

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				90% FED 10% STATE				100% STATE
				ROADWAY	BRIDGE	OHSS	HIGHWAY LIGHTING	ROADWAY PATCHING
				0005	0059	0044	0021	0006
44213000	PATCHING REINFORCEMENT	SQ YD	14594					14594
44213200	SAW CUTS	FOOT	54293			920		53373
44213202	TIE BARS 1"	EACH	10006			159		9847
45200100	JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER)	FOOT	40000	40000				
45200300	JOINT OR CRACK FILLING	POUND	100000	100000				
48100300	AGGREGATE SHOULDERS, TYPE A 4"	SQ YD	314	314				
48100900	AGGREGATE SHOULDERS, TYPE A 10"	SQ YD	16	16				
50102400	CONCRETE REMOVAL	CU YD	794.5		791.3	3.2		
50104650	SLOPE WALL REMOVAL	SQ YD	338		338			
50157300	PROTECTIVE SHIELD	SQ YD	24304		24304			
50200100	STRUCTURE EXCAVATION	CU YD	285.1		184.6	100.5		
50300225	CONCRETE STRUCTURES	CU YD	95.7		95.7			
50300255	CONCRETE SUPERSTRUCTURE	CU YD	778.7		778.7			
50300300	PROTECTIVE COAT	SQ YD	53673	198	53475			

* SPECIALTY ITEM

** 0042

MODEL: Default
FILE NAME: P:\2004-25 FTB195-014 HBM\WC06 L90 Various Overlay\Sheet Files\0162K73-511-5003.dgn



USER NAME = ken.drabant	DESIGNED - KJD	REVISED -
	DRAWN - KJD	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - RTB	REVISED -
PLOT DATE = 4/29/2024	DATE - 4/29/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
NB INTERSTATE 90/ 94 (KENNEDY EXPY)

SCALE: N/A SHEET 3 OF 19 SHEETS STA. TO STA.

F A I RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		2020-005-BR	COOK	908	7
					CONTRACT NO. 62K73
ILLINOIS FED. AID PROJECT					

REVISOR'S MARK: REVISED SHEET 7/25/2024

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				90% FED 10% STATE				100% STATE	
				ROADWAY	BRIDGE	OHSS	HIGHWAY LIGHTING	ROADWAY PATCHING	
				0005	0059	0044	0021	0006	
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1			1			
Z0055905	TEMPORARY CONSTRUCTION FENCE	FOOT	4787		4787				
Z0064800	SELECTIVE CLEARING	UNIT	56	56					
Z0073200	TEMPORARY SHORING AND CRIBBING	EACH	85		85				
∅ Z0076600	TRAINEES	HOUR	1500	1500					
∅ Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	1500	1500					
* Z0076604	REVLAC CONTROL SYSTEM TESTING	L SUM	1	1					
△ X4421003	PARTIAL DEPTH PATCHING (SPECIAL)	EACH	3000	3000					
X6060224	CONCRETE MEDIAN, TYPE SM-2.24 (SPECIAL)	SQ FT	480	480					
* X8120101	CONDUIT COUPLER	EACH	50	50					
X0323599	LOCKS FOR GATES	EACH	62		62				

* SPECIALTY ITEM

** 0042

MODEL: Default
FILE NAME: P:\2004-825 FTB195-014 HBM\W066 L90 Various Overlay\Sheet Files\0162K73-SHT-50019.dgn



USER NAME = ken.drabant	DESIGNED - KJD	REVISED -
	DRAWN - KJD	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - RTB	REVISED -
PLOT DATE = 4/29/2024	DATE - 4/29/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
NB INTERSTATE 90/ 94 (KENNEDY EXPY)

SCALE: N/A SHEET 19 OF 19 SHEETS STA. TO STA.

REVISED SHEET 7-24-2024		∅ 0042	
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS
90/94	2020-005-BR	COOK	908
			23
		CONTRACT NO. 62K73	
ILLINOIS FED. AID PROJECT			

REV-SEP

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	STRUCTURE NUMBER																					
				016-0135 (NB)	016-0134 (NB)	016-0133 (NB)	016-0133 (REV)	016-0133 (SB)	016-0132 (NB)	016-0131 (NB)	016-0130 (NB)	016-0129 (NB)	016-0128 (NB)	016-2654 (NB)	016-0127 (NB)	016-0125 (NB)	016-1077 (NB)	016-1071 (NB)	016-0122 (NB)	016-1109 (NB)	016-0117 (NB)	016-0116 (NB)	016-0113 (NB)	016-0111 (NB)	016-2459 (REV)
20700220	POROUS GRANULAR EMBANKMENT	CU YD	120	16	19	12			38	4	2		3		5	3		4		3		3	5	3	
50102400	CONCRETE REMOVAL	CU YD	791.3	29.6	23.5	38.9			27.9	40.7	32.4	56	24.1		46.9	35	29.3	57	53.9	29.9	38.9	44.2	40.2	47.2	95.7
50104650	SLOPE WALL REMOVAL	SQ YD	338	51	47	34			113	11	4		7		14	8		10		6		10	16	7	
50157300	PROTECTIVE SHIELD	SQ YD	24304	877	687	2858			912	1149	755	2235	1222		1954	895	941	1064	1566	827	1770	2080	1136	1376	
50200100	STRUCTURE EXCAVATION	CU YD	184.6																						184.6
50300225	CONCRETE STRUCTURES	CU YD	95.7																						95.7
50300255	CONCRETE SUPERSTRUCTURE	CU YD	778.7	32.3	26.4	52.3			31.3	46.7	35.8	61.4	27.5		52.6	39.7	32.9	61.6	60.3	33.6	43.3	49.5	44.7	46.8	
50300300	PROTECTIVE COAT	SQ YD	53475	2116	1753	14278			2225	2466	1690	2486	2450	557	3334	2274	1804	2125	1944	1887	1951	3134	2014	2597	390
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	22173	1000	4300		770		10220	330	2990	540	910							340		773			
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	126380	4660	4430	12170			5700	7630	5240	6310	4830		5500	6020	5030	8780	7930	4460	5760	7350	5940	7800	10840
50800515	BAR SPLICERS	EACH	640	36	32	64			32	32	32	32	30		34	32	32	44	44	36	32	32	32	32	
51100100	SLOPE WALL 4 INCH	SQ YD	338	51	47	34			113	11	4		7		14	8		10		6		10	16	7	
52000005	PREFORMED JOINT SEAL 1"	FOOT	179			73													106						
52000030	PREFORMED JOINT SEAL 2 1/2"	FOOT	4225	245	207	1533			261	237	196	292	265	125	369				280	215					
52000110	PREFORMED JOINT STRIP SEAL	FOOT	4943	146	156	1286			196	289	183	226	195		201	228	186	232	301	155	211	264	214	274	
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	29			13	9	7																	
52100030	ELASTOMERIC BEARING ASSEMBLY, TYPE III	EACH	1					1																	
52100520	ANCHOR BOLTS, 1"	EACH	44			36	8																		
52100530	ANCHOR BOLTS, 1 1/4"	EACH	4					4																	
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	3323																						3323
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	184.6																						184.6
58700300	CONCRETE SEALER	SQ FT	23442	605	795	6145			778	1131	833	1160	950		1086	1111	932	1153	1213	905	783	1351	1221	1290	
59000200	EPOXY CRACK INJECTION	FOOT	1235	27	11	126			60	33	85	119	13		46	73	233	154	26	63	101	30	13	22	
66400305	CHAIN LINK FENCE, 6'	FOOT	17			17																			
X0323491	SLOPE WALL CRACK SEALING	FOOT	1499	49	71	42			25	163	63		34		134	220		104		458		14		122	
X0325748	ACRYLIC COATING	SQ YD	1973			1973																			
X0325749	FIBER WRAP	SQ FT	17753			17753																			
X0328013	PROTECTIVE NETTING	SQ YD	3010																			3010			
X0328023	REMOVAL OF EXISTING PROTECTIVE NETTING	SQ YD	3010																			3010			

MODEL: D:\hbm\it...
 FILE NAME: P:\2004-2025\190_Veribus_Overlays\Sheet_Efiles\0162K73-SHT-StructSchedule.dgn

REVISED SHEET 7/25/2024



USER NAME = ken.drabant	DESIGNED - KJD	REVISED - KJD 07/24/2024
DRAWN - KJD	REVISIONS -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - RTB	REVISIONS -
PLOT DATE = 4/29/2024	DATE - 4/29/2024	REVISIONS -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BRIDGE STRUCTURES SCHEDULE OF QUANTITIES NB INTERSTATE 90/ 94 (KENNEDY EXPY)			
SCALE: N/A	SHEET 1	OF 2 SHEETS	STA. TO STA.

F.A.J. RTE. 90/94	SECTION 2020-005-BR	COUNTY COOK	TOTAL SHEETS 908	SHEET NO. 24
ILLINOIS FED. AID PROJECT				

BEARING PAINT NOTES:

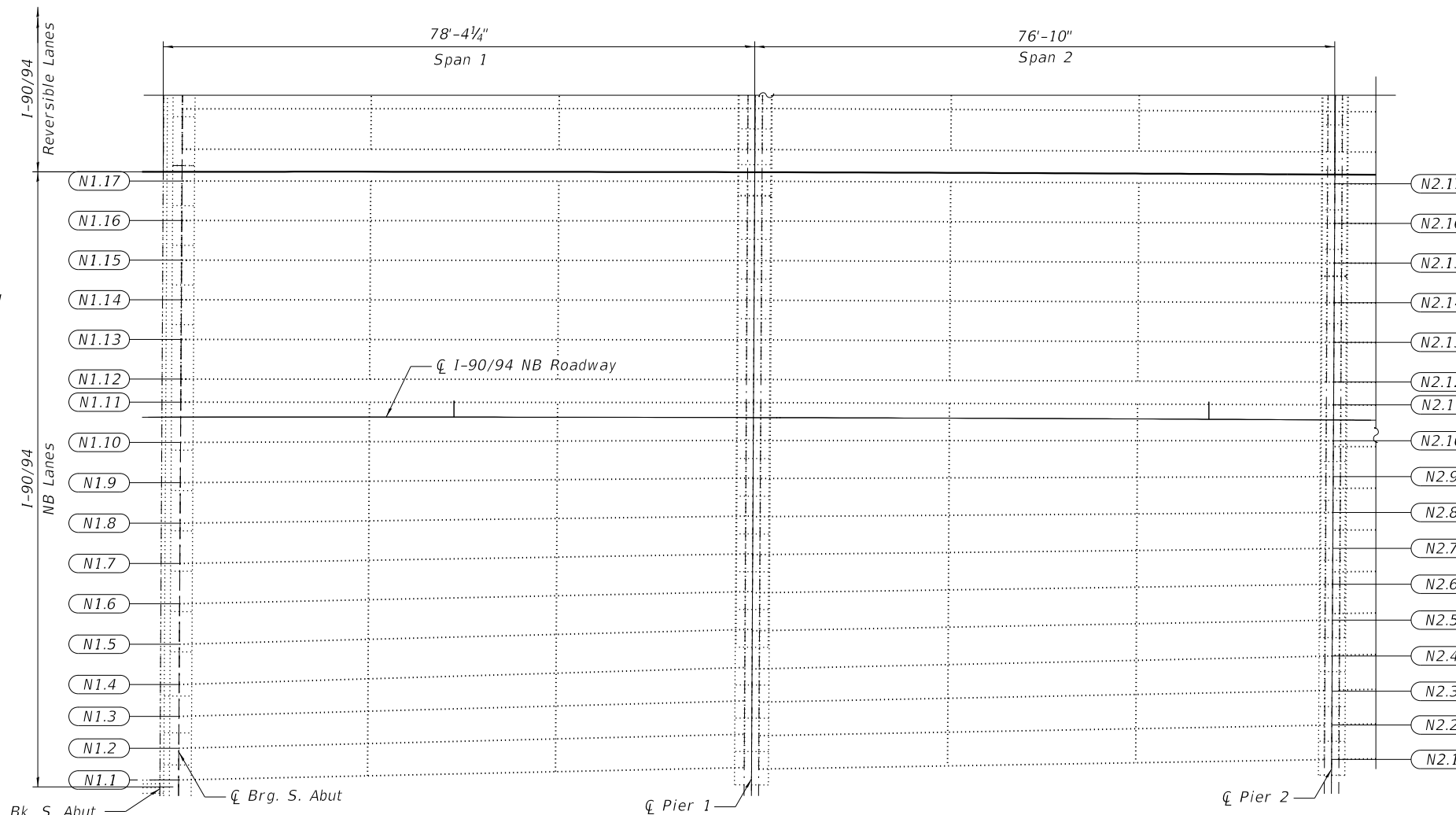
- For bearing locations and existing plans, see Sheets S03A-070 thru S03A-079 and S03A-116 thru S03A-121.
- Only the existing bearings under the PPC I-beams shall be cleaned and painted. This cleaning and painting shall be performed before FRP repairs for the PPC I-beams.
- Cleaning and painting of the existing structural steel shall be as specified in the Special Provision for "Cleaning and Painting Bearings".
- All bearings shall be cleaned per Commerical Grade Power Tool Cleaning (SSPC-SP-15).
- All ends of beams and diaphragms shall be protected during the cleaning and painting. Any damage to the adjacent surfaces (including, but not limited to, adjacent steel beams and diaphragms) shall be repaired at no additional cost to the Department.
- The designated areas cleaned per Commerical Grade Power Tool Cleaning (SSPC-SP-15) shall be painted according to the requirements of Paint System 1 - Organic Zinc-Rich Primer / Epoxy Intermediate Coat / Urethane Top Coat (OZ/E/U). The color of the final finish coat for all steel surfaces shall be Gray, Munsell No. 5B 7/1.
- A minimum of four (4) air monitors will be required at each location to monitor abrasive blasting operations at this site. See Special Provision for "Containment and Disposal of Lead Paint Cleaning Residues".
- SSPC QP1 and SSPC QP2 Certification is required for this Contract.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Acrylic Coating	Sq Yd	1,973
Fiber Wrap	Sq Ft	17,753
Cleaning And Painting Bearings	Each	558
Precast Prestressed Concrete I-Beam Repair	Sq Ft	852
Temporary Shoring And Cribbing	Each	21

FIBER WRAP NOTES:

- Repairs shown are based on field inspection. Conditions in field may have changed. Verify all dimensions in the field prior to ordering any material or commencement of any work.
- It is the Contractor's responsibility to work around existing utilities in the Fiber Wrap Repair area.
- It is the Contractor's responsibility to remove any protrusions in the concrete in the Fiber Wrap Repair area.
- Repair method for delamination and/or spall shall require Precast Prestressed Concrete I-Beam Repair prior to Fiber Wrap Repair.
- Surface must be clean, sound and dry. Remove dust, laitance, grease, curing compounds, impregnations, waxes, foreign articles, disintegrated materials, and other bond inhibiting materials from the surface.
- Existing uneven surfaces must be filled with an appropriate polymer concrete.
- Cracks with width greater than 0.012 inch must be stabilized using epoxy injection methods. Use manufacturer's data sheets for information on mixing epoxy resin.
- Prior to placing the fiber wrap material, the concrete surface is to be sandblasted and cleaned.
- Beam corners shall be rounded to at least 3/4" radius and smoothed to a surface finish prior to application of fibers.
- System is a vapor barrier. Don't encapsulate concrete if any surface moisture is present.
- Carbon fabric is non-reactive. However, caution must be used when handling since a fine "Carbon Dust" may be present on the surface. Gloves and protective face masks must, therefore, be worn to protect against any respiratory problems and skin irritation. Wrap the identified girders with the specified number of wraps as indicated.
- For beam repair details and tables, see Sheets S03A-066 thru S03A-079.
- For General Notes and Total Bill of Material, see Sheet S03A-006.
- General installation procedures are given in the special provision "FRP Strengthening for PPC I-Beam Repairs".
- The Contractor is responsible to remove and relocate existing utilities interfering with the work.



PARTIAL FRAMING PLAN - SPAN 1 & 2

BEAM REACTION TABLE

LOADS	N17.10	N17.13 N17.12 N17.11	N17.14	N18.5	N18.6	N18.7	N18.8	N18.9	N18.10	N18.11	N18.12	N18.13	N19.3 N19.1	N19.2	N19.4	N19.5	N19.8 N19.7 N19.6	N19.9	N20.3 N20.1	N20.2	N20.4	N20.5	N20.7 N20.6	N20.8	N20.9	N21.1	N21.2	N21.3	N21.4	GIRDER G2
RDL	k	34.0	39.1	34.2	31.4	31.4	31.4	25.7	25.7	30.2	30.2	27.6	36.2	36.2	26.3	32.5	38.5	34.9	28.3	28.3	21.6	26.1	29.3	29.3	28.9	30.3	30.3	32.7	26.1	503.2
RLL	k	38.8	44.4	35.6	41.7	41.7	41.7	34.7	34.7	39.4	39.4	34.5	42.8	42.8	35.4	35.3	41.5	35.4	45.5	45.5	37.3	34.1	42.6	42.6	36.1	44.9	44.9	49.6	40.0	114.3
IMP	k	9.9	11.3	9.0	11.3	11.3	11.3	9.4	9.4	10.6	10.6	9.3	11.0	11.0	9.1	9.0	10.6	9.1	12.6	12.6	10.3	9.3	11.8	11.8	10.0	12.2	12.2	13.5	10.9	19.0
R TOTAL	k	87.7	94.8	78.8	84.4	84.4	84.4	69.8	69.8	80.2	80.2	71.4	90.0	90.0	70.8	76.8	90.6	79.4	86.4	86.4	69.2	65.4	83.7	83.7	74.3	87.4	87.4	95.8	77.0	839.0

DL Deflection at ζ beam (includes weight of concrete only)
 $\Delta = 1/8"$

LOADS	BEAM N23.1	GIRDER G6
RDL	10.4	755.8
RLL	25.5	722
IMP	7.6	189.5
R TOTAL	43.5	1,667.3

REVISION 2 REVISED SHEET 7/24/2024

MODEL: Default
 FILE NAME: P:\2004-825-PTB\195-014-HBM\WO#7-190-Various-Overlays\Ashland-Ave\Sheet-Files\0160133-62K73-S58-Framing-Plan1.dgn
 7/24/2024 1:11:15 PM



USER NAME =	DESIGNED - LAB, KJD	REVISION 2	LAB 07/24/2024
PLOT SCALE =	CHECKED - MI	REVISION -	
PLOT DATE =	DRAWN - LAB, KJD	REVISION -	
	DATE - 4/29/2024	REVISION -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FRAMING PLAN (SHEET 1 OF 8)
 STRUCTURE NO. 016-0133 (NB)**

SHEET S03A-058 OF S03A-148 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2020-005-BR	COOK	908	386
CONTRACT NO. 62K73				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

- Reinforcement bars designated (E) shall be epoxy coated.
- Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor 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.
- Bars noted thus, 3x2-#5, indicates 3 lines of #5 bars with 2 lengths of bars per line.
- All exposed concrete edges shall have a 3/4"x45° chamfer except where shown otherwise.
- Existing reinforcement extended into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal operations shall be replaced using an approved bar splicer or anchorage system at the Contractor's expense.
- For SMA overlay on Approach Slab, see Roadway Sheets.
- Protective Coat shall be applied to the top of reconstructed transverse joint areas, top and inside faces of parapets, and top of Latex Concrete Overlay.
- Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than 50°F.
- Prior to pouring the new concrete deck for expansion joint reconstruction and deck slab repairs, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete. As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that cannot be removed by grinding 1/4" deep shall be identified and reported to the Bureau of Bridges and Structures for further dispositions. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.
- The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
- Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".
- All new structural steel shall be hot-dip galvanized. See Special Provisions for "Hot Dip Galvanized for Structural Steel".
- Fasteners shall be ASTM A325 Type 1, galvanized according to ASTM F 2329. Bolts 3/4 in., holes 13/16 in., unless otherwise noted. Diaphragm connection holes be 15/16" for 3/4" bolts. Two hardened washers shall be required at diaphragm connections.
- No field welding is permitted except as specified in the contract documents.
- Adjacent I-90/94 reversible bridge is not shown throughout the plans for clarity.
- The Contractor shall take the necessary precautions for the protection of passing vehicles, bicycles and pedestrians from falling objects and/or materials until completion of work.
- The Contractor is responsible to protect the existing conduit and junction box embedded in the parapet during removal and construction. Any damage to the existing conduit and junction box shall be repaired by the Contractor at his or her expense at no charge to IDOT.
- The Contractor is responsible to remove, support and reinstall all existing electrical conduits interfering with the work. See special provision "Protection and Maintenance of Existing Underpass Luminaires".
- The Contractor shall exercise extreme caution during concrete removal to avoid damage to the existing steel beams and diaphragms to remain. Any damage to the existing steel beam and diaphragms to remain caused by the Contractor in the performance of his/her work shall be repaired by the Contractor, to the satisfaction of the Engineer, at no cost to the Department.
- Where underpass lighting is present on the structure, the Contractor shall adjust the Protective Shielding to ride above the existing lighting fixtures in order to maintain the existing level of lighting on the roadway underneath. Details shall be approved by the Engineer before installation.

INDEX OF SHEETS

- S15-01 General Plan and Elevation
- S15-02 General Notes, Index of Sheets & TBOM
- S15-03 Stage Construction (Sheet 1 of 2)
- S15-04 Stage Construction (Sheet 2 of 2)
- S15-05 Temporary Concrete Barrier
- S15-06 Deck Repair Plan
- S15-07 E. Abut. Joint Removal & Replacement (Sht. 1 of 3)
- S15-08 E. Abut. Joint Removal & Replacement (Sht. 2 of 3)
- S15-09 E. Abut. Joint Removal & Replacement (Sht. 3 of 3)
- S15-10 W. Abut. Joint Removal & Replacement (Sht. 1 of 3)
- S15-11 W. Abut. Joint Removal & Replacement (Sht. 2 of 3)
- S15-12 W. Abut. Joint Removal & Replacement (Sht. 3 of 3)
- S15-13 Preformed Joint Strip Seal
- S15-14 Framing Plan Steel Repairs
- S15-15 Structural Steel Repair Details
- S15-16 East Abutment Repairs
- S15-17 West Abutment Repairs
- S15-18 Pier 1 Repairs
- S15-19 Pier 2 Repairs
- S15-20 Slope Wall Repairs
- S15-21 Bar Splicer Assembly and Mechanical Splicer Details

SCOPE OF WORK

- Provide Protective shield within limits indicated on the plans.
- Scarify 3/4" from the bridge deck slab.
- Perform Deck Slab Repairs.
- Reconstruct Expansion Joints at the East and West abutments and install new preformed joint strip seals.
- Apply 3" Bridge Deck Latex Concrete Overlay on Bridge Deck.
- Perform 1/4" Diamond Grinding to top of bridge deck and abutment hatched block.
- Apply 2" Stone-Matrix Asphalt (SMA) Overlay on the approach Slabs, see Roadway Plans.
- Perform Bridge Deck Grooving (Longitudinal) on traffic lanes.
- Apply protective coat to the top of reconstructed transverse joint areas, top and inside faces of parapets, and top of Latex Concrete Overlay.
- Perform structural concrete repairs for the abutments and piers as noted on the plans.
- Perform Slope Wall repairs.

GENERAL NOTES (CONT.)

- Any adjustment done to the Protective Shield System must not change the load carrying capacity (or containment specifications) as indicated in the STD specs. Cost of adjusting shielding is including in the cost of Protective Shield.
- The Contractor shall contact Chandra Libby, the Director of City of Chicago Department of Family Support Services (DFSS) at 312-746-5443 or Chandra.Libby@cityofchicago.org to coordinate the relocation of persons and their personal belongings under the bridges within the areas bounded by the temporary chain-link-fence.
- The intent of the temporary fence is to deny access of any unauthorized personnel under the bridge during construction. Actual fence installations may vary from what is shown on the plans. All fence installations must be approved by the Engineer.
- Prior to the application of the Concrete Sealer, the contractor shall clean all existing debris from the abutment seats. The method of debris removal shall not damage the existing concrete and shall be approved by the Engineer. See special provision for Debris Removal.
- Concrete Sealer is to be applied to the abutment seats and the bottom 2 ft of the abutment backwall.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment	Cu Yd	3	-	3
Concrete Removal	Cu Yd	29.9	-	29.9
Slope Wall Removal	Sq Yd	-	6	6
Protective Shield	Sq Yd	827.2	-	827.2
Concrete Superstructure	Cu Yd	33.6	-	33.6
Protective Coat	Sq Yd	1887	-	1887
Furnishing and Erecting Structural Steel	Pound	340	-	340
Reinforcement Bars, Epoxy Coated	Pound	4460	-	4460
Bar Splicers	Each	36	-	36
Slope Wall 4 Inch	Sq Yd	-	6	6
Preformed Joint Seal 2 1/2"	Foot	215	-	215
Preformed Joint Strip Seal	Foot	155	-	155
Concrete Sealer	Sq Ft	-	905	905
Epoxy Crack Injection	Foot	-	63	63
Slope Wall Crack Sealing	Foot	-	458	458
Protect and Maintain Existing Underpass Luminaire	L Sum	-	0.04	0.04
Bridge Deck Grooving (Longitudinal)	Sq Yd	1115	-	1115
Approach Slab Repair (Full Depth)	Sq Yd	32	-	32
Approach Slab Repair (Partial Depth)	Sq Yd	32	-	32
Structural Steel Removal	Pound	300	-	300
Bridge Deck Latex Concrete Overlay, 3 Inches	Sq Yd	1625	-	1625
Bridge Deck Scarification 3/4"	Sq Yd	1625	-	1625
Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)	Sq Ft	-	149	149
Structural Repair of Concrete (Depth Greater Than 5 Inches)	Sq Ft	-	13	13
Deck Slab Repair (Full Depth, Type II)	Sq Yd	37.0	-	37.0
Diamond Grinding (Bridge Section)	Sq Yd	1686	-	1686
Temporary Construction Fence	Foot	-	293	293
Temporary Shoring and Cribbing	Each	-	3	3

MODEL: Default
 FILE NAME: p:\V\ANVA01PWINT01\Parsons.com\Illinois State\Documents\DOT_HBM Task Order\Work Order 5 - I-90&slash;94 Bridge Deck Overlays\40 - Design\CAD\Structural\Sheets_Kimball\0161109-62K73-502-GenNotes.dgn
 7/24/2024 5:52:06 PM



USER NAME =	DESIGNED - JAB	REVISED - 2 7/24/2024
	CHECKED - HAA	REVISED -
PLOT SCALE =	DRAWN - JAB	REVISED -
PLOT DATE =	DATE - 04/29/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES, INDEX OF SHEETS & TBOM
STRUCTURE NO. 016-1109 (NB)**

SHEET S15-02 OF S15-21 SHEETS

REVISED SHEET 7/25/2024

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2020-005-BR	COOK	908	763
			CONTRACT NO. 62K73	
ILLINOIS		FED. AID PROJECT		

GENERAL NOTES

- Reinforcement bars designated (E) shall be epoxy coated.
- Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor 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.
- Bars noted thus, 3x2-#5, indicates 3 lines of #5 bars with 2 lengths of bars per line.
- All exposed concrete edges shall have a 3/4"x45° chamfer except where shown otherwise.
- Existing reinforcement extended into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal operations shall be replaced using an approved bar splicer or anchorage system at the Contractor's expense.
- For SMA overlay on Approach Slab, see Roadway Sheets.
- Protective Coat shall be applied to the top of reconstructed transverse joint areas, top and inside faces of parapets, and top of Latex Concrete Overlay.
- Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than 50°F.
- Prior to pouring the new concrete deck for expansion joint reconstruction and deck slab repairs, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete. As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that cannot be removed by grinding 1/4" deep shall be identified and reported to the Bureau of Bridges and Structures for further dispositions. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.
- The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
- Adjacent CTA Tracks bridge is not shown throughout the plans for clarity.
- The Contractor shall take the necessary precautions for the protection of passing vehicles, bicycles and pedestrians from falling objects and/or materials until completion of work.
- The Contractor is responsible to protect the existing conduit and junction box embedded in the parapet during removal and construction. Any damage to the existing conduit and junction box shall be repaired by the Contractor at his or her expense at no charge to IDOT.
- The Contractor is responsible to remove, support and reinstall all existing electrical conduits interfering with the work. See special provision "Protection and Maintenance of Existing Underpass Luminaires".
- The Contractor shall exercise extreme caution during concrete removal to avoid damage to the existing steel beams and diaphragms to remain. Any damage to the existing steel beam and diaphragms to remain caused by the Contractor in the performance of his/her work shall be repaired by the Contractor, to the satisfaction of the Engineer, at no cost to the Department.
- Where underpass lighting is present on the structure, the Contractor shall adjust the Protective Shielding to ride above the existing lighting fixtures in order to maintain the existing level of lighting on the roadway underneath. Details shall be approved by the Engineer before installation.
- Any adjustment done to the Protective Shield System must not change the load carrying capacity (or containment specifications) as indicated in the STD specs. Cost of adjusting shielding is including in the cost of Protective Shield.
- The Contractor shall contact Chandra Libby, the Director of City of Chicago Department of Family Support Services (DFSS) at 312-746-5443 or Chandra.Libby@cityofchicago.org to coordinate the relocation of persons and their personal belongings under the bridges within the areas bounded by the temporary chain-link-fence.
- The intent of the temporary fence is to deny access of any unauthorized personnel under the bridge during construction. Actual fence installations may vary from what is shown on the plans. All fence installations must be approved by the Engineer.

INDEX OF SHEETS

- S16-01 General Plan and Elevation
- S16-02 General Notes, Index of Sheets & TBOM
- S16-03 Stage Construction (Sheet 1 of 2)
- S16-04 Stage Construction (Sheet 2 of 2)
- S16-05 Temporary Concrete Barrier
- S16-06 Deck Repair Plan
- S16-07 E. Abut. Joint Removal & Replacement (Sht. 1 of 3)
- S16-08 E. Abut. Joint Removal & Replacement (Sht. 2 of 3)
- S16-09 E. Abut. Joint Removal & Replacement (Sht. 3 of 3)
- S16-10 W. Abut. Joint Removal & Replacement (Sht. 1 of 3)
- S16-11 W. Abut. Joint Removal & Replacement (Sht. 2 of 3)
- S16-12 W. Abut. Joint Removal & Replacement (Sht. 3 of 3)
- S16-13 Preformed Joint Strip Seal
- S16-14 East Abutment Repairs
- S16-15 West Abutment Repairs
- S16-16 Pier 1 Repairs
- S16-17 Pier 2 Repairs
- S16-18 Bar Splicer Assembly and Mechanical Splicer Details

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	Cu Yd	38.9	-	38.9
Protective Shield	Sq Yd	1770.2	-	1770.2
Concrete Superstructure	Cu Yd	43.3	-	43.3
Protective Coat	Sq Yd	1951	-	1951
Reinforcement Bars, Epoxy Coated	Pound	5760	-	5760
Bar Splicers	Each	32	-	32
Preformed Joint Strip Seal	Foot	211	-	211
Concrete Sealer	Sq Ft	-	783	783
Epoxy Crack Injection	Foot	-	101	101
Protect and Maintain Existing Underpass Luminaire	L Sum	-	0.04	0.04
Bridge Deck Grooving (Longitudinal)	Sq Yd	1271	-	1271
Approach Slab Repair (Full Depth)	Sq Yd	40	-	40
Approach Slab Repair (Partial Depth)	Sq Yd	40	-	40
Bridge Deck Latex Concrete Overlay, 3 Inches	Sq Yd	1694	-	1694
Bridge Deck Scarification 3/4"	Sq Yd	1694	-	1694
Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)	Sq Ft	-	85	85
Deck Slab Repair (Full Depth, Type II)	Sq Yd	21.1	-	21.1
Diamond Grinding (Bridge Section)	Sq Yd	1763	-	1763
Temporary Shoring and Cribbing	Each	-	1	1

SCOPE OF WORK

- Provide Protective shield within limits indicated on the plans.
- Scarify 3/4" from the bridge deck slab.
- Perform Deck Slab Repairs.
- Reconstruct Expansion Joints at the East and West abutments and install new preformed joint strip seals.
- Apply 3" Bridge Deck Latex Concrete Overlay on Bridge Deck.
- Perform 1/4" Diamond Grinding to top of bridge deck and abutment hatched block.
- Apply 2" Stone-Matrix Asphalt (SMA) Overlay on the approach Slabs, see Roadway Plans.
- Perform Bridge Deck Grooving (Longitudinal) on traffic lanes.
- Apply protective coat to the top of reconstructed transverse joint areas, top and inside faces of parapets, and top of Latex Concrete Overlay.
- Perform structural concrete repairs for the abutments and piers as noted on the plans.

GENERAL NOTES (CONT.)

- Prior to the application of the Concrete Sealer, the contractor shall clean all existing debris from the abutment seats. The method of debris removal shall not damage the existing concrete and shall be approved by the Engineer. See special provision for Debris Removal.
- Concrete Sealer is to be applied to the abutment seats and the bottom 2 ft of the abutment backwalls.
- The Contractor shall Remove, Store, and re-erect portions of the structure mounted Timber Noise Abatement wall that interferes with the joint reconstruction. The Cost of this work, including any new hardware as required, is included in the cost of Concrete Superstructure.

MODEL: Default
FILE NAME: p:\v\va\va01p\wint01\Parsons.com:Illinois State\Documents\IDOT_HBM Task Order\Work Order_5 - I-90&slabsh:94 - Bridge Deck Overlays\40 - Design\CAD\Structural\Sheets_Pulaski\0160117-62K73-502-GenNotes.dgn



USER NAME =	DESIGNED - JAB	REVISED - 7/24/2024
	CHECKED - HAA	REVISED -
PLOT SCALE =	DRAWN - JAB	REVISED -
PLOT DATE =	DATE - 04/29/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES, INDEX OF SHEETS & TBOM
STRUCTURE NO. 016-0117 (NB)**

SHEET S16-02 OF S16-18 SHEETS

REVISED SHEET 7/25/2024

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2020-005-BR	COOK	908	784
CONTRACT NO. 62K73				
ILLINOIS		FED. AID PROJECT		