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GENERAL NOTES

CAST-IN-PLACE CONCRETE

All exposed concrete edges shall have a $\frac{3}{4}$ " x 45° chamfer, except where shown otherwise. Chamfer on vertical edges shall be continued a minimum of one foot below finished ground level.

9" PVC waterstrips shall be provided in all vertical or horizontal construction joints, unless noted otherwise.

REINFORCING BARS

Reinforcement bars, including epoxy coated reinforcement bars, shall conform to the requirements of ASTM A615, A616 or A185 Grade 60, deformed bars.

Cover from the face of concrete to face of reinforcement bars shall be 3" for surfaces formed against earth and 2" for all other surfaces unless otherwise shown.

Reinforcement bar bending dimensions are out to out.

Reinforcement bending details shall be in accordance with the "Manual of Standard Practice for Detailing Reinforced Concrete Structures," ACT 315. latest edition.

Reinforcement bars designated "(E)" shall be epoxy coated.

Reinforcement bar splices for f'c=4,000 psi concrete shall be in accordance with the AREMA Manual for Railway Engineering unless shown otherwise on the drawing.

Lap Splices			
Bar Size	Minimum Lap (in.)	Min. Development Length (in.)	
#4	24	14	
#5	29	17	
#6	33	21	
#7	45	26	
#8	59	35	
#9	74	44	
#10	94	55	
#11	116	68	

Top bar lap splices and development length shall be multiplied by 1.4.

STRUCTURAL STEEL

All structural steel shall be ASTM A709 Grade 50, except where otherwise noted. Notch toughness resistant (N.T.R.) steel elements are designated on the plans.

The main load carrying member components subject to tensile stress shall conform to the supplemental requirements for notch toughness d all

eter. method to be used for installation of bolts.

Calculated weight of Structural Steel = 899,300 pounds.

Field welding will not be permitted to the steel bridge beams or girders unless shown on the plans. Field welding in other areas will be permitted only when approved by the Engineer.

CONSTRUCTION

Do not scale dimensions for construction, scale applies only to full size drawings.

No construction joints except those shown on the plans will be allowed unless approved by the Engineer.

Temporary sheeting, bracing or cofferdams shall be constructed as required for the excavation to protect the adjacent areas from settling or falling into the excavated areas. This work, shall be incidental to Structure Excavation, except where indicated otherwise.

The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework, in addition to allowance for dead load deflection.

An application of sealant shall be applied to the surfaces of all abutment seats.

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of ${}^{\prime}_8$ ". Adjustment shall be made either by grinding the surface or by shimming the bearing. One ${\rm I}_{\rm B}{\rm "}$ adjusting shim of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims.

Elevations shown on the plans are based on available information. Contractor shall verify elevations prior to erection and any discrepancies shall be brought to the attention of the Engineer.

Plan dimensions and details relative to existing features have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field 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 the scope of work. However, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Construction joints shown in the retaining walls and retaining wall caps and face walls shall be placed in an alternating sequence utilizing the construction and expansion joints.

The inorganic-zinc rich acrylic/acrylic paint system shall be used for shop and field painting of structural steel except where otherwise noted. The color of the acrylic finish coat shall be as determined by the Engineer.

Where protective surface treatment is specified, it shall conform to the requirements of Section 503.19 of the Standard Specifications. Measurement and payment shall conform to the requirements of of Section 503 of the Standard Specifications, under the item "Protective Coat."

Allowable soil bearing pressure at abutments = 3.5 tons per square foot.

Construction shall be in accordance with IDOT Standard Specifications for Road and Bridge Construction and Special Provisions, and CSXT Specifications contained there in.

A	ECO/	Ν

-	USER NAME = kritzm	DESIGNED - BMR	REVISED -		G	SENER	AL N	OTE.	S AN	D IN	DE
A	PLOT SCALE = 0.083333 ' / in.	DRAWN - CQM	REVISED -	STATE OF ILLINOIS			ST	RUC	TURE	NO.	0
	PLOT DATE = 3/16/2011	CHECKED - DD DATE - 11/23/2	010 REVISED -	DEPARTMENT OF TRANSPORTATION	SCALE:	NONE			OF 65 S		ST

zone 2. These components are the tension flanges, webs an	١ď
splice plate material of the steel girders. These requirement	S
conform to AREMA Table 15–1–2, Zone 2.	
Fasteners shall be high strength bolts ASTM A325 7_6 " diamh holes $^{16}_{\kappa}$ " diamh holes $^{16}_{\kappa}$ " diamhter, unless otherwise noted. Turn-of the Nut	

TUTAL BILL OF	MAIL	TIAL		
ltem	Unit	Super	Sub	Total
CONCRETE STRUCTURES	CU. YD.	28	2,364	2,392
FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1		1
STUD SHEAR CONNECTORS	EACH		8,521	8,521
UNTREATED TIMBER LAGGING	SQ FT		24,189	24,189
REINFORCEMENT BARS, EPOXY COATED	POUND	3,760	275,700	279,460
PRECAST CONCRETE BACKWALLS	CY YD		67	67
BAR SPLICERS	EACH		320	320
GEOCOMPOSITE WALL DRAIN	SQ. YD.		3,228	3,228
PROTECTIVE COAT	SQ. YD.		1,974	1,974
PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT		1,879	1,879
DRILLING AND SETTING SOLDIER PILES (IN SOIL)	CU FT		77,120	77,120
CONSTRUCTION OF JUMP SPANS	L SUM		1	1
TEMPORARY SOIL RETENTION SYSTEM	SQ FT		450	450
STRUCTURE EXCAVATION	CU YD		2,398	2,398
POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD		1,842	1,842
MEMBRANE WATERPROOFING	SQ FT	5,230		5,230
FORM LINER TEXTURED SURFACE	SQ FT		28,800	28,800
BALLAST DRAINS	LIN FT	375		375
PEDESTRIAN RAIL (SPECIAL)	FOOT	150		150
NAME PLATE	EACH		1	1
ALUMINUM RAILING, TYPE L	LIN FT		1,700	1,700
FURNISHING SOLDIER PILES (W Section)	FOOT		7,361	7,361
STEEL BEARING ASSEMBLY	EACH		19	19
ANCHOR BOLTS 1 1/2 IN DIAMETER	EACH		76	76
ANCHOR BOLTS 1 1/4 INCH DIAMETER	EACH		38	38

TOTAL BULL OF MATERIAL

Furnishing Soldier Piles				
Item	Unit	Total		
W21x101	Foot	1301		
W21x147	Foot	352		
W21x201	Foot	928		
W21x282	Foot	1248		
W21x302	Foot	3532		
Total	Foot	7361		

71ST. STREET BUILT BY VILLAGE OF BRIDGEVIEW SEC 06-00050-00-GS F.A.U, RTE. 1537 STA. 23+40 STR, NO, 016-7721 LOADING E80

NAME PLATE See Std. 515001

X OF DRAWINGS F.A.U RTE, SECTION COUNTY TOTAL SHEET SHEETS NO. 06-00050-00-GS соок 1537 209 96 16-7721 CONTRACT NO. 63556 TO STA. FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CRE-9003(709)