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1600	SPV.0090 Special 1001. Cable Aerial Aluminum 6 AWG Triplex	1,100.000 LF	_____.	_____.
1602	SPV.0090 Special 1002. Cable Aerial Aluminum 4 AWG Triplex	5,470.000 LF	_____.	_____.
1604	SPV.0090 Special 1003. Cable Aerial Aluminum 2 AWG Triplex	1,930.000 LF	_____.	_____.
1606	SPV.0090 Special 4008. Piling Steel HP 14-Inch X 89LB	1,500.000 LF	_____.	_____.
1608	SPV.0090 Special 4009. Piling Steel HP 14-Inch x 117 LB	1,500.000 LF	_____.	_____.
1610	SPV.0090 Special 4028. Drilled Foundation Shaft 59.06-Inch	211.000 LF	_____.	_____.
1612	SPV.0090 Special 4035. Foundation Drilling	14,370.000 LF	_____.	_____.
1614	SPV.0090 Special 4048. Wall Secant Pile 59.06-Inch	4,520.000 LF	_____.	_____.
1616	SPV.0090 Special 4050. Wall Tangent Pile 36-Inch	11,900.000 LF	_____.	_____.
1618	SPV.0090 Special 4068. Handrail B-40-878	295.000 LF	_____.	_____.
1620	SPV.0090 Special 4069. Handrail R-40-622	325.000 LF	_____.	_____.
1622	SPV.0090 Special 4088. Handrail Temporary	836.000 LF	_____.	_____.
1624	SPV.0090 Special 4100. Fence Decorative Bridge	560.000 LF	_____.	_____.
1626	SPV.0090 Special 4105. Fence Decorative Wall	1,929.000 LF	_____.	_____.
1628	SPV.0090 Special 4200. Removing Existing Steel Piling	1,005.000 LF	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1630	SPV.0090 Special 4205. Removing Existing Timber Piling	255.000 LF	_____.	_____.
1632	SPV.0090 Special 5001. Removing Concrete Encased Duct Package	1,543.000 LF	_____.	_____.
1634	SPV.0090 Special 5002. Removing Concrete Encased 21-Inch Sewer	231.000 LF	_____.	_____.
1636	SPV.0090 Special 5101. Sanitary Sewer 8-Inch PVC	546.000 LF	_____.	_____.
1638	SPV.0090 Special 5102. Sanitary Sewer 10-Inch PVC	701.000 LF	_____.	_____.
1640	SPV.0090 Special 5103. Sanitary Sewer 21-Inch PVC	410.000 LF	_____.	_____.
1642	SPV.0090 Special 5104. Steel Casing W/ Sanitary Sewer 10-Inch PVC Carrier	317.000 LF	_____.	_____.
1644	SPV.0090 Special 5105. Abandoning Sanitary Sewer 8-Inch	1,723.000 LF	_____.	_____.
1646	SPV.0090 Special 5106. Abandoning Sanitary Sewer 18-Inch	30.000 LF	_____.	_____.
1648	SPV.0090 Special 5107. Abandoning Sanitary Sewer 21-Inch	1,052.000 LF	_____.	_____.
1650	SPV.0090 Special 5225. Ductile Iron (DI) AWWA C-151 Class 55 Water Main 6-Inch	53.000 LF	_____.	_____.
1652	SPV.0090 Special 5226. Ductile Iron (DI) AWWA C-151 Class 55 Water Main 8-Inch	3,341.000 LF	_____.	_____.
1654	SPV.0090 Special 5227. Ductile Iron (DI) AWWA C-151 Class 55 Water Main 12-Inch	132.000 LF	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1656	SPV.0090 Special 5228. Ductile Iron (DI) AWWA C-151 Class 55 Water Main 16-Inch	2,050.000 LF	_____.	_____.
1658	SPV.0090 Special 5229. Ductile Iron (DI) AWWA C-151 Class 55 Water Main 24-Inch	351.000 LF	_____.	_____.
1660	SPV.0090 Special 5239. Removing Water Main	44.000 LF	_____.	_____.
1662	SPV.0090 Special 5250. Abandon Existing 6-Inch Water Main	2,125.000 LF	_____.	_____.
1664	SPV.0090 Special 5251. Abandon Existing 8-Inch Water Main	436.000 LF	_____.	_____.
1666	SPV.0090 Special 5252. Abandon Existing 12-Inch Water Main	469.000 LF	_____.	_____.
1668	SPV.0090 Special 5253. Abandon Existing 16-Inch Water Main	687.000 LF	_____.	_____.
1670	SPV.0090 Special 8025. Pipe Underdrain Exploration	100.000 LF	_____.	_____.
1672	SPV.0090 Special 8026. Storm Sewer Lateral Exploration	100.000 LF	_____.	_____.
1674	SPV.0090 Special 8031. Precast Trench Drain	1,541.000 LF	_____.	_____.
1676	SPV.0090 Special 8036. Temporary Precast Trench Drain	2,355.000 LF	_____.	_____.
1678	SPV.0105 Special 0604. Survey Project 1060-33-84	LS	LUMP SUM	_____.
1680	SPV.0105 Special 0605. Survey Project 1060-34-77	LS	LUMP SUM	_____.
1682	SPV.0105 Special 1001. Maintenance of Lighting Systems	LS	LUMP SUM	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1684	SPV.0105 Special 1002. Lighting System Integrator	LS	LUMP SUM	_____.
1686	SPV.0105 Special 1003. Lighting System Survey	LS	LUMP SUM	_____.
1688	SPV.0105 Special 3001. Trans and Inst State Furn Traffic Signal Cab IH 41 SB Ramps & W. North Ave	LS	LUMP SUM	_____.
1690	SPV.0105 Special 3002. Transport & Inst State Furn Traffic Sig Cab IH 41 NB on Ramp & W North Ave	LS	LUMP SUM	_____.
1692	SPV.0105 Special 3003. Trans & Inst State Furn Emer Vehicle Preemp (EVP) Dete Heads W/ Con Beacon	LS	LUMP SUM	_____.
1694	SPV.0105 Special 3004. Trans & Inst State Furn Emer Vehicle Preemp (EVP) Dete Heads W/ Con Beacon	LS	LUMP SUM	_____.
1696	SPV.0105 Special 3005. Trans and Inst State Furn FO Cable PT 8-CT IH 41 SB on Ramp & W. North Ave	LS	LUMP SUM	_____.
1698	SPV.0105 Special 3006. Trans and Inst State Furn FO Cable PT 8-CT IH 41 NB on Ramp & W. North Ave	LS	LUMP SUM	_____.
1700	SPV.0105 Special 3101. Transport and Install State Furnished Municipal Traffic Signal Cabinet	LS	LUMP SUM	_____.
1702	SPV.0105 Special 3102. Video Vehicle Detection System	LS	LUMP SUM	_____.
1704	SPV.0105 Special 4008. Trial Wall Panel Secant Pile 59.06-Inch	LS	LUMP SUM	_____.
1706	SPV.0105 Special 4010. Trial Wall Panel Tangent Pile 36-Inch	LS	LUMP SUM	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1708	SPV.0105 Special 4015. Track, Shoring, and Existing Structure Monitoring UPRR	LS	LUMP SUM	_____.
1710	SPV.0105 Special 5245. Control of Water	LS	LUMP SUM	_____.
1712	SPV.0105 Special 6001. Rectangular Rapid Flash Beacon (RRFB) System Station 730+00 NOG Right	LS	LUMP SUM	_____.
1714	SPV.0105 Special 6002. Rectangular Rapid Flash Beacon (RRFB) System Station 734+00 NOB Right	LS	LUMP SUM	_____.
1716	SPV.0105 Special 6003. Rectangular Rapid Flash Beacon (RRFB) System Station 734+00 NOB Left	LS	LUMP SUM	_____.
1718	SPV.0105 Special 6004. Rectangular Rapid Flash Beacon (RRFB) System Station 726+00 NOB Right	LS	LUMP SUM	_____.
1720	SPV.0105 Special 6005. Rectangular Rapid Flash Beacon (RRFB) System Station 725+50 NOG Right	LS	LUMP SUM	_____.
1722	SPV.0105 Special 6006. Rectangular Rapid Flash Beacon (RRFB) System Station 725+50 NOG Left	LS	LUMP SUM	_____.
1724	SPV.0105 Special 6007. Rectangular Rapid Flash Beacon (RRFB) System Station 732+00 NOA Right	LS	LUMP SUM	_____.
1726	SPV.0105 Special 6008. Rectangular Rapid Flash Beacon (RRFB) System Station 732+00 NOA Left	LS	LUMP SUM	_____.
1728	SPV.0105 Special 6009. Rectangular Rapid Flash Beacon (RRFB) System Station 122+50NO Right	LS	LUMP SUM	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1730	SPV.0105 Special 6010. Rectangular Rapid Flash Beacon (RRFB) System Station 738+00 NOC Right	LS	LUMP SUM	_____.
1732	SPV.0105 Special 6011. Rectangular Rapid Flash Beacon (RRFB) System Station 738+00 NOC Left	LS	LUMP SUM	_____.
1734	SPV.0105 Special 6020. Chevron Solar Powered Sign System Assembly Ramp MA	LS	LUMP SUM	_____.
1736	SPV.0105 Special 6021. Chevron Solar Powered Sign System Assembly Ramp NOB	LS	LUMP SUM	_____.
1738	SPV.0105 Special 6022. Chevron Solar Powered Sign System Assembly Ramp NOG	LS	LUMP SUM	_____.
1740	SPV.0105 Special 8098. Control of Water Storm Sewer	LS	LUMP SUM	_____.
1742	SPV.0110 Special 4001. Timber Lagging	149.000 MBM	_____.	_____.
1744	SPV.0135 Special 0100. Field Office Special	45.000 MON	_____.	_____.
1746	SPV.0135 Special 0601. Vibration Monitoring	32.000 MON	_____.	_____.
1748	SPV.0165 Special 4005. Temporary Wall Wire Faced Mechanically Stabilized Earth	4,270.000 SF	_____.	_____.
1750	SPV.0165 Special 4010. Prestressed Precast Concrete Wall Panel R-40-567	21,770.000 SF	_____.	_____.
1752	SPV.0165 Special 4015. Geocomposite Drain Board	43,930.000 SF	_____.	_____.
1754	SPV.0165 Special 4020. Concrete Staining Previously Constructed Structure	54,455.000 SF	_____.	_____.





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SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1756	SPV.0165 Special 4028. Temporary Shoring Railroad Type A	5,886.000 SF	_____.	_____.
1758	SPV.0165 Special 4048. Temporary Shoring Railroad Type B	120.000 SF	_____.	_____.
1760	SPV.0165 Special 4060. Temporary Shoring Railroad Type CP	330.000 SF	_____.	_____.
1762	SPV.0165 Special 4069. Precast Concrete Modular Retaining Wall	3,340.000 SF	_____.	_____.
1764	SPV.0165 Special 4088. Precast Concrete Modular Wingwall	749.000 SF	_____.	_____.
1766	SPV.0165 Special 4090. Geocomposite Wall Drain	1,120.000 SF	_____.	_____.
1768	SPV.0165 Special 4100. Wall Concrete Panel Mechanically Stabilized Earth R-40-561	9,290.000 SF	_____.	_____.
1770	SPV.0165 Special 4101. Wall Concrete Panel Mechanically Stabilized Earth R-40-564	5,013.000 SF	_____.	_____.
1772	SPV.0165 Special 4102. Wall Concrete Panel Mechanically Stabilized Earth R-40-568	1,075.000 SF	_____.	_____.
1774	SPV.0165 Special 4103. Wall Concrete Panel Mechanically Stabilized Earth R-40-569	4,295.000 SF	_____.	_____.
1776	SPV.0165 Special 4104. Wall Concrete Panel Mechanically Stabilized Earth R-40-570	13,240.000 SF	_____.	_____.
1778	SPV.0165 Special 4105. Wall Concrete Panel Mechanically Stabilized Earth R-40-572	1,142.000 SF	_____.	_____.
1780	SPV.0165 Special 4106. Wall Concrete Panel Mechanically Stabilized Earth R-40-632	2,640.000 SF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201013001 Project(s): 1060-33-84, 1060-34-77, 1100-18-73, 1100-18-76  
 Federal ID(s): WISC 2020466, N/A, WISC 2021001, WISC 2020467

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1782	SPV.0165 Special 4107. Wall Concrete Panel Mechanically Stabilized Earth R-40-635	2,846.000 SF	_____.	_____.
1784	SPV.0180 Special 0101. Concrete Pavement 12-Inch Special	158,172.000 SY	_____.	_____.
1786	SPV.0180 Special 0102. Concrete Pavement HES 12-Inch Special	1,701.000 SY	_____.	_____.
1788	SPV.0180 Special 0103. Concrete Pavement 10-Inch Special	35,206.000 SY	_____.	_____.
1790	SPV.0180 Special 0105. Resin Binder High Friction Surface Treatment	2,757.000 SY	_____.	_____.
1792	SPV.0180 Special 0110. Pesticide Application	43,200.000 SY	_____.	_____.
1794	SPV.0180 Special 0301. Topsoil Special	176,099.000 SY	_____.	_____.
1796	SPV.0180 Special 0601. Soil Drying	68,000.000 SY	_____.	_____.
1798	SPV.0180 Special 0603. Concrete Pavement Repair Special	85.000 SY	_____.	_____.
1800	SPV.0180 Special 0604. Asphaltic Material Binder	8,074.000 SY	_____.	_____.
1802	SPV.0180 Special 4008. Membrane Waterproofing	2,050.000 SY	_____.	_____.
1804	SPV.0180 Special 4048. Asphalt Panels	3,617.000 SY	_____.	_____.
1806	SPV.0195 Special 0001. Fly Ash Stabilization	4,290.000 TON	_____.	_____.
1808	SPV.0195 Special 0002. Riprap Reach D Stone	2,000.000 TON	_____.	_____.
1810	SPV.0195 Special 0004. Excavation, Hauling, and Disposal of Low-Level Contaminated Soil	20,516.000 TON	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201013001 Project(s): 1060-33-84, 1060-34-77, 1100-18-73, 1100-18-76  
Federal ID(s): WISC 2020466, N/A, WISC 2021001, WISC 2020467

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1812	SPV.0195 Special 0010. Base Aggregate Dense 1 1/4-Inch Restoration	4,700.000 TON	_____.	_____.
1814	SPV.0195 Special 0015. Stone No. 2 Special	640.000 TON	_____.	_____.
1816	SPV.0195 Special 0020. HMA Longitudinal Joint Repair	500.000 TON	_____.	_____.
1818	SPV.0195 Special 0601. Soil Drying Agent	1,500.000 TON	_____.	_____.
1820	SPV.0195 Special 4008. Base Aggregate Open Graded Special	9,530.000 TON	_____.	_____.
1822	SPV.0195 Special 4029. Backfill Modular Retaining Wall	2,900.000 TON	_____.	_____.
1824	SPV.0195 Special 5001. Removing Wood Poles UPRR	6.000 TON	_____.	_____.
1826	SPV.0035 Special 0004. Clay Cap	6,300.000 CY	_____.	_____.
1828	SPV.0060 Special 1010. Lighting Pull Boxes Wauwatosa 17-Inch x 30-Inch	12.000 EACH	_____.	_____.
1830	SPV.0060 Special 1011. Lighting Pull Boxes Wauwatosa 24-Inch x 36-Inch	2.000 EACH	_____.	_____.
1832	SPV.0060 Special 1012. 23-FT Standard Concrete Light Poles and Arms	13.000 EACH	_____.	_____.
1834	SPV.0060 Special 1013. Lighting Control Cabinet 240/480 - Wauwatosa	2.000 EACH	_____.	_____.
1836	SPV.0060 Special 1014. Luminaires Utility LED A (30K)	16.000 EACH	_____.	_____.
1838	SPV.0060 Special 1015. Luminaires Utility LED C (30K)	19.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20201013001 Project(s): 1060-33-84, 1060-34-77, 1100-18-73, 1100-18-76  
Federal ID(s): WISC 2020466, N/A, WISC 2021001, WISC 2020467

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1840	SPV.0090 Special 1004. Polyethylene Duct 1 1/4-Inch	950.000 LF	_____.	_____.
1842	450.4000 HMA Cold Weather Paving	25,312.000 TON	_____.	_____.
1844	SPV.0060 Special 0170. Temporary Access Gates at CPRR	4.000 EACH	_____.	_____.
1846	SPV.0060 Special 0171. Temporary Crossing at CPRR	2.000 EACH	_____.	_____.
1848	SPV.0060 Special 0960. Crash Cushions Temporary Low Maintenance	22.000 EACH	_____.	_____.
Section: 0001			Total:	_____.
			Total Bid:	_____.