					CONSTRUC 80% FEDERAL	TION CODE			
CODE NO.		ITEM	UNIT	TOTAL	20% STATE ROADWAY 0006 RURAL				
50300300	PROTECTIVE COAT		SQ YD	2254	2254				
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU Y D	95.9	95.9				
50500405	FURNISHING AND ERECTING STR	UCTURAL STEEL	POUND	87120	87120				
50500505	STUD SHEAR CONNECTORS		EACH	\$ 4524	4524				
50606701	CLEANING AND PAINTING STRUC	TURAL STEEL, LOCATION 1	L SUM	1	1				
50800205	REINFORCEMENT BARS, EPOXY	COATED	POUND	173980	173980				
50800515	BAR SPLICERS		EACH	1685	1685				
51100100	SLOPE WALL 4 INCH		SQ YD	513	513				
51500100	NAME PLATES		EACH	1	1				
52100010	ELASTOMERIC BEARING ASSEM	BLY, TYPE I	EACH	6	6				
52100520	ANCHOR BOLTS, 1"		EACH	26	26				
59300100	CONTROLLED LOW-STRENGTH M	IATERIAL	CU YD	150	150				
60604400	COMBINATION CONCRETE CURB	AND GUTTER, TYPE B-6.18	FOOT	217	217				
* 63000001	STEEL PLATE BEAM GUARDRAIL	, TYPE A, 6 FOOT POSTS	FOOT	400	400				
*= SPECIAL	LTY ITEM		l:						
GNED - ZJT IN - ZJT KED - CEI -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS Department of transporta	TION	SCALE:	IL 38 OVER UNION SUMMARY OF SHEET 3 OF 7 SH	QUANTITIES	F.A.P. RTE. 567	SECTION 5VB-BR	COUNTY TOTAL SHEE SHEETS NO. KANE 73 5 CONTRACT NO. 62C14 ALD PROJECT

EILE NAME	COLLINS Suite 90 1 60606	USER NAME = aseiber	DESIGNED – ZJT DRAWN – ZJT	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 38 OVER UNION PACIFIC Summary of Quan				
	ENGINEERS (312) 704-9300	PLOT SCALE = 100.0000 '/ in.	CHECKED - CEI	REVISED -						
		PLOT DATE = 12/6/2018	DATE –	REVISED -		SCALE:	SHEET	3	OF 7	7 SF

INDEX OF	SHEETS		GENERAL NOTES		GENERAL NOTES (cont.)				
S-1 S-2	General Plan and Elevation General Notes, Index of Sheets and	1.	Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts (in painted areas and ASTM A325 Type 3 in unpainted areas). Bolts ¾" dia., holes ¹³ ⁄ ₆ " dia., unless otherwise noted.	17.	Special Provision for "Cleaning and F All beams, bearings and other struct	structural steel shall be as specified in the Painting Existing Structural Steel Structures" ural steel within 10 feet (measured along the			
5-3	Total Bill of Material	2.	All structural steel shall be AASHTO M270 Gr. 36, unless otherwise noted.		- SSPC-SP10. The exterior surfaces	shall be cleaned per Near White Blast Cleanin and bottom flange of the fascia beams shall			
-3	Stage Construction Details Temporary Concrete Barrier for	3.	Calculated weight of Structural Steel = 26,280 pounds (Gr. 36)		be cleaned per Commercial Grade Pol	er Near White Blast Cleaning or Commercial			
-4	Stage Construction		= 60,840 pounds (Gr. 50)		Grade Power Tool Cleaning shall be	painted according to the requirements of pain final finish coat for the interior steel surfa			
5-5 to S-8	Top of Slab Elevations	4.	No field welding is permitted except as specified in the contract documents. The Contractor shall test the existing welds by non-destructive methods within		shall be Gray, Munsell No. 5B 7/1. Th	e color of the final finish coat for the externs ns shall be Interstate Green, Munsell No. 7.50	ior		
-9 to S-10	Top of Approach Slab Elevations	J.	2 ft of the end of the existing cover plates for cracks after removal of the	18.	u u	urface of the existing deck to identify the lo			
-11	Superstructure – Spans 1 & 2		approved testing method shall be performed by qualified personnel approved by the Engineer. If cracks are found, report them to the Bureau of Bridges		operation. Care shall be taken not to	girders prior to the commencement of deck r damage the existing girders. When girder is			
5-12 to 5-13 5-14	Superstructure Details - Spans 1 & 2 Superstructure - Span 3		and Structures for disposition. The cost of testing is included in Removal of Existing Concrete Deck. The cost of crack repair, if necessary, will be paid		damaged by deck removal operations damage at his/her own expense, as a	it is the Contractor's responsibility to repai approved by the Engineer.	r the		
5-14	Superstructure Details - Span 3	c	for according to Article 109.04 of the Standard Specifications.					DIAL	
5-16	Superstructure – Spans 4 & 5	6. -	Reinforcement bars designated (E) shall be epoxy coated.			TOTAL BILL OF		<u>RIAL</u> SUPER SUB	TOTAL
	Superstructure Details - Spans 4 & 5	1.	Prior to pouring the new concrete deck, 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		STATION 224+03.88 BUILT BY	Porous Granular Embankment	Cu. Yd.	257	257
-19 to 5-21	' Bridge Approach Slab Details		removed from the surfaces in contact with contrete. Fightly 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		STATE OF ILLINOIS	Concrete Removal Slope Wall Removal Removal of Existing Concrete Deck	Cu. Yd. Sq. Yd. Each		463
-22	Concrete Parapet Slipforming Option		covering removal of the existing concrete.		F.A.P. RT. 567 SEC. 5VB-BR LOADING HS-20	Protective Shield Floor Drains	Each Sq. Yd. Each	474 4	474
-23	Steel Framing Plan - Spans 1 & 2	8.	As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be		STRUCTURE NO. 045-0009	Concrete Structures Concrete Superstructures	Cu. Yd.		
-24	Structural Steel Details – Spans 1 & 2		ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer.		NAME PLATE See Std. 515001	Protective Coat Concrete Superstructure (Approach Slab)	Sq. Yd.	2,254	2,254
-25	Steel Framing Plan - Span 3		Any cracks that cannot be removed by grinding $lash_4$ in. deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition.		Existing Name Plate shall be cleaned and relocated next to	Furnishing and Erecting Structural Steel Stud Shear Connectors	Pound Each	<u>87,120</u> 4,524	<u>95.9</u> <u>87,120</u> 4,524
-26	Steel Framing Plan - Spans 4 & 5		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		new Name Plate. Cost included with Name Plate.	Cleaning and Painting Structural Steel, Location 1	L. Sum	1	1
-27	Structural Steel Details – Spans 4 & 5		Specifications.		שינה אטחוכ דומנכ.	Reinforcement Bars, Epoxy Coated Bar Splicers	Pound Each		
-28	Drainage System Details	9.	If the Contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as			Slope Wall 4 Inch Name Plates	Sq. Yd. Each		513
-29	Drainage Scupper, DS-33		required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior			Elastomeric Bearing Assembly, Type I Anchor Bolts, 1"	Each Each	6 26	6 26
-30	Bearing Details		beam at each of these additional bracket locations.			Controlled Low Strength Material Preformed Joint Seal 1½"	Cu. Yd. Foot		150 280
-31	West Abutment Repairs	10.	Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and	d		Preformed Joint Seal 3" Bridge Deck Grooving (Longitudinal)	Foot	93.5 1,367	93.5 1,367
-32	East Abutment Repairs Abutment Details		details affecting new construction and make necessary approved adjustments pric to construction or ordering of materials. Such variations shall not be cause for			Jack and Remove Existing Bearings Structural Steel Removal	Each		6 87,200
5-33	Abutment Details Slopewall Repair Details		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			Containment and Disposal of Lead Paint Cleaning Residues	L. Sum	1	1
	Pier Details		for the work.			Structural Repair of Concrete (Depth Equal to or Less Than 5 inches)	Sq. Ft.	2,779	
5-39	Bar Splicer Assembly and Mechanical	11.	Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $\mathscr{V}_{\!\!B}$ inch (0.01 ft.). Adjustment shall be made			Drainage Scuppers, DS-33 Drainage System	Each L. Sum		6 1
	Splicer Details		either by grinding the surface or by shimming the bearings.			Diamond Grinding (Bridge Section)	Sq. Yd.	1,606	1,606
5-40	Parapet Details at Preformed Joint Seal	12.	The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.				ACTIVITIE	S	
		13.	The concrete for bridge decks finished according to Article 503.16(a) of the Standard Specifications shall be placed and compacted parallel to the skew in uniform increments along centerline of bridge. The machine used for finishing shall be set parallel to the skew for striking off and screeding the concrete.			OR OTHER OBSTRUC PLACED WITHIN TH	ESE LIMIT		
		14.	All new fasteners shall be high strength bolts. Holes shall be subpunched or subdrilled ${}^{1}\!\gamma_{16}$ " dia. and reamed in the field ${}^{1}\!\gamma_{16}$ " dia. for ${}^{3}\!4$ " dia. bolts, unless otherwise noted. Holes shall be subpunched or subdrilled ${}^{1}\!\gamma_{16}$ " dia. and reamed in the field to ${}^{1}\!\gamma_{16}$ " dia. or ${}^{7}\!_{8}$ " dia. bolts, unless otherwise noted.				/		
		15.	Existing structural steel that will be in contact with new structural steel shall be cleaned and painted as required by the Special Provision "Cleaning and Paintin Contact Surface Areas of Existing Steel Structures".	ng			15'-0"		
		16.	All new structural steel shall be shop painted with an inorganic zinc rich primer per AASHTO M 300, Type 1.			MINIMUM CONSTRUCTION CL (NORMAL TO RAILF		<u>LENVELOPE</u>	
		D – RSD – AMS	REVISED / 2/26/19 P.R.H. REVISED - STATE OF ILLINOIS		GENERAL NOTES, INDEX	OF SHEETS AND TOTAL BILL OF MATERIAL	F.A.P. RTE.	SECTION	COUNTY TOT. SHEE
COLLINS CALLED STATE		- PRH - RSD	REVISED - REVISED - REVISED -	TION	u	NO. S-2 OF S-40 SHEETS	567	5VB-BR	COOK 73
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