GENERAL NOTES

Structural Steel shall be according to the following: W—shapes......AASHTO M 270 Grade 50W C—shapes, L—shapes & plates......AASHTO M 270 Grade 50W

Reinforcement bars designated (E) shall be epoxy coated.

Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure.

All construction joints shall be bonded.

Cost for removal of existing bridge rail is included in cost for Removal of Existing Structures.

Excavation of earth necessary to perform removal of existing structures will not be measured for payment. Cost is included in Removal of Existing Structures.

Excavation for Granular Backfill for Structures shall not be paid separately but considered included in the unit price bid for GRANULAR BACKFILL FOR STRUCTURES.

Granular Backfill behind the abutments shall be compacted according to Article 205.06 of the Standard Specifications.

The proposed improvements are covered under Illinois Department of Natural Resources (IDNR) Statewide Permit Number 2.

The Contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity placed in the water except construction as shown in the plans or as allowed in the Special Provision for Temporary Stream Crossings and In–Stream Work Pads.

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The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework, in addition to allowance for dead load deflection. Forms for deck slab shall be removed prior to placement of bridge approach slab.

Slipform parapet shall not be permitted

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(Horiz. dim. @ RtL's)

*Included in the cost of Pipe Underdrains for Structures. (See Special Provisions)

Note:

All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).





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SHEET - OF - SHEETS STA. -





FIELD CUTTING DIAGRAM

Order a3(E) and a4(E) bars full length. Cut as shown and use remainder of bars in opposite end of deck.

> MINIMUM BAR LAP #4 bar = 2'-5"





SUPERSTRUCTURE							
1	BILL	0F	MATE	RIAL			
_		_					

-			AI LNIA	_
Bar	No.	Size	Length	Shape
a(E)	200	#5	39'-9"	
a1(E)	131	#5	39'-9"	
a2(E)	488	#6	8'-4"	L
a3(E)	44	#5	39'-9"	
a4(E)	29	#5	39'-9"	
a5(E)	4	#5	45'-8"	
b(E)	270	#6	28'-2"	
b1(E)	88	#8	33'-10"	
b3(E)	210	#6	29'-4"	
d(E)	394	#5	6'-5"	Δ
d1(E)	394	#5	8'-5"	
e(E)	72	#4	17'-11"	
e2(E)	40	#4	10'-3"	
e3(E)	32	#4	29'-7"	
m10(E)	8	#6	45'-10"	
m11(E)	24	#6	5'-7"	
m12(E)	8	#6	2'-7"	
m13(E)	12	#6	3'-8"	
m14(E)	4	#6	1'-7"	
m15(E)	28	#5	4'-0"	
m20(E)	12	#6	3'-8"	
m21(E)	24	#6	5'-7"	
m22(E)	14	#5	4'-0"	
s10(E)	60	#5	8'-4"	
s11(E)	60	#5	8'-11"	
s12(E)	56	#5	7'-9"	
s20(E)	24	#5	11'-8"	U
s21(E)	24	#5	10'-1"	
s22(E)	931	#4	3'-1"	
v100(E)	82	#5	3'-1"	<u> </u>
Reinforcen			Lbs.	65,100**
Ероху Соа	ed (Speci	al)		
Concrete Cunarateur		Cu. Yds.	211.1	
Superstruc		\sim		<u> </u>

*BARS TO BE SUPPLIED BY THE CONTRACTOR

Bars indicated thus I x 2-#4 etc. indicates

1 line or bars with 2 lengths per line.										
	FAU RTE,	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.					
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SEC. THRU ABUT.

Dimensions at right angles to abutment.

BILL OF MATERIAL FOR 2 ABUTMENTS

Bar	No.	Size	Length	Shape			
h(E)	64	#7	14'-5"				
h1(E)	32	#7	18'-10"				
h2(E)	8	#5	9'-10"				
p(E)	20	#8	45'-10"				
s(E)	80	#6	14'-10"				
s1(E)	28	#5	4'-7"				
s2(E)	4	#6	16'-1"				
s3(E)	8	#6	10'-8"				
u(E)	16	#6	12'-7"				
v(E)	204	#8	5'-0"				
v1(E)	16	#5	6'-8''				
v2(E)	36	#5	9'-7"				
Reinforcen Epoxy Coa	ent Bars, ted (Specia	al)	Lbs.	11,290			
Concrete S	tructures		Cu. Yds.				
	Excavation		Cu. Yds.	250			
URNISHIN PILES 14"	IG METAL X 0.312"	SHELL	Foot	642			
Driving Pil	es		Foot	642			
ant Dila t	letal Shell	Each	2				

Notes:

Pour steps monolithically with cap. Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated. For details of piles see sheet 33 of 38.

DETAILS	FAU RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
004-3103	5011	19-06126-00-BR		BOONE	38	31
004-0100				CONTRACT	NO	85732
TS STA TO STA	ILLINOIS FED. AID PROJECT -					