					CONSTRUCTI 80% FEDERAL 20% STATE	ON CODE			
CODE NO.		ITEM	UNIT		ROADWAY 0006 RURAL				
50300300	PROTECTIVE COAT		SQ YD	2254	2254				
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	95.9	95.9				
50500405	FURNISHING AND ERECTING STR	UCTURAL STEEL	POUND	87120	87120				
50500505	STUD SHEAR CONNECTORS		EACH	4524					
50606701	CLEANING AND PAINTING STRUC	TURAL STEEL, LOCATION 1	L SUM	1	1				
50800205	0205 REINFORCEMENT BARS, EPOXY COATED			173980	173980				
50800515	BAR SPLICERS			1685	1685				
51100100	100 SLOPE WALL 4 INCH			513	513				
51500100	D NAME PLATES			1	1				
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I			6	6				
52100520	ANCHOR BOLTS, 1"			26	26				
59300100	CONTROLLED LOW-STRENGTH MATERIAL			150	150				
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18			217	217				
63000001	000001 STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS			400	400				
*= SPECIAL	TY ITEM			I					
D - ZJT - ZJT) - CEI	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPOR	TATION	SCALE.	IL 38 OVER UNION PA	ACIFIC RAILROAD DUANTITIES	F.A.P. RTE. 567	SECTION 5VB-BR	COUNTY KANE CONTRA

E NAME =	COLLINS 123 North Wacker Dri Suite 900 Chicago, II. 60606	USER NAME = aseiber PLOT SCALE = 100.0000 '/ 10.	DESIGNED - ZJT DRAWN - ZJT CHECKED - CEI	REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 38 OVER UNION PAC Summary of Qu				
		PLOT DATE = 12/6/2018	DATE -	REVISED -		SCALE:	SHEET 3 OF 7 SHEETS			

INDEX OF	SHEET				GENERAL NOTES			GENERAL NOTES (cont.)					
5-1	General	Plan and Elevation		1.	Fasteners shall be ASTM A325 Type	1, mechanically galvanized bolts (in 17	7.	Cleaning and painting of the exis	ing structural steel shall be as specified in	the			
5-2	General Total Bil	Notes, Index of Sheets and I of Material			painted areas and ASTM A325 Type holes ${}^{13}\!$	3 in unpainted areas). Bolts ¾" dia., ed.		Special Provision for "Cleaning an All beams, bearings and other str beam) of either side of deck join	nd Painting Existing Structural Steel Structur uctural steel within 10 feet (measured along ts shall be cleaned per Near White Blast Cle	es". the aning			
5-3	Stage Co	onstruction Details		2.	All structural steel shall be AASHT() M270 Gr. 36, unless otherwise noted.		- SSPC-SP10. The exterior surfa be cleaned per Commercial Grade	ces and bottom flange of the fascia beams si Power Tool Cleaning - SSPC-SP15.	nall			
5-4	Tempora Stage Co	ry Concrete Barrier for onstruction		3.	Calculated weight of Structural Stee	el = 26,280 pounds (Gr. 36) = 60,840 pounds (Gr. 50)		All designated areas to be cleane Grade Power Tool Cleaning shall	d per Near White Blast Cleaning or Commerci be painted according to the requirements of	al paint			
S-5 to S-8	Top of S	ilab Elevations		4.	No field welding is permitted except	t as specified in the contract documents.		system 1 - OZ/E/U. The color of shall be Gray, Munsell No. 5B 7/1	the final finish coat for the interior steel su The color of the final finish coat for the ex	rfaces terior			
S-9 to S-10	Top of A	pproach Slab Elevations		5.	The Contractor shall test the existing cover of the existing cover the end of the existing cover the existin	ng welds by non-destructive methods within er plates for cracks after removal of the	_	and bottom flange of the fascia k	eams shall be Interstate Green, Munsell No.	7.5G 4/8.			
S-11	Superstr	ucture – Spans 1 & 2			existing concrete deck. Dye penetra approved testing method shall be pe	ant (PT), magnetic particle (MT), or other ¹⁸ erformed by qualified personnel approved	8.	The Contractor shall mark the top and limits of the top flanges of t	b surface of the existing deck to identify the he girders prior to the commencement of dec	location k removal			
S-12 to S-13	Superstr	ucture Details - Spans 1 & 2			by the Engineer. If cracks are four and Structures for disposition. The	nd, report them to the Bureau of Bridges e cost of testing is included in Removal of		damaged by deck removal operati	t to damage the existing girders. When girde ons, it is the Contractor's responsibility to re	epair the			
5-14	Superstr	ucture – Span 3			Existing Concrete Deck. The cost o for according to Article 109.04 of t	f crack repair, if necessary, will be paid he Standard Specifications.		damage at ms/ner own expense, i	as approved by the Engineer.				
S-15	Superstr	ucture Details - Span 3		6.	Reinforcement bars designated (E) s	shall be epoxy coated.			<u>TOTAL BILL</u>)F MATER	IAL		
5-16	Superstr	ucture – Spans 4 & 5		7.	Prior to pouring the new concrete d	leck, all heavy or loose rust, loose mill			ITEM	UNIT	SUPER SU	JB TOTAL	
S-17 to S-18	Superstr	ucture Details – Spans 4 & 5			scale, and other loose or potentially removed from the surfaces in conta	v detrimental foreign material shall be oct with concrete. Tightly adhered paint may		STATION 224+03.88 BUILT BY	Porous Granular Embankment Concrete Removal	Cu. Yd. Cu. Yd.	2 <u>5</u> 15	57 <u>257</u> 5.3 <u>15.3</u>	
5-19 to 5-21	Bridge A	pproach Slab Details			remain unless otherwise noted. Rer that will not damage the steel and t	noval shall be accomplished by methods the cost will be included in the pay item		STATE OF ILLINOIS F.A.P. RT. 567 SEC. 5VB-BR	Slope Wall Removal Removal of Existing Concrete Deck	Sq. Yd. Each	1 46	53 463 1	
5-22	Concrete	Parapet Slipforming Option		0	covering removal of the existing co	ncrete.		LOADING HS-20	Protective Shield Floor Drains	Sq. Yd. Each	474	474	
5-23	Steel Fra	aming Plan - Spans 1 & 2		8.	As directed by the Engineer, existin top flange of beams and girders sh	g construction accessories weided to the all be removed. The weid areas shall be		31 RUCTURE NO. 043-0009	Concrete Structures Concrete Superstructures	Cu. Yd. Cu. Yd.	20 502.2	0.9 20.9 502.2	
5-24	Structura	al Steel Details – Spans 1 & .	2		dye penetrant testing (PT) by qualif	ied personnel approved by the Engineer		NAME PLATE See Std. 515001	Protective Coat Concrete Superstructure (Approach Si	Sq.Yd. ab) Cu.Yd.	2,254 95.9	2,254 95.9	
5-25	Steel Fra	aming Plan - Span 3			Any cracks that cannot be removed and reported to the Bureau of Brid	ges and Structures for further disposition.		Existing Name Plate shall be cleaned and relocated next to	Furnishing and Erecting Structural St Stud Shear Connectors	eel Pound Each	<u>87,120</u> 4,524	<u> </u>	
5-26	Steel Fra	aming Plan - Spans 4 & 5			The cost of removing welded access grinding cracks will be paid for acc	essories, grinding and inspecting weld areas and according to Article 109.04 of the Standard		new Name Plate. Cost included with Name Plate.	Cleaning and Painting Structural Stee Location 1	^I , L. Sum	1	1	
5-27	Structura	al Steel Details – Spans 4 & .	5	0	Specifications.				Reinforcement Bars, Epoxy Coated Bar Splicers	Pound . Each	168,630 5,3 1455 23	350 173,980 30 1,685	
5-28	Drainage	e System Details		9.	beams or girders, the brackets shall	e cantilever forming brackets on the exterior s shall be placed at the same locations as icks in Article 503.06(b) of the Standard rantilever forming brackets are required, drad between the exterior and first interior			Slope Wall 4 Inch Name Plates	Sq. Yd. Each	51	13 513	
5-29	Drainage	e Scupper, DS-33			Specifications. If additional cantile				Elastomeric Bearing Assembly, Type I Anchor Bolts, 1"	Each Each	6 26	6 26	
5-30	Bearing	Details			beam at each of these additional br	acket locations.			Controlled Low Strength Material Preformed Joint Seal 1½"	Cu. Yd. Foot	280	50 150 280	
5-31	West Abu	itment Repairs		10.	Plan dimensions and details relative construction variations. The Contra	e to existing plans are subject to nominal characteristics and			Preformed Joint Seal 3" Bridge Deck Grooving (Longitudinal)	Foot Sa. Yd.	93.5 1.367	93.5 1.367	
5-32	East Abu	itment Repairs			details affecting new construction a to construction or ordering of mate	rials Such variations shall not be cause for			Jack and Remove Existing Bearings Structural Steel Removal	Each Pound	6 87.200	6 87.200	
5-33	Abutment	: Details			additional compensation for a chang Contractor will be paid for the quar	ie in scope of the work, however, the htity actually furnished at the unit price bid			Containment and Disposal of Lead Pa. Cleaning Residues	nt L. Sum	1	1	
5-34	Siopewai	n Repair Decans			for the work.				Structural Repair of Concrete (Depth Equal to or Less Than 5 inches)	Sq. Ft.	2,7	79 2,779	
5-30	Bar Soli	ans		11.	Bearing seat surfaces shall be consequences between $\frac{1}{2}$ elevations within a tolerance of $\frac{1}{2}$ i	structed or adjusted to the designated inch (0.01 ft.). Adjustment shall be made			Drainage Scuppers, DS-33 Drainage System	Each L. Sum	6 1	6	
5-59	Splicer L	Details			either by grinding the surface or by	by shimming the bearings.			Diamond Grinding (Bridge Section)	Sq. Yd.	1,606	1,606	
5-40	Parapet Seal	Details at Preformed Joint		12.	The existing structural steel coating appropriate precautions to deal with	g contains lead. The Contractor shall take h the presence of lead on this project.			- NO CONSTRUCT	ION ACTIVITIES			
				13.	The concrete for bridge decks finis. Standard Specifications shall be pla uniform increments along centerline shall be set parallel to the skew fo	hed according to Article 503.16(a) of the aced and compacted parallel to the skew in of bridge. The machine used for finishing r striking off and screeding the concrete.			UR UTHER OBS PLACED WITHI	THESE LIMITS	DE		
				14.	All new fasteners shall be high stress ubdrilled ${}^1\mathcal{Y}_{16}$ " dia. and reamed in tunless otherwise noted. Holes shall reamed in the field to ${}^{15}\!\!Y_{16}$ " dia. or 2	ength bolts. Holes shall be subpunched or he field ${}^{13}_{16}$ " dia. for ${}^{3}_{4}$ " dia. bolts, be subpunched or subdrilled ${}^{13}_{16}$ " dia. and ${}^{7}_{6}$ " dia. bolts, unless otherwise noted.				OF TRACK			
				15.	Existing structural steel that will b be cleaned and painted as required Contact Surface Areas of Existing S	e in contact with new structural steel shall by the Special Provision "Cleaning and Painting Steel Structures".				15'-0"	<i></i>		
				16.	All new structural steel shall be sh per AASHTO M 300, Type 1.	op painted with an inorganic zinc rich primer			MINIMUM CONSTRUCTION	CLEARANCE AILROAD)	ENVELOPE		
		USER NAME =	DESIGNED -	RSD	REVISED // 2/26/19 P.R.H.			GENERAL NOTES IND	EX OF SHEETS AND TOTAL RUL OF MATERIAL	F.A.P.	SECTION	COUNTY	TOTAL SHEET
COLLINS ENGINEERS2	N. Tocker Dr. Tre 900 Tocgon II. 60606 e. (312) 704-9300 < 31321 704-9320 	PLOT SCALE =	CHECKED -	AMS PRH	REVISED -	STATE OF ILLINOIS	0.14		STRUCTURE NO. 045-0009	567	5VB-BR	СООК	73 28
ILLINOIS PROFESSIONAL DESIGN FIRM LIC	ICENSE NO. 184-200993	PLOT DATE = 2/26/2019	CHECKED -	RSD	REVISED -		UN	S	HEET NO. S-2 OF S-40 SHEETS		ILL INOIS F	ED. AID PROJECT	JI NU. 62C14
												Λ Rev	/. 2/27/19

TOTAL	BILL	0F	MAT	ERIAL





Λ	REV.	2/2	7/19