

MODEL: SQQ PLAN 1 (Sheet)
FILE NAME: c:\mswsp-us-pw-ill\pms13785\p180848-aitt-SQQ.dgn

SUMMARY OF QUANTITIES					TYPE CODE					
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
					ROADWAY	BRIDGE				
					80% FED 20% STATE	80% FED 20% STATE				
	Code No.	Item	Unit	Total Quantity	0059	0059				
	20200100	EARTH EXCAVATION	CU YD	20	20					
	28000400	PERIMETER EROSION BARRIER	FOOT	845	845					
	28000500	INLET AND PIPE PROTECTION	EACH	9	9					
	28000510	INLET FILTERS	EACH	4	4					
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	444	444					
	40600370	LONGITUDINAL JOINT SEALANT	FOOT	130	130					
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	344	344					
	40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	73	73					
	50102400	CONCRETE REMOVAL	CU YD	39.2	39.2					
	50300255	CONCRETE SUPERSTRUCTURE	CU YD	42.9	42.9					
	50300300	PROTECTIVE COAT	SQ YD	1255	36	1219				
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	6830	6830					
	50800515	BAR SPLICERS	EACH	76	76					
	52000110	PREFORMED JOINT STRIP SEAL	FOOT	124	124					
	60255500	MANHOLES TO BE ADJUSTED	EACH	3	3					
	60260100	INLETS TO BE ADJUSTED	EACH	4	4					
*	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	437.5	437.5					
	63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4	4					
	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4					
	63200310	GUARDRAIL REMOVAL	FOOT	837.5	837.5					
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	20	20					
* SPECIALTY ITEM										
					USER NAME = USKE715271		DESIGNED - MM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
							DRAWN - MM	REVISED -		
							CHECKED - KE	REVISED -		
					PLOT DATE = 1/16/2026		DATE - 01/16/2026	REVISED -		

SUMMARY OF QUANTITIES					TYPE CODE					
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
					ROADWAY	BRIDGE				
					80% FED 20% STATE	80% FED 20% STATE				
	Code No.	Item	Unit	Total Quantity	0059	0059				
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1					
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1					
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1					
*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	6	6					
*	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6					
*	67100100	MOBILIZATION	L SUM	1	1					
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	108	108					
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	148	148					
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	3532.2	3532.2					
	70307100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE	SQ FT	36.4	36.4					
	70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	11281	11281					
	70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	28	28					
	70307140	TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE	FOOT	198	198					
	70307160	TEMPORARY PAVEMENT MARKING - LINE 12"- TYPE IV TAPE	FOOT	459	459					
	70307210	TEMPORARY PAVEMENT MARKING - LINE 24"- TYPE IV TAPE	FOOT	84	84					
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	708	708					
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	804	804					
	70600255	IMPACTATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	2	2					
	70600322	IMPACTATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	4	4					
*	72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4					
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	188	188					
* SPECIALTY ITEM										
					USER NAME = USKE715271		DESIGNED - MM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
							DRAWN - MM	REVISED -		
							CHECKED - KE	REVISED -		
					PLOT DATE = 1/16/2026		DATE - 01/16/2026	REVISED -		

1

REVISED SHEET 4/15/2026

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	(1010B-89) BDR,BJR 25	COOK	43	3
CONTRACT NO. 80B48				
ILLINOIS FED. AID PROJECT				

MODEL: SOQ Sheet 2 [Sheet]
FILE NAME: c:\bms\wsp-us-pw-ll\dms13785ID180B48-sht-SOQ.dgn

REV-SEP

GENERAL NOTES

1. Reinforcement bars designated (E) shall be epoxy coated.
3. Plan dimensions and details relative to the existing structure have been taken from existing plans are subject to nominal construction variations. The Contactor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
4. Existing reinforcement bars extending into the removal area shall be cleaned, straightened, and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system at the Contractor's expense.
5. Cost of removal and disposal of existing expansion joints shall be included in the cost of Concrete Removal.
6. Joint openings shall be adjusted according to Article 520.04 of the Std. Specs. when the deck is poured at an ambient temperature other than 50°F.
7. The Contractor shall use extreme care during concrete removal so as not to damage the PPC I-Beam. Prior to removal, the top flanges of the PPC I-Beams shall shall be marked on the deck surface. Any damage to the beams or diaphragms shall be repaired as directed by the Engineer at the Contractor's expense.
8. All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.

INDEX OF SHEETS

1. General Plan and Elevation
2. General Data
3. Construction Staging - 1
4. Construction Staging - 2
5. Temporary Concrete Barrier
6. Deck Repairs
7. Parapet Details
8. Abutment Expansion Joint Reconstruction Plan
9. Abutment Expansion Joint Reconstruction Details - 1
10. Abutment Expansion Joint Reconstruction Details - 2
11. Preformed Joint Strip Seal - Sidewalk
12. Preformed Joint Strip Seal - Sidewalk
13. Preformed Joint Strip Seal - Sidewalk
14. North Abutment Repairs
15. North Face Pier Repairs
16. South Face Pier Repairs
17. South Abutment Repairs
18. Bar Splicer Assembly and Mechanical Splicer Details

SCOPE OF WORK

1. Scarify ¾" from the bridge deck and vaulted approach slabs.
2. Perform Deck Slab Repairs and Approach Slab Repairs.
3. Remove and replace expansion joints at both abutments and install Preformed Joint Strip Seals.
4. Remove and replace masonry units to facilitate joint replacement at the sidewalks.
5. Install Bridge Latex Concrete Overlay - 2¾"
6. Clean and reseal the pavement relief joints. (See Roadway Plans)
7. Install polymer concrete nosing at the end of vaulted approach slabs.
8. Install HMA Overlay on approach pavements. (See Roadway Plans)
9. Perform Diamond Grinding to the deck surface.
10. Perform Bridge Deck Grooving (Longitudinal).
11. Apply Protective Coat to the deck and sidewalks.
12. Remove and replace B6.24 Curb and Gutters. (See Roadway plans)
13. Substructure Repairs
14. Paint steel portion of bearings at both abutments.
15. Remove channel debris.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	Cu Yd	39.2		39.2
Concrete Superstructure	Cu Yd	42.9	-	42.9
Protective Coat	Sq Yd	1219	-	1219
Reinforcement Bars, Epoxy Coated	Pound	6820	-	6820
Bar Splicers	Each	76	-	76
Mechanical Splicers	Each	8	-	8
Preformed Joint Strip Seal	Foot	124	-	124
Masonry Reconstruction	Sq Yd	8	-	8
Bridge Deck Grooving (Longitudinal)	Sq Yd	968	-	968
Cleaning And Painting Bearings	Each	16	-	16
Approach Slab Repair (Full Depth)	Sq Yd	10	-	10
Approach Slab Repair (Partial Depth)	Sq Yd	3	-	3
Bridge Deck Latex Concrete Overlay 2 3/4"	Sq Yd	915	-	915
Concrete Bridge Deck Scarification 3/4"	Sq Yd	915		915
Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)	Sq Ft	-	126	126
Structural Repair of Concrete (Depth Greater Than 5 Inches)	Sq Ft	25	-	25
Debris Removal	Cu Yd	-	20	20
* Deck Slab Repair (Full Depth - Type I)	Sq Yd	1	-	1
Diamond Grinding (Bridge Section)	Sq Yd	887	-	887
Polymer Concrete	Cu Ft	10.9	-	10.9

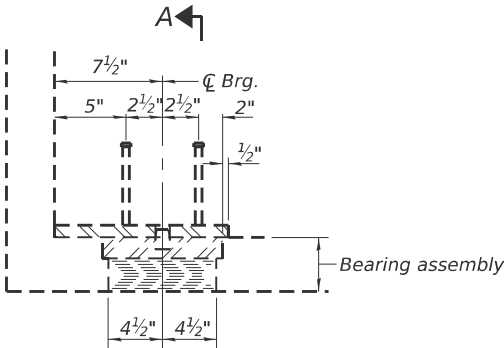
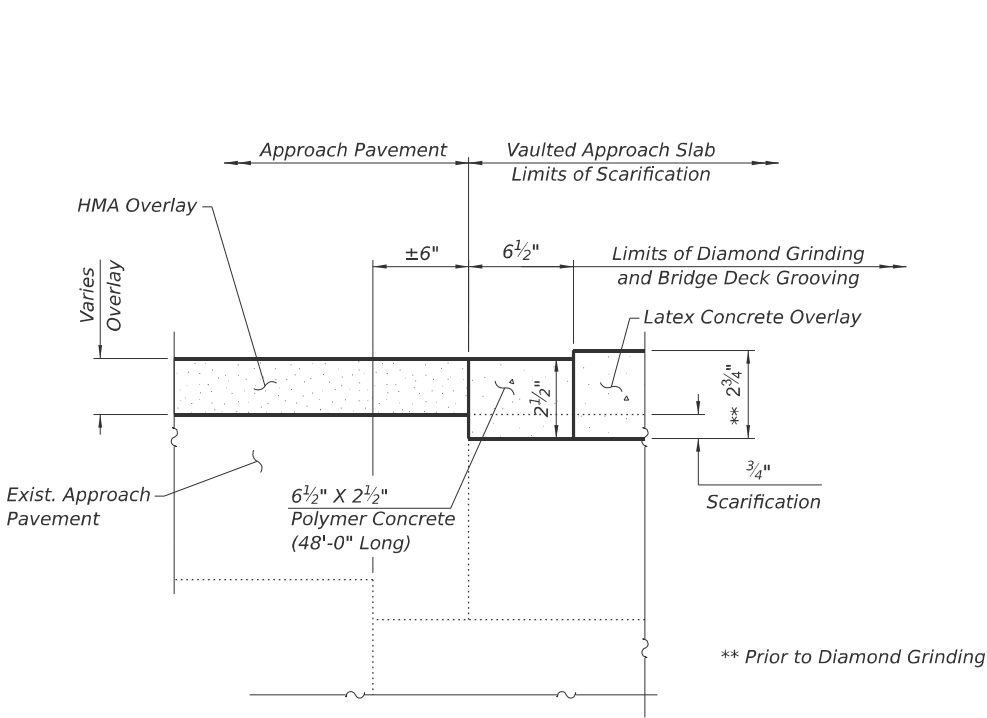
* Areas of deck repair shown are estimated. The Engineer shall show actual locations of deck repairs on as-built plans.

WATERWAY INFORMATION

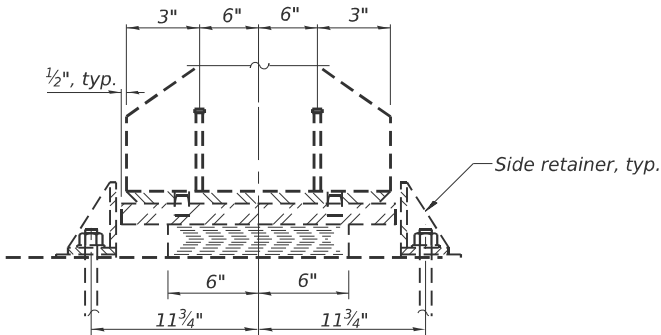
Drainage Area = 107 Sq. Mi.				Low Grade Elev. 611.93 @ Sta. 23+00				
Flood	Freq. Yr.	Q C.F.S.	Opening Ft²		Nat. H.W.E.	Head - Ft.		Headwater El.
			Exist.	Prop.		Exist.	Prop.	
	10	2495	615	955	600.6	0.2	0.1	600.9
Design	50	3580	740	1240	603.3	0.3	0.2	603.6
Base	100	4065	795	1430	605.1	0.2	0.3	605.4
Overtopping								
Max. Calc.	500	5330	820	1540	607.1	0.3	0.5	607.6

Note: The information in this table is taken from the 1992 as-built plans. No updated waterway information was obtained for this contract.

MODEL: Default
FILE NAME: pwc\wsp-rp-pw-bentley.com\wsp-us-jw-ll\Documents\Projects\2025\US421027_Central Ave Bridge TAMP\Structures\Sheets\02_General Data.dgn



ELEVATION AT ABUT.



SECTION A-A

EXISTING TYPE I ELASTOMERIC EXP. BRG. AT ABUTMENTS
(FOR INFORMATION ONLY)

Clean and Paint exposed steel portion on bearings under PPC beams at abutments. Cost included with Cleaning and Painting Bearings. See Special Provision.

Cleaning and painting of the existing structural steel shall be as specified in the special provision for "Cleaning and Painting Bearings". All bearings at south and north abutments shall be cleaned per Near White Blast Cleaning - SSPC-SP10.

The designated areas cleaned Near White Blast Cleaning shall be painted according to the requirements of Organic Zinc-Rich Primer/Epoxy Intermediate Coat/Urethane Topcoat - OZ/E/U. The color of the final finish coat for all steel surfaces shall be Gray, Munsell No 5B 7/1.

DESIGN SPECIFICATIONS (NEW CONST.)

2002 AASHTO Standard Specification for Highway Bridges, 17th Edition

DESIGN SPECIFICATIONS (EXISTING)

1989 AASHTO with 1990 Interims and 1983 Guide Specifications for Seismic Design of Highway Bridges with 1985 and 1988 Interim Specifications

DESIGN STRESSES

FIELD UNITS (New Construction)

f_c = 4,000 psi (Superstructure)

f_c = 3,500 psi (Substructure)

f_y = 60,000 psi (Reinforcement)

FIELD UNITS (1993 Original Construction)

f_c = 3,500 psi (Superstructure and Substructure)

f_y = 60,000 psi (Reinforcement)

f_c = 6,000 psi (PPC I-Beams)

f_{ci} = 4,300 psi (PPC I-Beams)

f_s = 270,000 psi (½" Ø Strands)

f_s = 189,000 psi (½" Ø Strands)

LOADING HS 20-44 (EXISTING)

REVISED SHEET 4/15/2026



USER NAME =	DESIGNED - BJD	REVISED - 04/01/2026
	CHECKED - LAS	REVISED -
PLOT SCALE =	DRAWN - GM	REVISED -
PLOT DATE =	CHECKED - BJD	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 016-2605

SHEET 2 OF 17 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2798	1010b-89	COOK	44	19
CONTRACT NO. 80B48				
ILLINOIS FED. AID PROJECT				