

Estimated Quantities ROS-50-2866

Multi span bridge

ESTIMATED QUANTITIES								
ITEM	EXT.	QUANTITY	UNIT	DESCRIPTION	ABUT.	SUPER.	GEN.	SHEET NO.
202	11203	LUMP	LS	PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN			LUMP	2
202	23500	32	SY	WEARING COURSE REMOVED		32		
509	10000	1,068	POUND	EPOXY COATED REINFORCING STEEL	432	636		
510	10001	108	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT, AS PER PLAN	72	36		2
511	34410	17	CY	CLASS QC2 CONCRETE, SUPERSTRUCTURE	6	11		
513	10201	1,823	POUND	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN		1,823		2
514	00056	420	SF	FIELD PAINTING OF STRUCTURAL STEEL, PRIME COAT		420		
514	00060	420	SF	FIELD PAINTING OF STRUCTURAL STEEL, INTERMEDIATE COAT		420		
514	00066	420	SF	FIELD PAINTING OF STRUCTURAL STEEL, FINISH COAT		420		
514	00504	42	MNHR	GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL		42		
514	20001	801	SF	FIELD PAINTING OF DAMAGED STRUCTURAL STEEL, AS PER PLAN (THREE COAT)		801		3
516	11211	85	FT	STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL, AS PER PLAN	85			2
516	13600	12	SF	1" PREFORMED EXPANSION JOINT FILLER		12		
516	31010	75	FT	2" DEEP JOINT SEALER	75			
516	45305	8	EACH	REFURBISH BEARING DEVICES, AS PER PLAN	8			2
516	47001	LUMP	LS	JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	LUMP			2

length 253.68
width 33.99
width along skew 37.39

202	11203	LUMP		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN
202	23500	32	SY	WEARING COURSE REMOVED
		140.22	SF	CAD AREA
		2	EACH	
		280.44	SF	
		32.00	SY	
509	10000	1068	POUND	EPOXY COATED REINFORCING STEEL
		432	lb	abutment rebar
		636	lb	parapet rebar

		1068.00	lb	
511	34,410	17	CY	CLASS QC2 CONCRETE, SUPERSTRUCTURE
RA	superstructure:	37.39	FT	WIDTH OF DECK ALONG SKEW
	deck:	2.00	FT	PROPOSED DECK CONSTRUCTION WIDTH
		1.000	FT	DEPTH OF PROPOSED CONSTRUCTION
		74.78	CF	RA SUPER STRUCTURE
	parapet along deck:	4.823	SF	Cad area
		7.19	ft	avg length
		34.68	cf	Parapet Superstructure
	parapet along A.S.	5.08	sf	cad area
		5.66	ft	avg length
		28.75	cf	Parapet Superstructure
	abutment:	37.39	FT	LENGTH OF backwall
		1.25	FT	WIDTH AT backwall
		1.670	FT	avg DEPTH OF PROPOSED CONSTRUCTION
		78.05	CF	TOTAL RA ABUTMENT
FA	superstructure:	37.39	FT	WIDTH OF DECK ALONG SKEW
	deck:	2.00	FT	PROPOSED DECK CONSTRUCTION WIDTH
		1.000	FT	DEPTH OF PROPOSED CONSTRUCTION
		74.78	CF	FA SUPER STRUCTURE
	parapet along deck:	4.823	SF	Cad area
		7.19	ft	avg length
		34.68	cf	Parapet Superstructure
	parapet along A.S.	5.08	sf	cad area
		5.66	ft	avg length

		28.75	cf	Parapet Superstructure
abutment:		37.39	FT	LENGTH OF backwall
		1.25	FT	WIDTH AT backwall
		1.670	FT	avg DEPTH OF PROPOSED CONSTRUCTION
		78.05	CF	TOTAL FA ABUTMENT
		11	CY	TOTAL SUPERSTRUCTURE
		6	CY	TOTAL ABUTMENT
		17	cy	total
516	45305	8	EACH	REFURBISH BEARING DEVICES, AS PER PLAN
	ABUTMENTS	8	EACH	
516	31010	75	FT	2" DEEP JOINT SEALER
	RA	37.39	FT	
	FA	37.39	FT	
		75	FT	TOTAL
514	00056	420	SF	FIELD PAINTING OF STRUCTURAL STEEL, PRIME COAT
		1.33	FT	PERIMETER OF L 4*4*3/8
		24.51	FT	TOTAL LENGTH OF ALL ANGLE SECTIONS
		37	SF	AREA OF GUSSET PLATES IN ONE BAY
		6	EACH	NO. OF BAY (RA+FA)
		420	SF	TOTAL AREA FOR GUSSET PLATES AND ANGLE SECTIONS
		420	SF	TOTAL AREA
514	00060	420	SF	FIELD PAINTING OF STRUCTURAL STEEL, INTERMEDIATE COAT
514	00066	420	SF	FIELD PAINTING OF STRUCTURAL STEEL, FINISH COAT

516	47001	LUMP	LS	JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN
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441	50000	#REF!	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448 ACCEPTANCE), PG-64-22
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514	20001	801	SF	FIELD PAINTING OF DAMAGED STRUCTURAL STEEL, AS PER PLAN (THREE COAT)
		8.89	FT	PERIMETER OF EX. BEAM MINUS TOP SURFACE OF TOP FLANGE
		10.00	FT	10 FT TO BE PAINTED FROM THE END
		88.92	SF	TOTAL AREA FOR 1 BEAM
		8.00	EACH	NO. OF BEAMS RA+FA
		801.00	SF	TOTAL AREA

510	10001	108.00	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT, AS PER PLAN
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abutment:

RA	a601 bars	36.00		
FA	a601 bars	36.00		
		72.00	TOTAL	abutment

super:

r503	20.00		
r508	8.00		
r509	8.00		
	36.00	total	super
	108.00	total	

516	11211	85	FT	STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL, AS PER PLAN
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85	FT	WIDTH ALONG SKEW RA+FA
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513	10201	1823	POUND	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN
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24.51	FT	TOTAL LENGTH OF ALL ANGLE SECTION L4*4*3/8 PER BAY
9.8	LB/FT	WEIGHT PER FT OF LENGTH
224.00	CU. IN	TOTAL VOLUME OF GUSSET PLATES PER BAY
0.284	LB/CU. IN.	LB/CY FOR GUSSET PLATES
304	LB	TOTAL WEIGHT PER BAY

		6	EACH	NO OF BAY (FA+RA)
		1823	LB	TOTAL WEIGHT
516	13600	12	SF	1" PREFORMED EXPANSION JOINT FILLER
		5.986	FT	LENGTH
		1.00	FT	DEPTH
		2.00	EACH	
		12.00	SF	