

A d d e n d u m

Iowa Department of Transportation

Date of Letting: June 20, 2017

Office of Contracts

Date of Addendum: June 12, 2017

B.O.	Proposal ID	Proposal Work Type	County	Project Number	Addendum
011	78-0293-069	BRIDGE REPLACEMENT - STEEL GIRDER	POTTAWATTAMIE	IM-NHS-029-3(69)53--03-78	20JUN011A03

Make the following changes to Proposal Details, Page 2 of the Proposal:

DELETE Site Numbers 1 and 2 and associated proposal notes.

Make the following changes to Proposal Special Provisions Text, Page 2 of the Proposal:

656.0207 SITES AND WORK RESTRICTIONS

DELETE Site Notes 01 and 02 and associated proposal notes.

Revise WORK RESTRICTION note as follows: Stage 2 track construction areas will not be available until ~~August 1, 2017~~ September 16, 2017, after UPRR forces complete Stage 1 track construction.

Add TRAFFIC RESTRICTION note: Multi-day closures of I-29 in either direction will not be allowed during the week of Thanksgiving and the week of Christmas through New Years Day.

Replaces plan sheets 2, 25, 26, J.01, and J.69 with the attached:

Sheet 2 – The exposed height of Stage 1 Temporary Shoring for the West Abutment was changed from 1,355 SFT to 1,434 SFT for Item No. 12 under the Estimate Reference Information

Sheet 25 – The number of tracks shown in the cross section STAGE 1 REMOVAL was revised from 3 tracks to 2 tracks.

Sheet 26 – The number of tracks shown in the cross section STAGE 1 REMOVAL was revised from 3 tracks to 2 tracks. The excavation line elevation in the STAGE 1 EAST ABUTMENT TEMPORARY SHORING was revised from 1005.44 to 1004.10.

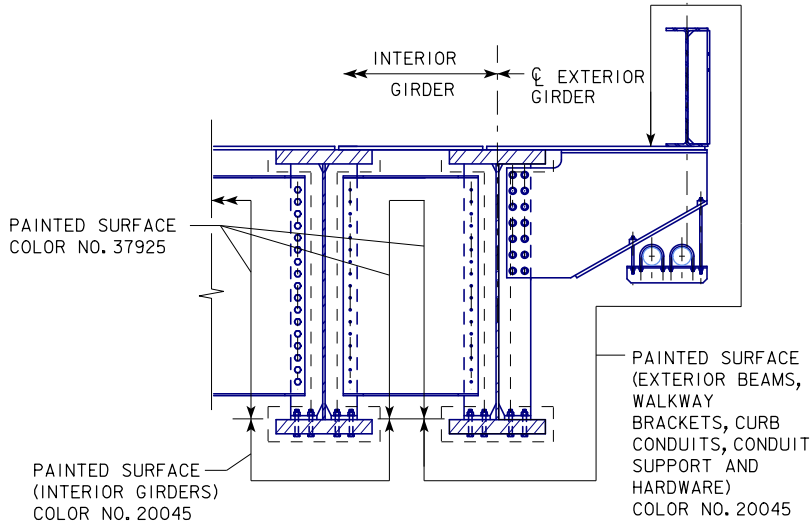
Sheet J.1 – Revised Traffic Control Plan note 1.A to delete sentence regarding full closure for consecutive days.

Sheet J.69 – Revised Contractor Access to remove noted access route from 9th Avenue (Harrah's Property)

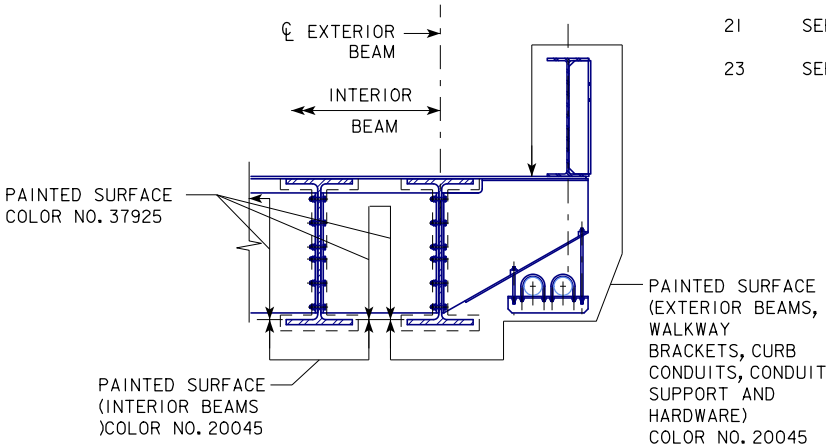
Attached are the minutes of the Pre-Bid Meeting held on June 1, 2017.

ESTIMATED BRIDGE QUANTITIES					
ITEM NO.	ITEM CODE	ITEM	UNIT	TOTAL	AS BUILT QUANTITY
1	2401-6745625	REMOVAL OF EXISTING BRIDGE	LS	1	
2	2402-2720000	EXCAVATION, CLASS 20	CY	10,586	
3	2403-0100010	STRUCTURAL CONCRETE (BRIDGE)	CY	3,015.7	
4	2404-7775000	REINFORCING STEEL	LB	175,491	
5	2404-7775005	REINFORCING STEEL, EPOXY COATED	LB	241,513	
6	2408-7800000	STRUCTURAL STEEL	LB	5,541,013	
7	2433-0001048	CONC DRILLED SHAFT, 48" DIA	LF	862	
8	2433-0003000	DEMONSTRATION SHAFT	LF	125	
9	2499-2300002	BRIDGE DRAINAGE SYSTEM	LS	1	
10	2501-0201473	PILES, STEEL, HP 14 X 73	LF	2,200	
11	2501-0201489	PILES, STEEL, HP 14 X 89	LF	25,500	
12	2501-8400172	TEMPORARY SHORING	LS	1	
13	2507-2638620	MACADAM STONE SLOPE PROTECTION	SY	569	
14	2507-2638660	BRIDGE WING ARMORING - MACADAM STONE	SY	14	
15	2526-8285000	CONSTRUCTION SURVEY	LS	1	
16	2528-8400048	TEMPORARY BARRIER RAIL, CONCRETE	LF	118	
17	2533-4980005	MOBILIZATION	LS	1	
18	2536-6745045	REMOVAL OF ASBESTOS	LS	1	
19	2590-0000020	PROJECT MANAGEMENT	LS	1	
20	2599-9999009	CONDUIT, FURNISH AND INSTALL, RIGID GALVANIZED, 4 INCH	LF	1,265	
21	2599-9999009	STEEL PICKET FENCING	LF	725.1	
22	2599-9999010	PROGRESS SCHEDULING	LS	1	
23	2599-9999014	DECK WATERPROOFING	SF	28,330	

ITEM NO.	ESTIMATE REFERENCE INFORMATION
3	INCLUDES CONCRETE FOR ABUTMENTS NO. A1 AND C2 STEMS, FOOTINGS, WING WALLS AND MASK WALLS. INCLUDES CONCRETE FOR PIER NO. B1, B2 AND C1 PIER CAPS AND STEMS AND FOOTING FOR PIER B2. INCLUDES FORM LINER AND AESTHETIC TREATMENTS FOR THE PIER CAPS, STEMS AND ABUTMENT WING WALLS. INCLUDES ALL PREFORMED EXPANSION JOINT FILLER REQUIRED. INCLUDES CONCRETE SEALER APPLIED TO THE EXPOSED BRIDGE SEAT SURFACE AT THE PIERS. INCLUDES FURNISHING AND PLACING SUBDRAIN (INCLUDING EXCAVATION), GRANULAR FILL AND SUBDRAIN OUTLET AT ABUTMENTS AND TOE OF BERM. INCLUDES 790 LINEAR FEET OF 1" DIA. RIGID STEEL CONDUIT AND 96 LINEAR FEET OF 2" DIA. STEEL CONDUIT IN PIERS NO. B1, B2, C1 AND ABUTMENT C2.
4	INCLUDES ALL UNCOATED MECHANICAL SPLICE ASSEMBLIES REQUIRED.
5	INCLUDES ALL EPOXY-COATED MECHANICAL SPLICE ASSEMBLIES REQUIRED.
6	WEIGHT INCLUDES 5,539,642 LBS. OF GRADE 50 AND 1,371 LBS. OF GRADE 36 SUPERSTRUCTURE STEEL FOR GIRDER WEBS AND FLANGES, WIDE FLANGE BEAMS, BEAM DIAPHRAGMS, BALLAST CURBS, DECK PLATES MASONRY PLATES, BEARING PLATES AND EMBED ANGLES WITH WELDED STUDS. PLAIN AND LAMINATED STEEL REINFORCED NEOPRENE PADS SHALL BE CONSIDERED INCIDENTAL TO THE STRUCTURAL STEEL BID ITEM.
8	THE DEMONSTRATION SHAFT SHALL BE LOCATED SOUTH OF PIER B1 AS SHOWN ON DESIGN SHEET 8 AND CONSTRUCTED IN ACCORDANCE WITH ARTICLE 2433 OF THE STANDARD SPECIFICATIONS. THE TIP ELEVATION IS ESTIMATED TO BE AT ELEVATION 880.93 AND THE SOCKET LENGTH SHALL BE 17'-0". HOWEVER, THESE WILL REQUIRE ADJUSTMENT BASED ON FIELD CONDITIONS AND RESULTS OF THE EXPLORATORY BORING. ADDITIONALLY, THE REINFORCING STEEL IN THE DEMONSTRATION SHAFT WILL BE THE SAME AS THAT SHOWN FOR PIER B-1, HOWEVER, THE REINFORCING DETAILS WILL REQUIRE ADJUSTMENT BY THE CONTRACTOR FOR THE DIFFERENCE IN LENGTH BETWEEN THE PRODUCTION SHAFTS AND THE DEMONSTRATION SHAFT AS NEEDED.
9	MEASUREMENT WILL BE THE LUMP SUM FOR COMPONENTS OF THE BRIDGE DRAINAGE SYSTEM REQUIRED AS SPECIFIED IN THE PLANS. THE PAYMENT SHALL BE FULL COMPENSATION FOR FURNISHING ALL MATERIAL, EQUIPMENT AND LABOR AND FOR PERFORMANCE OF ALL WORK NECESSARY FOR FABRICATING AND INSTALLING THE BRIDGE DRAINAGE SYSTEM AS PER PLAN. INCLUDES PIPING AND PIPE SUPPORTS. SEE DESIGN SHEETS 84 THRU 85 AND 89.
10,11	INCLUDES FURNISHING AND INSTALLING STEEL PILE POINTS. PILE AND PILE DRIVING SHALL FOLLOW THE REQUIREMENTS OF SECTION 2501 OF THE STANDARD SPECIFICATIONS WITH THE EXCEPTION OF SECTION 2501.03.M.1-2. SEE PILE DRIVING NOTES ON DESIGN SHEET 5 FOR PILE DRIVING REQUIREMENTS.
12	INCLUDES COMPLETE EARTH RETENTION SYSTEM REQUIRED TO EXCAVATE AND MAINTAIN EMBANKMENT TO SUPPORT TRAIN AND VEHICULAR TRAFFIC. INCLUDES CLOSURE WALLS THAT MAY BE REQUIRED DURING STAGE 2 CONSTRUCTION. INCLUDES 4,427 SQ. FT. OF EXPOSED RETAINED EARTH FOR STAGE 1 WEST ABUTMENT, 1,434 SQ. FT. FOR STAGE 1 EAST ABUTMENT, 1,150 SQ. FT. FOR ABUT. NO. C2 STAGE 2, AND 130 SQ. FT. FOR ABUT. NO. A1 STAGE 2.
13	INCLUDES FURNISHING AND PLACING ENGINEERING FABRIC, MACADAM STONE, 4" x 6" TREATED TIMBERS, 1/2" DIAMETER STEEL PINS (OR REBARS), POROUS BACKFILL OR GRANULAR SUBBASE BACKFILL AT FRONT FACE OF ABUTMENT FOOTING, AND ALL REQUIRED EXCAVATING, SHAPING AND COMPACTING.
14	INCLUDES FURNISHING AND PLACING ENGINEERING FABRIC, MACADAM STONE, 4" x 6" TREATED TIMBERS, 1/2" DIAMETER STEEL PINS (OR REBARS), AND ALL REQUIRED EXCAVATING, SHAPING AND COMPACTING FOR WING ARMORING.
16	INCLUDES TEMPORARY FENCE MOUNTED TO THE TOP OF THE BARRIER. TEMPORARY FENCE SHALL BE DESIGNED AND DETAILED IN ACCORDANCE WITH UPRR STANDARDS.
18	2% CHRYSOTILE ASBESTOS IS PRESENT IN THE GRAY CAULK UNDER THE METAL HANDRAIL BASE PLATES ON THE NORTH SIDE OF THE BRIDGE (15 BASES), 7 SQ. FT.
20	SEE DESIGN SHEET 95 FOR DETAILS.
21	SEE DESIGN SHEETS 91 -94 FOR DETAILS.
23	SEE DESIGN SHEETS 81 AND 84 SPECIAL PROVISION FOR DECK WATERPROOFING FOR DETAILS.



LIMITS OF PAINTING DETAIL
SPAN BI AND B2



LIMITS OF PAINTING DETAIL
SPAN AI AND C1

ROADWAY QUANTITIES SHOWN
ELSEWHERE IN THESE PLANS.

LOCATION

UPRR BR. 1.71 OVER I-29,
OMAHA SUBDIVISION
T-75N R-44W
SECTION 33
LAKE TOWNSHIP
POTTAWATTAMIE COUNTY
FHWA NO. 44736
FRA NO. 816679K
IOWA CROSSING NUMBER 12921
BRIDGE MAINT. NO. 7852.9x029
LATITUDE 41.249866°
LONGITUDE -95.906777°

DESIGN FOR 0° SKEW
290'-1 1/2 x 90'-2 WELDED STEEL GIRDER BRIDGE
50'-0, 100'-6, 90'-3, 50'-0
ESTIMATED QUANTITIES
STATION 101+32.08 APRIL, 2017
POTTAWATTAMIE COUNTY
IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION
DESIGN SHEET NO. 1 OF 95 FILE NO. 30169 DESIGN NO. 117



Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10423.02

DESIGN TEAM RK/KMS/KMP

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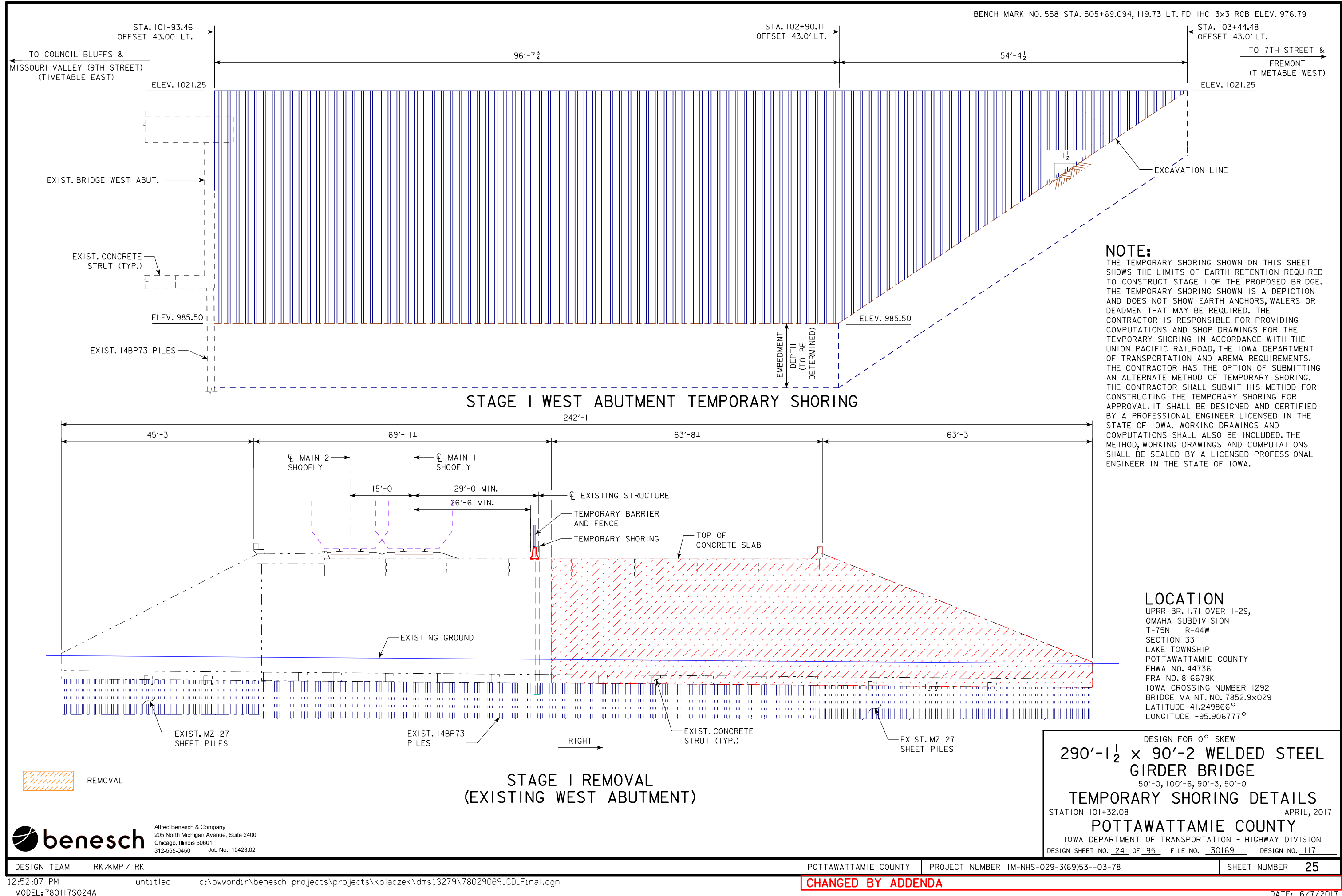
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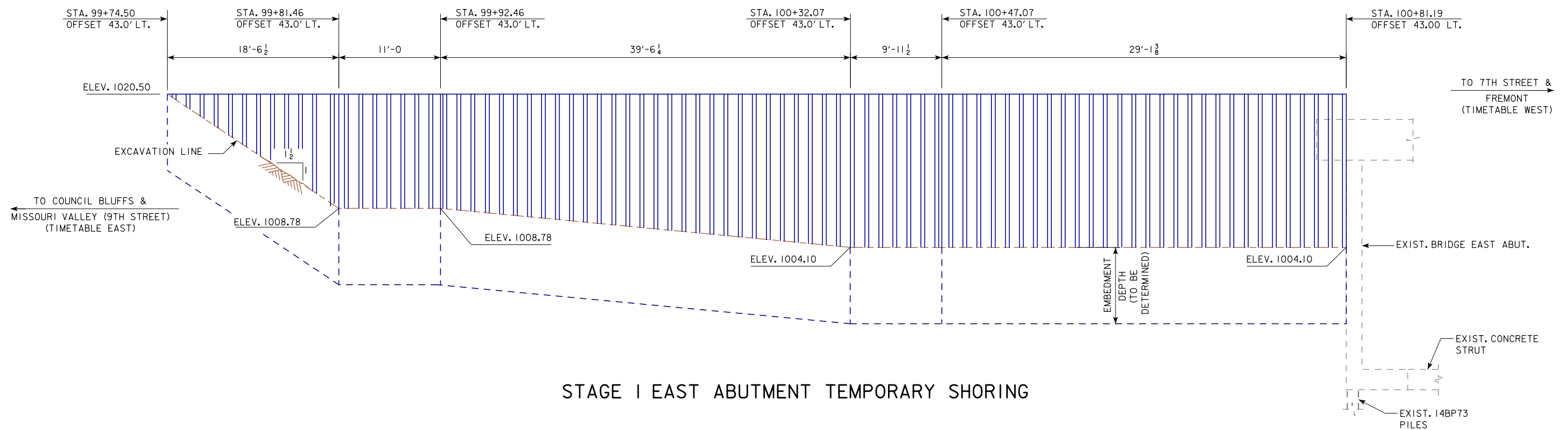
POTTAWATTAMIE COUNTY PROJECT NUMBER IM-NHS-029-3(69)53--03-78

SHEET NUMBER 2

CHANGED BY ADDENDA

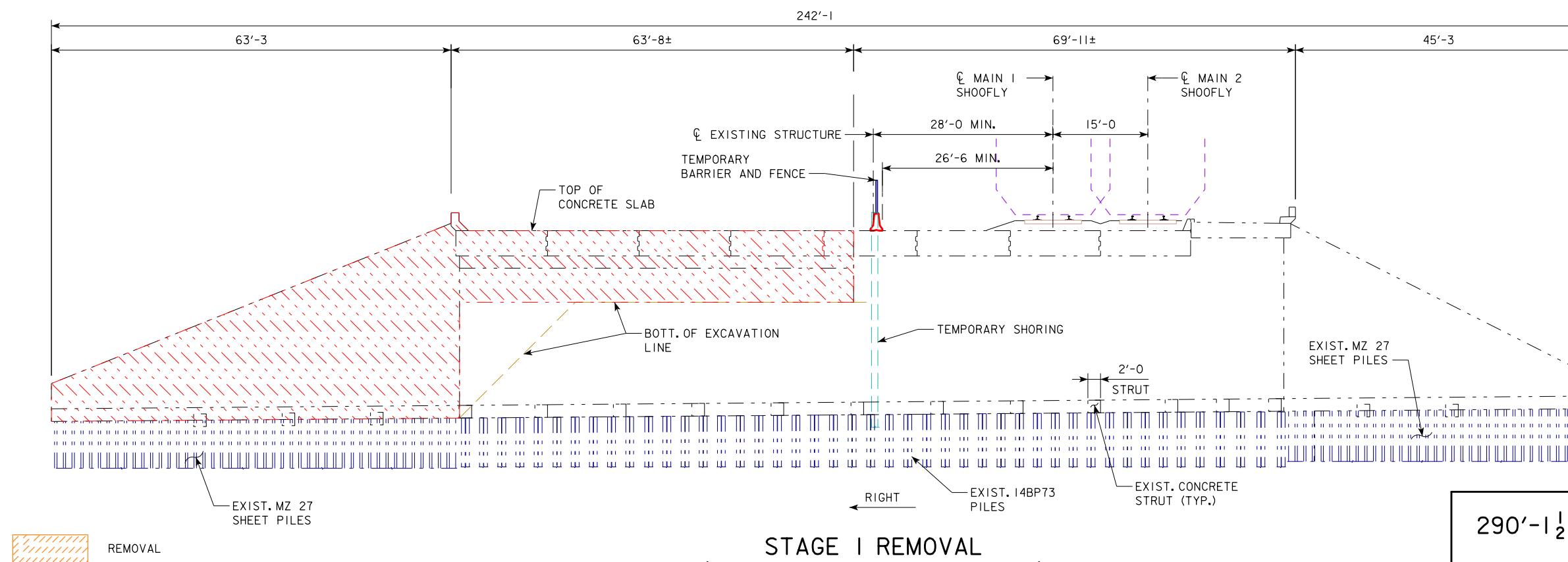
DATE: 6/7/2017





NOTE:
SEE DESIGN SHEET 24 FOR NOTES.

LOCATION
UPRR BR. 1.71 OVER I-29,
OMAHA SUBDIVISION
T-75N R-44W
SECTION 33
LAKE TOWNSHIP
POTTAWATTAMIE COUNTY
FHWA NO. 44736
FRA NO. 816679K
IOWA CROSSING NUMBER 12921
BRIDGE MAINT. NO. 7852.9x029
LATITUDE 41.249866°
LONGITUDE -95.906777°



DESIGN FOR 0° SKEW
290'-1 $\frac{1}{2}$ x 90'-2 WELDED STEEL GIRDER BRIDGE
50'-0, 100'-6, 90'-3, 50'-0
TEMPORARY SHORING DETAILS
STATION 101+32.08 APRIL, 2017
POTTAWATTAMIE COUNTY
IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION
DESIGN SHEET NO. 25 OF 95 FILE NO. 30169 DESIGN NO. 117

TRAFFIC CONTROL PLAN

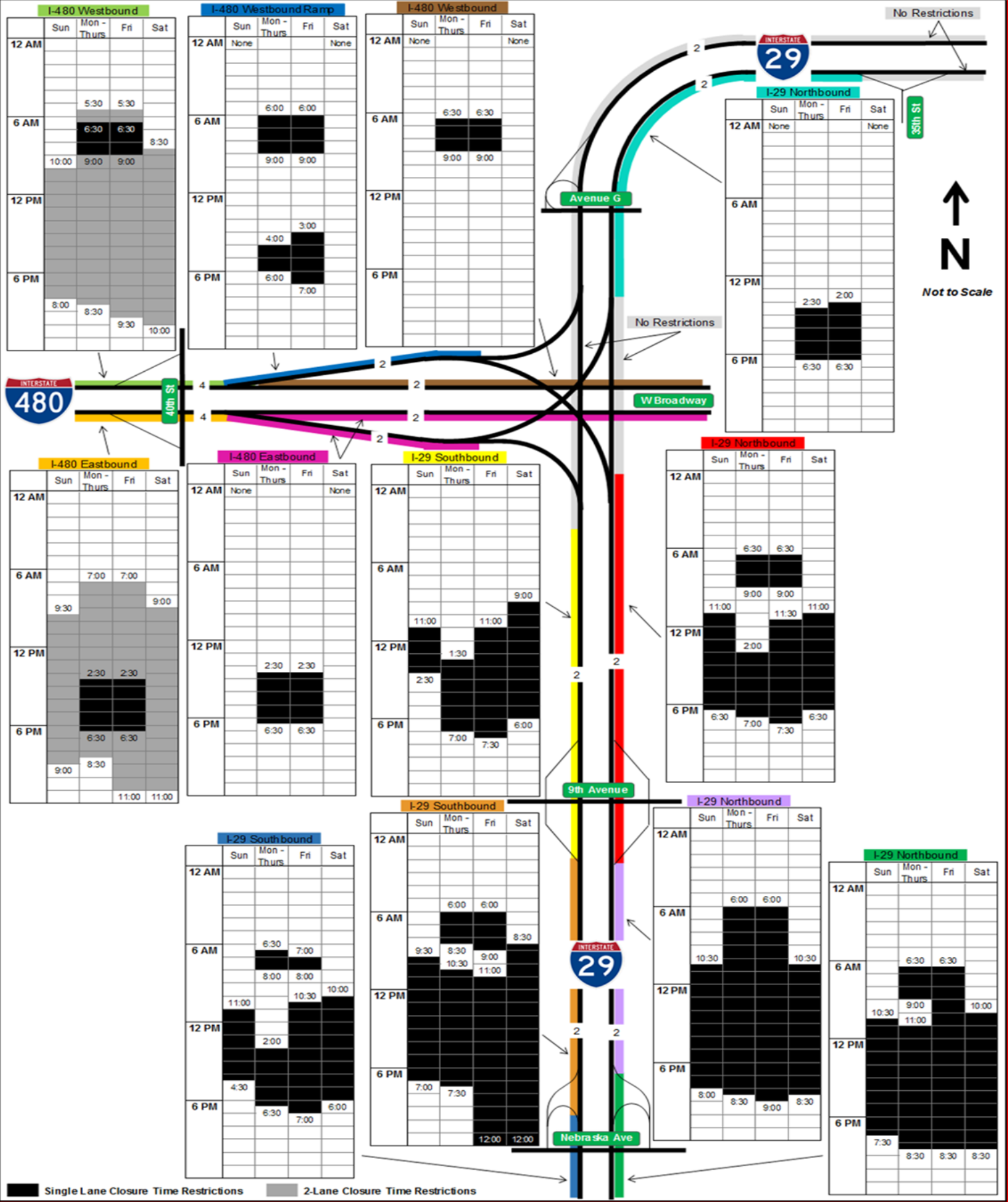
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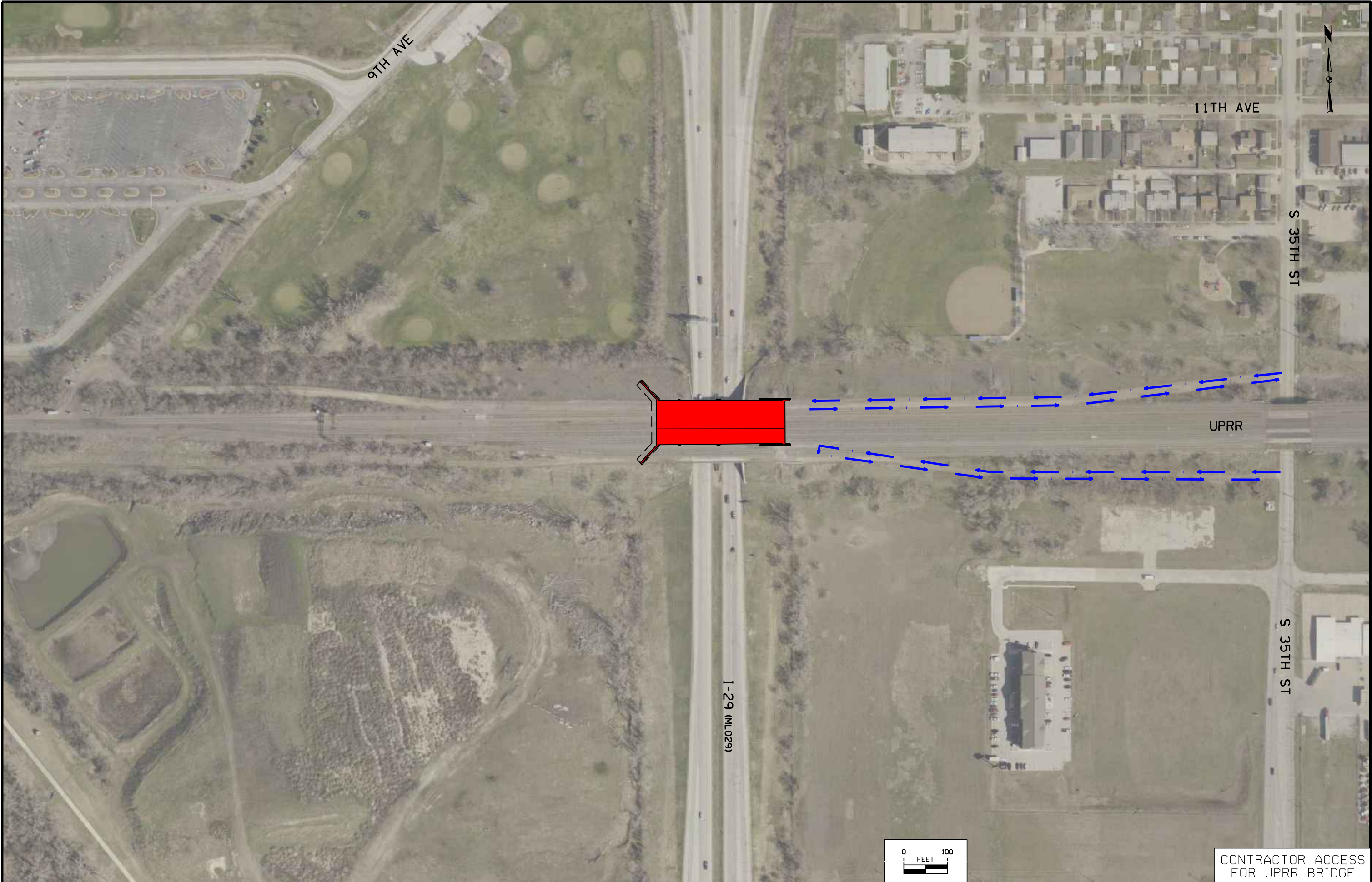
1. All I-29 lanes, ramps and local roadways will be maintained at all times except as provided for in the following and shown in the graphic to the right. The provided closure times are applicable only to the (69) construction project area. Large venue entertainment events at the CenturyLink Center, TD Ameritrade Ballpark, MAC Center, Stir Concert Cove, Tom Hanafan Park, Westfair, casinos, retail outlets, and other locations will generate traffic volumes exceeding lane closure thresholds. The Contractor shall notify the Engineer two weeks in advance of the closure time for approval.
- A. Nighttime road closures of an interstate segment will be permitted and shall be in accordance with the layouts outlined in the plans. Closures will be allowed daily from 10:30 PM to 5:30 AM from Sunday night thru Friday morning. Full closures of the interstate shall not occur the same night as an event at the Stir Concert Cove or Tom Hanafan Park. The Contractor shall notify the Engineer two weeks in advance of the closure time for approval.
- B. Multiday road closures of I-29 will be permitted for up to 4 consecutive days from 10:30 PM Sunday night through 5:30 AM Friday morning to demo the existing bridge for up to 4 separate occasions. Only a single direction of the interstate may be closed at a time. A traffic coordination meeting between the Contractor and the Engineer shall be held four weeks in advance of any multiday closure to determine appropriate traffic control and signing strategies. Static signing shall be used for multiday detour signing. PDMS may be used to supplement static signing at the beginning and end of the multiday closure. The Contractor shall notify the Engineer four weeks in advance of the closure for approval.
- C. Temporary ramp closures shall be in accordance with the layouts outlined in the plans and allowed daily from 10:00 PM - 6:00 AM, Sunday through Thursday. An interstate ramp closure at 9th Ave or Nebraska Ave interchange shall not occur the same night as an event at the Stir Concert Cove. The Contractor shall notify the Engineer two weeks in advance of the closure time for approval.
- D. Temporary shoulder closures will be allowed during non-peak hours. Peak hours are 6 AM to 9 AM and 3 PM to 6 PM, Monday thru Saturday. If the lane closure time is less restrictive than the shoulder closure time, then the shoulder closure will be allowed during the less restrictive lane closure time.
- E. Side road work restrictions will be determined base on City of Council Bluffs input.
2. PDMS shall be deployed 3 days prior to any overnight closure of ramps or mainline interstate. PDMS shall be deployed 7 days prior to any daytime full closure of an interstate mainline. All PDMS units shall be furnished, maintained and removed by the contractor. The contractor shall coordinate with the Engineer to determine appropriate locations and messaging.
3. The Contractor shall submit any traffic control plan modifications to the Engineer for review and approval 2 weeks prior to any changes being made.
4. All shy distances to TBR shall be 3' minimum from travel lane unless otherwise noted in the plans.
5. The Contractor shall notify the Engineer at least 10 calendar days in advance of all lane closures, lane shifts, traffic pattern changes, and transition between traffic control stages.
6. The Contractor shall provide notification to the Statewide Traffic Management Center (515-237-3300) immediately prior to deployment and upon removal of lane closures. If a planned lane closure does not occur at the scheduled time immediately contact the Statewide Traffic Management Center.

COORDINATED OPERATIONS

Other work in progress during the same period of time will include the construction of the projects listed. Coordinate operations with those of other contractors working within the same area.

Project	Type of Work
IM-NHS-080-1(462)4--03-78	Grade and Pave
IM-NHS-080-1(459)4--03-78	Grade and Pave
IM-NHS-080-1(392)0--03-78	Grade and Pave
IM-NHS-029-3(115)48--03-78	Grade and Pave
IM-NHS-029-3(171)48--03-78	Grade and Pave







MINUTES SUMMARY

PROJECT:	IM-NHS-029-3(69)53—03-78, Proposal ID 78-0293-069	
SUBJECT:	Pre-Bid: UPRR over I-29 Bridge Replacement	
MEETING TYPE:	Pre-Bid	
MEETING #:		
MEETING PUBLISHED BY:		
DATE AND TIME:	Start: 6/01/17 09:00:00 AM	End: 6/01/17 12:00:00 PM
LOCATION:	UPRR Superintendent's Building, Council Bluffs, IA	

MINUTES DETAILS

1. UPRR Staff – Safety Briefing
2. Introductions
3. Office of Contracts – This project has a letting date of June 20, 2017. Bids are due at 10:00 a.m. on June 20. Contractors may submit a request to bid by 12:00 noon on June 19th. Currently there are three plan holders.
4. PowerPoint overview of project provided.
5. UPRR Staff – Stage 1 of project (by UPRR Forces) will be done in the first half of September 2017. DOT contractor work begins in Stage 2, which will begin around September 16, 2017. An addendum will be required.
6. Project milestones are listed in the Contract, and discussed in the project overview provided.
7. The UPRR overhead power lines north of the bridge are de-energized.
8. The equipment that the Contractor needs to support UPRR Forces during track shifts are listed in the Special Provisions for Railroad Track (SP-150267) document.
9. Will discuss with DOT Office of Rail and UPRR about the possibility of having UPRR provide a flagger for the duration of construction. This may simplify the flagger bid item, because there will need to be a flagger on site every day for the duration of the project.
10. A contractor asked a question about the drilled shaft pier, why is this pier drilled shaft, and not pile like the others? Benesch answered question: The pier is drilled shaft to minimize the shoring that is required.
11. A contractor asked a question about the Lane Rental fees. The Lane Rental fees are listed in the Special Provisions for Lane Rental for Bridge Demolition (SP-150269) document. There is no charge for lane closure during the overnight hours listed on sheet J.1 of the plans.
12. Plan Sheet Number 25 and 26 will be updated by Benesch showing 2 temporary tracks.
13. Project Site Visit notes:
 - a. How many Trains per day does this site average? Answer: 18 to 25 trains per day.
 - b. Train speed is 25 mph.
 - c. Where is an area for material storage? Answer: After Tracks 3-5 are removed, space will become available at the project site. Other than that, there is land adjacent to the project site owned by UPRR that is available for Contractor Material Storage.
 - d. How does the Ballast get delivered to the project site? Answer: UPRR will be providing the ballast for the project on a ballast train. The Contractor will have to coordinate with UPRR on where the ballast will be stockpiled.
 - e. The Contractor will use trucks to bring in all track material needed for Contractor Forces. Contractor will need to coordinate with UP on material storage location.
 - f. The UPRR Standards will be posted online.
 - g. Contractor shall protect in place the signal houses. Contractor shall install K-Rail adjacent to signal houses in order to protect them.
14. Meeting adjourned. Contractors shall post all further questions online.