## GENERAL NOTES

- Fasteners shall be high strength bolts. Bolts % Ø, open holes % Ø, unless otherwise noted.
- 2. Calculated weight of structural steel: Grade 50 = 473,275 lbs. Grade 36 = 31,438 lbs.
- 3. Field welding of construction accessories will not be permitted to beams or girders.
- 4. Anchor bolts shall be set before bolting diaphragms over supports.
- 5. The main load carrying member components subject to tensile stress shall conform to the Supplemental Requirements for Notch Toughness Zone 2. These components are the plate girder flanges and web and all splice plate material except fill plates.
- 6. Reinforcement bars shall conform to the requirements of AASHTO M31 or M322 Grade 60.
- 7. The contractor shall drive (1) HP 12x53 test pile at a permanent location at each abutment and at the pier (total 3) as directed by the Engineer before ordering the remainder of piles.
- 8. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 inch. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two  $\frac{1}{6}$ " adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims.
- 9. Slope wall shall be reinforced with welded wire fabric, 6"x6" - W4.0xW4.0, weighing 58 lbs. per 100 sq. ft.
- 10. The inorganic zinc rich primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat for all interior steel surfaces shall be gray, Munsell No. 587/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be reddish brown, Munsell No. 2.5YR3/4. See Special Provision for "Cleaning and Painting New Metal Structures". Shop coat has been applied under a separate contract. Contractor of this contract (62829) is responsible for repair of field damage to the shop coat. Field coat will be applied under a separate contract.
- 11. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
- 12. All construction joints shall be bonded.





STATE OF ILLINOIS RTMENT OF TRANSPORTATION				CONTRACT 62829	FAL ATE HX         ИСТТОН         СОИЛТУ         ТОТИС ВНЕЕТ         SHEET         SHEET         SHEET         NO.         SA-2           305         2004-088B         COOK         145         55         OF SHEETS SA-30
IMENT OF INANSFORTATION					TEL. ROAD DEST. HD. I BLINKIS PED. ALD PROADUT-
	Bonded Construction Approach Pavement—	n Joint-		a da caso a	
				-Bc er	ackfill with uncompacted porous granular mbankment with a gradation of CA-5 or CA-7
Geotechnical fabric for french drains.*		10"	36" Web Pl Girder	late pl	r Bridge Contractor after superstructure is in ace. Limits shall be 1'-0" from the end f each wingwall.
Excavation for placing—2 Porous Granular					
Embankment is paid for as "Structure Excavation".		ig 3'-0"			
				fill	ovide additional embankment with suitable I material paid for as "Earth Excavation" and
A 6" Ø perforated drain pipe at the bottom of an approxi	shall be situated imate 2'x2' area	<u>1'-3''</u>	1'-3"	~<_]	cluded with the roadway pay items.
at the bottom of an approxi of porous granular embankme area shall be wrapped comple geotechnical fabric for fren	ent. The 2'x2' BK of the second secon	f Abut.	_	-Steel H Piles	INDEX OF SHEETS
georecnnical rabric for fren Extend pipe parallel with cap Intersecting with sideslopes.	until				1. General Plan & Elevation
drain onto concrete headwall of the Std. Specifications ar	ls (Article 601.05				2. Index of Sheets And General Notes
		INTEODA		NACNIT	3. Stage Construction
L'S @ E. Abutment	SECTION THRU				4. Substructure Layout 5. Top of Slab Elevations I
. L'S @ W. Abutment	*Included in the cost	of "Porous Gra	nular Embankı	ient".	6. Top of Slab Elevations II
					7. Top of Slab Elevations III
or or					8. Superstructure (Deck) I
					9. Superstructure (Deck) II
					9. Superstructure (Deck) II 10. Superstructure Details (Barrier)
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					10. Superstructure Details (Barrier) 11. Framing Plan
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TOTAL	BILL OF MAT	<u>erials</u>			<ol> <li>Superstructure Details (Barrier)</li> <li>Framing Plan</li> <li>Structural Steel - Girder Elevation</li> <li>Bearing Details</li> <li>West Abutment</li> <li>West Abutment Details</li> <li>East Abutment</li> </ol>
					<ol> <li>Superstructure Details (Barrier)</li> <li>Framing Plan</li> <li>Structural Steel - Girder Elevation</li> <li>Bearing Details</li> <li>West Abutment</li> <li>West Abutment Details</li> <li>East Abutment</li> <li>East Abutment Details</li> <li>Beat Abutment Details</li> </ol>
TOTAL ITEM	BILL OF MAT	T <u>ERIALS</u> SUPER	SUB	TOTAL	<ol> <li>Superstructure Details (Barrier)</li> <li>Framing Plan</li> <li>Structural Steel - Girder Elevation</li> <li>Bearing Details</li> <li>West Abutment</li> <li>West Abutment Details</li> <li>East Abutment</li> <li>East Abutment Details</li> <li>Beat Abutment Details</li> </ol>
ITEM			SUB	TOTAL	<ol> <li>Superstructure Details (Barrier)</li> <li>Framing Plan</li> <li>Structural Steel - Girder Elevation</li> <li>Bearing Details</li> <li>West Abutment</li> <li>West Abutment Details</li> <li>East Abutment</li> <li>East Abutment Details</li> <li>West &amp; East Abutment</li> <li>West &amp; East Abutment</li> </ol>
ITEM emoval of Existing Structures	UNIT	SUPER	SUB 270		<ol> <li>Superstructure Details (Barrier)</li> <li>Framing Plan</li> <li>Structural Steel - Girder Elevation</li> <li>Bearing Details</li> <li>West Abutment</li> <li>West Abutment Details</li> <li>East Abutment</li> <li>East Abutment Details</li> <li>West &amp; East Abutment</li> <li>Buest &amp; East Abutment</li> <li>Diaphragm Details</li> </ol>
ITEM emoval of Existing Structures tructure Excavation	UNIT Each	SUPER		1	<ol> <li>Superstructure Details (Barrier)</li> <li>Framing Plan</li> <li>Structural Steel - Girder Elevation</li> <li>Bearing Details</li> <li>West Abutment</li> <li>West Abutment Details</li> <li>East Abutment</li> <li>East Abutment Details</li> <li>West &amp; East Abutment</li> <li>Buest &amp; East Abutment</li> <li>Diaphragm Details</li> <li>Pier</li> </ol>
ITEM emoval of Existing Structures tructure Excavation poncrete Structures	UNIT Each Cu. Yd.	SUPER	270	1 270	<ol> <li>Superstructure Details (Barrier)</li> <li>Framing Plan</li> <li>Structural Steel - Girder Elevation</li> <li>Bearing Details</li> <li>West Abutment</li> <li>West Abutment Details</li> <li>East Abutment</li> <li>East Abutment Details</li> <li>West &amp; East Abutment</li> <li>Bayers &amp; East Abutment</li> <li>Diaphragm Details</li> <li>Pier</li> <li>Pier Details</li> </ol>
ITEM amoval of Existing Structures tructure Excavation poncrete Structures poncrete Superstructure cotective Coat	UNIT Each Cu. Yd. Cu. Yd.	SUPER 1 544 2,230	270	1 270 263 544 2,230	<ol> <li>Superstructure Details (Barrier)</li> <li>Framing Plan</li> <li>Structural Steel - Girder Elevation</li> <li>Bearing Details</li> <li>West Abutment</li> <li>West Abutment Details</li> <li>East Abutment</li> <li>East Abutment Details</li> <li>West &amp; East Abutment</li> <li>Baphragm Details</li> <li>Pier</li> <li>Pier Details</li> <li>Temporary Barrier</li> </ol>
ITEM emoval of Existing Structures tructure Excavation poncrete Structures poncrete Superstructure rotective Coat recting Structural Steel	UNIT Each Cu. Yd. Cu. Yd. Cu. Yd. Sq. Yd. L. Sum	SUPER 1 544 2,230 0,7	270	1 270 263 544 2,230 0.7	<ol> <li>Superstructure Details (Barrier)</li> <li>Framing Plan</li> <li>Structural Steel - Girder Elevation</li> <li>Bearing Details</li> <li>West Abutment</li> <li>West Abutment Details</li> <li>East Abutment</li> <li>East Abutment Details</li> <li>West &amp; East Abutment</li> <li>Diaphragm Details</li> <li>Pier</li> <li>Pier Details</li> <li>Temporary Barrier</li> <li>Drainage Details</li> </ol>
ITEM emoval of Existing Structures tructure Excavation oncrete Structures oncrete Superstructure rotective Coat recting Structural Steel tud Shear Connectors	UNIT Each Cu. Yd. Cu. Yd. Cu. Yd. Sq. Yd. L. Sum Each	SUPER 1 544 2,230 0.7 8,064	270 263	1 270 263 544 2,230 0.7 8,064	<ol> <li>Superstructure Details (Barrier)</li> <li>Framing Plan</li> <li>Structural Steel - Girder Elevation</li> <li>Bearing Details</li> <li>West Abutment</li> <li>West Abutment Details</li> <li>East Abutment</li> <li>East Abutment Details</li> <li>West &amp; East Abutment</li> <li>Diaphragm Details</li> <li>Pier</li> <li>Pier Details</li> <li>Temporary Barrier</li> <li>Drainage Details</li> <li>Anchor Bolt Details</li> </ol>
ITEM emoval of Existing Structures tructure Excavation oncrete Structures oncrete Superstructure rotective Coat recting Structural Steel tud Shear Connectors einforcement Bars, Epoxy Coated	UNIT Each Cu. Yd. Cu. Yd. Cu. Yd. Sq. Yd. L. Sum Each Pound	SUPER 1 544 2,230 0.7 8,064 120,790	270 263 37,340	1 270 263 544 2,230 0.7 8,064 158,130	<ol> <li>Superstructure Details (Barrier)</li> <li>Framing Plan</li> <li>Structural Steel - Girder Elevation</li> <li>Bearing Details</li> <li>West Abutment</li> <li>West Abutment Details</li> <li>East Abutment Details</li> <li>East Abutment Details</li> <li>West &amp; East Abutment</li> <li>Diaphragm Details</li> <li>Pier</li> <li>Pier Details</li> <li>Temporary Barrier</li> <li>Drainage Details</li> <li>Anchor Bolt Details</li> <li>Bar Splicer Details</li> <li>Boring Logs II</li> </ol>
ITEM emoval of Existing Structures tructure Excavation oncrete Structures oncrete Superstructure rotective Coat recting Structural Steel tud Shear Connectors einforcement Bars, Epoxy Coated ar Splicers	UNIT Each Cu. Yd. Cu. Yd. Cu. Yd. Cu. Yd. Sq. Yd. L. Sum Each Pound Each	SUPER 1 544 2,230 0.7 8,064	270 263 37,340 68	1 270 263 544 2,230 0.7 8,064 158,130 1309	<ol> <li>Superstructure Details (Barrier)</li> <li>Framing Plan</li> <li>Structural Steel - Girder Elevation</li> <li>Bearing Details</li> <li>West Abutment</li> <li>West Abutment Details</li> <li>East Abutment Details</li> <li>East Abutment Details</li> <li>West &amp; East Abutment</li> <li>Diaphragm Details</li> <li>Pier</li> <li>Pier Details</li> <li>Temporary Barrier</li> <li>Drainage Details</li> <li>Anchor Bolt Details</li> <li>Boring Logs II</li> <li>Boring Logs III</li> </ol>
ITEM emoval of Existing Structures tructure Excavation oncrete Structures oncrete Superstructure rotective Coat recting Structural Steel tud Shear Connectors einforcement Bars, Epoxy Coated ar Splicers urnishing Steel Piles HP 12x53	UNIT Each Cu. Yd. Cu. Yd. Cu. Yd. Cu. Yd. Sq. Yd. L. Sum Each Pound Each Foot	SUPER 1 544 2,230 0.7 8,064 120,790	270 263 37,340 68 3,544	1 270 263 544 2,230 0,7 8,064 158,130 1309 3,544	<ol> <li>Superstructure Details (Barrier)</li> <li>Framing Plan</li> <li>Structural Steel - Girder Elevation</li> <li>Bearing Details</li> <li>West Abutment</li> <li>West Abutment Details</li> <li>East Abutment Details</li> <li>East Abutment Details</li> <li>Bears &amp; East Abutment</li> <li>Diaphragm Details</li> <li>Pier</li> <li>Pier Details</li> <li>Temporary Barrier</li> <li>Drainage Details</li> <li>Anchor Bolt Details</li> <li>Boring Logs II</li> <li>Boring Logs IV</li> </ol>
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ITEM amoval of Existing Structures tructure Excavation oncrete Structures oncrete Superstructure rotective Coat recting Structural Steel tud Shear Connectors einforcement Bars, Epoxy Coated ar Splicers urnishing Steel Piles HP 12x53 riving Steel Piles est Pile Steel HP 12x53 emporary Sheet Piling	UNIT Each Cu. Yd. Cu. Yd. Cu. Yd. Sq. Yd. L. Sum Each Pound Each Foot Foot Each Sq. Ft.	SUPER 1 544 2,230 0.7 8,064 120,790 1241	270 263 37,340 68 3,544 3,544	1 270 263 544 2,230 0,7 8,064 158,130 1309 3,544 3,544 3 1,100	<ol> <li>Superstructure Details (Barrier)</li> <li>Framing Plan</li> <li>Structural Steel - Girder Elevation</li> <li>Bearing Details</li> <li>West Abutment</li> <li>West Abutment Details</li> <li>East Abutment Details</li> <li>East Abutment Details</li> <li>Bears &amp; East Abutment</li> <li>Diaphragm Details</li> <li>Pier</li> <li>Pier Details</li> <li>Temporary Barrier</li> <li>Drainage Details</li> <li>Anchor Bolt Details</li> <li>Boring Logs II</li> <li>Boring Logs IV</li> <li>Borling Logs V</li> </ol>
ITEM amoval of Existing Structures tructure Excavation poncrete Structures poncrete Superstructure rotective Coat recting Structural Steel tud Shear Connectors einforcement Bars, Epoxy Coated ar Splicers urnishing Steel Piles HP 12x53 riving Steel Piles est Pile Steel HP 12x53 enporary Sheet Piling rotective Shield	UNIT Each Cu. Yd. Cu. Yd. Cu. Yd. Sq. Yd. L. Sum Each Pound Each Foot Foot Each Sq. Ft. Sq. Yd.	SUPER 1 544 2,230 0,7 8,064 120,790 1241 851	270 263 37,340 68 3,544 3,544 3	1 270 263 544 2,230 0,7 8,064 158,130 1309 3,544 3,544 3 1,100 851	<ol> <li>Superstructure Details (Barrier)</li> <li>Framing Plan</li> <li>Structural Steel - Girder Elevation</li> <li>Bearing Details</li> <li>West Abutment</li> <li>West Abutment Details</li> <li>East Abutment Details</li> <li>East Abutment Details</li> <li>Bears &amp; East Abutment</li> <li>Diaphragm Details</li> <li>Pier</li> <li>Pier Details</li> <li>Temporary Barrier</li> <li>Drainage Details</li> <li>Anchor Bolt Details</li> <li>Boring Logs II</li> <li>Boring Logs IV</li> <li>Borling Logs V</li> </ol>
ITEM amoval of Existing Structures tructure Excavation poncrete Structures poncrete Superstructure rotective Coat recting Structural Steel tud Shear Connectors ainforcement Bars, Epoxy Coated ar Splicers urnishing Steel Piles HP 12x53 riving Steel Piles est Pile Steel HP 12x53 amporary Sheet Piling rotective Shield ame Plates	UNIT Each Cu. Yd. Cu. Yd. Cu. Yd. Sq. Yd. L. Sum Each Pound Each Foot Foot Each Sq. Ft. Sq. Yd. Each	SUPER 1 544 2,230 0.7 8,064 120,790 1241	270 263 37,340 68 3,544 3,544 3 1,100	1 270 263 544 2,230 0,7 8,064 158,130 1309 3,544 3,544 3 1,100 851 1	<ol> <li>Superstructure Details (Barrier)</li> <li>Framing Plan</li> <li>Structural Steel - Girder Elevation</li> <li>Bearing Details</li> <li>West Abutment</li> <li>West Abutment Details</li> <li>East Abutment Details</li> <li>East Abutment Details</li> <li>Bears &amp; East Abutment</li> <li>Diaphragm Details</li> <li>Pier</li> <li>Pier Details</li> <li>Temporary Barrier</li> <li>Drainage Details</li> <li>Anchor Bolt Details</li> <li>Boring Logs II</li> <li>Boring Logs IV</li> <li>Borling Logs V</li> </ol>
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ITEM emoval of Existing Structures tructure Excavation poncrete Structures poncrete Superstructure rotective Coat recting Structural Steel tud Shear Connectors einforcement Bars, Epoxy Coated ar Splicers urnishing Steel Piles HP 12x53 -riving Steel Piles east Pile Steel HP 12x53 emporary Sheet Piling rotective Shield ame Plates -ridge Seat Sealer prous Granular Embankment	UNIT Each Cu. Yd. Cu. Yd. Cu. Yd. Sq. Yd. L. Sum Each Pound Each Foot Foot Each Sq. Ft. Sq. Yd. Each Sq. Ft.	SUPER 1 544 2,230 0,7 8,064 120,790 1241 851	270 263 37,340 68 3,544 3,544 3 1,100	1 270 263 544 2,230 0,7 8,064 158,130 1309 3,544 3,544 3 1,100 851 1	<ol> <li>Superstructure Details (Barrier)</li> <li>Framing Plan</li> <li>Structural Steel - Girder Elevation</li> <li>Bearing Details</li> <li>West Abutment</li> <li>West Abutment Details</li> <li>East Abutment Details</li> <li>East Abutment Details</li> <li>West &amp; East Abutment</li> <li>Diaphragm Details</li> <li>Pier</li> <li>Pier Details</li> <li>Temporary Barrier</li> <li>Drainage Details</li> <li>Bar Splicer Details</li> <li>Boring Logs II</li> <li>Boring Logs VI</li> <li>Boring Logs VI</li> <li>INDEX OF SHEETS AND GENERAL NOTES WILLOW ROAD OVER</li> </ol>
ITEM emoval of Existing Structures tructure Excavation oncrete Structures oncrete Superstructure rotective Coat recting Structural Steel tud Shear Connectors einforcement Bars, Epoxy Coated ar Splicers urnishing Steel Piles HP 12x53 -riving Steel Piles HP 12x53 est Pile Steel HP 12x53 emporary Sheet Piling rotective Shield ame Plates -Idge Seat Sealer prous Granular Embankment -ainage Scuppers, DS-33	UNIT Each Cu. Yd. Cu. Yd. Cu. Yd. Cu. Yd. Sq. Yd. L. Sum Each Pound Each Foot Each Sq. Ft. Sq. Yd. Each Sq. Ft. Sq. Yd. Each Sq. Ft. Cu. Yd.	SUPER 1 544 2,230 0,7 8,064 120,790 1241 851 1	270 263 37,340 68 3,544 3,544 3 1,100 222	1 270 263 544 2,230 0,7 8,064 158,130 1309 3,544 3,544 3,544 3 1,100 851 1 222 451	<ol> <li>Superstructure Details (Barrier)</li> <li>Framing Plan</li> <li>Structural Steel - Girder Elevation</li> <li>Bearing Details</li> <li>West Abutment</li> <li>West Abutment Details</li> <li>East Abutment Details</li> <li>East Abutment Details</li> <li>West &amp; East Abutment</li> <li>Diaphragm Details</li> <li>Pier</li> <li>Pier Details</li> <li>Tomporary Barrier</li> <li>Drainage Details</li> <li>Boring Logs II</li> <li>Boring Logs IV</li> <li>Boring Logs V</li> <li>Boring Logs V</li> <li>Boring Logs VI</li> </ol> INDEX OF SHEETS AND GENERAL NOTES WILLOW ROAD OVER MILWAUKEE AVENUE
ITEM emoval of Existing Structures tructure Excavation oncrete Structures oncrete Superstructure rotective Coat recting Structural Steel tud Shear Connectors einforcement Bars, Epoxy Coated ar Splicers urnishing Steel Piles HP 12x53 riving Steel Piles HP 12x53 emporary Sheet Piling rotective Shield ame Plates ridge Seat Sealer orous Granular Embankment ralnage Scuppers, DS-33 ridge Deck Grooving	UNIT Each Cu. Yd. Cu. Yd. Cu. Yd. Cu. Yd. Sq. Yd. L. Sum Each Pound Each Foot Each Soot Sq. Ft. Sq. Yd. Each Sq. Ft. Cu. Yd. Each	SUPER 1 544 2,230 0,7 8,064 120,790 1241 851 1 4	270 263 37,340 68 3,544 3,544 3 1,100 222	1 270 263 544 2,230 0,7 8,064 158,130 1309 3,544 3,544 3,544 3 1,100 851 1 222 451 4	<ol> <li>Superstructure Details (Barrier)</li> <li>Framing Plan</li> <li>Structural Steel - Girder Elevation</li> <li>Bearing Details</li> <li>West Abutment</li> <li>West Abutment Details</li> <li>East Abutment Details</li> <li>East Abutment Details</li> <li>West &amp; East Abutment</li> <li>Diaphragm Details</li> <li>Pier</li> <li>Pier Details</li> <li>Temporary Barrier</li> <li>Drainage Details</li> <li>Boring Logs II</li> <li>Boring Logs VI</li> <li>INDEX OF SHEETS AND GENERAL NOTES WILLOW ROAD OVER MILWAUKEE AVENUE (IL RTE, 21/U.S. 45)</li> </ol>
	UNIT Each Cu. Yd. Cu. Yd. Cu. Yd. Cu. Yd. Sq. Yd. L. Sum Each Pound Each Foot Each Sq. Ft. Sq. Yd. Each Sq. Ft. Cu. Yd. Each Sq. Yd.	SUPER 1 544 2,230 0,7 8,064 120,790 1241 851 1 4	270 263 37,340 68 3,544 3,544 3 1,100 222 451	1 270 263 544 2,230 0,7 8,064 158,130 1309 3,544 3,544 3,544 3 1,100 851 1 222 451 4 1,820	<ol> <li>Superstructure Details (Barrier)</li> <li>Framing Plan</li> <li>Structural Steel - Girder Elevation</li> <li>Bearing Details</li> <li>West Abutment</li> <li>West Abutment Details</li> <li>East Abutment Details</li> <li>East Abutment Details</li> <li>West &amp; East Abutment</li> <li>Diaphragm Details</li> <li>Pier</li> <li>Pier Details</li> <li>Temporary Barrier</li> <li>Drainage Details</li> <li>Bar Splicer Details</li> <li>Boring Logs II</li> <li>Boring Logs IV</li> <li>Boring Logs VI</li> </ol>
ITEM emoval of Existing Structures tructure Excavation concrete Structures concrete Structures rotective Coat recting Structural Steel tud Shear Connectors einforcement Bars, Epoxy Coated ar Splicers urnishing Steel Piles HP 12x53 riving Steel Piles HP 12x53 emporary Sheet Piling rotective Shield lame Plates ridge Seat Sealer orous Granular Embankment ralnage Scuppers, DS-33 ridge Deck Grooving lope Wall, 4 Inch	UNIT Each Cu. Yd. Cu. Yd. Cu. Yd. Cu. Yd. Sq. Yd. L. Sum Each Pound Each Foot Each Sq. Ft. Sq. Yd. Each Sq. Ft. Cu. Yd. Each Sq. Yd. Sq. Yd.	SUPER 1 544 2,230 0,7 8,064 120,790 1241 851 1 4	270 263 37,340 68 3,544 3,544 3 1,100 222 451 720	1 270 263 544 2,230 0,7 8,064 158,130 1309 3,544 3,544 3,544 3 1,100 851 1 222 451 4 1,820 720	<ol> <li>Superstructure Details (Barrier)</li> <li>Framing Plan</li> <li>Structural Steel - Girder Elevation</li> <li>Bearing Details</li> <li>West Abutment</li> <li>West Abutment Details</li> <li>East Abutment Details</li> <li>East Abutment Details</li> <li>West &amp; East Abutment</li> <li>Diaphragm Details</li> <li>Pier</li> <li>Pier Details</li> <li>Anchor Bolt Details</li> <li>Boring Logs II</li> <li>Boring Logs IV</li> <li>Boring Logs VI</li> </ol>
ITEM emoval of Existing Structures tructure Excavation oncrete Structures oncrete Superstructure rotective Coat recting Structural Steel tud Shear Connectors einforcement Bars, Epoxy Coated ar Splicers urnishing Steel Piles HP 12x53 riving Steel Piles HP 12x53 emporary Sheet Piling rotective Shield ame Plates ridge Seat Sealer orous Granular Embankment ralnage Scuppers, DS-33 ridge Deck Grooving lope Wall, 4 Inch	UNIT Each Cu. Yd. Cu. Yd. Cu. Yd. Cu. Yd. Sq. Yd. L. Sum Each Pound Each Foot Each Sq. Ft. Sq. Yd. Each Sq. Ft. Cu. Yd. Each Sq. Yd. Sq. Yd.	SUPER 1 544 2,230 0,7 8,064 120,790 1241 851 1 4	270 263 37,340 68 3,544 3,544 3 1,100 222 451 720	1 270 263 544 2,230 0,7 8,064 158,130 1309 3,544 3,544 3,544 3 1,100 851 1 222 451 4 1,820 720	<ol> <li>Superstructure Details (Barrier)</li> <li>Framing Plan</li> <li>Structural Steel - Girder Elevation</li> <li>Bearing Details</li> <li>West Abutment</li> <li>West Abutment Details</li> <li>East Abutment Details</li> <li>East Abutment Details</li> <li>West &amp; East Abutment</li> <li>Diaphragm Details</li> <li>Pier</li> <li>Pier Details</li> <li>Temporary Barrier</li> <li>Drainage Details</li> <li>Boring Logs II</li> <li>Boring Logs VI</li> <li>Karte AVA</li> <li>Boring Logs VI</li> </ol>

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