GENERAL NOTES

1. Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts. Bolts $^{7}/_{8}$ in. dia., holes $^{15}/_{16}$ in. dia., unless otherwise noted.
2. Calculated weight of Structural Steel = 4,234,000 lbs. M270 Grade 50
   10,850 lbs. M270 grade 36
3. No field welding is permitted except as specified in the contract documents.
4. Reinforcement bars designated (E) shall be epoxy coated.
5. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $^{1}/_{8}$ inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
6. Concrete sealer shall be applied to the designated areas of the abutments.
7. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
8. The Inorganic Zinc Rich Primer/Acrylic/Acrylic Paint System shall be used for shop and field painting of the new structural steel except where otherwise noted. The color of the final finish coat for all interior steel surfaces shall be gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be gray, Munsell No. 5B 7/1.
9. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
10. The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
11. 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 for cofferdams. This shall include the placement of material for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to the IDNR 3704 Floodway Construction permit number allowing permanent construction as shown in the contract plans.
12. Seal coat thickness design is based on the Estimated Water Surface Elevation (EWSE). Cofferdam design details and proposed changes in seal coat thickness shall be submitted to the Engineer for approval with the cofferdam design.
13. Removal of SN 026-0018 (WB) will be paid for as Removal of Existing Structures No. 1, and removal of SN 026-0085 (EB) will be paid for as Removal of Existing Structures No. 2.
14. The camber and dead load deflection values shown on the plans were developed based on the deck pouring sequences shown on sheets 25 and 32 of 113. Any deviation from this pouring sequence will result in changes to camber and elevations that reflect dead load deflections. If the Contractor wishes to alter the sequence, then the proposed plan revisions and design calculations shall be submitted to the Engineer for review and approval. The calculations shall be prepared and sealed by an Illinois Licensed Structural Engineer.
15. The locations of some abutment piles may need to be adjusted in the field. Otherwise, conflicts may occur between the proposed back row of abutment piles and the battered piles in the front row of the existing abutments. The concrete caps at the existing abutments shall be removed and locations of existing piles verified prior to driving any proposed piles. If conflicts exist, the proposed pile locations shall be adjusted and reinforcement stirrups relocated as directed by the Engineer. The maximum pile spacing in the back row of the proposed abutments shall be 8'-9".
16. Diamond grinding shall not be performed on the bridge approach slab connector pavements.
17. If cantilever forming brackets are used on the exterior girders, the resulting force from the leg brace of the brackets shall be transmitted to the web within 6 inches of the bottom flange.

STRUCTURE INDEX OF SHEETS

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A4	Sq. Yd.	-	3600	3600
Filter Fabric	Sq. Yd.	-	3600	3600
Removal of Existing Structures No. 1	Each	-	-	1
Removal of Existing Structures No. 2	Each	-	-	1
Structure Excavation	Cu. Yd.	-	2390	2390
Cofferdam Excavation	Cu. Yd.	-	5370	5370
Cofferdam (Type 2) (Location-1)	Each	-	1	1
Cofferdam (Type 2) (Location-2)	Each	-	1	1
Cofferdam (Type 2) (Location-3)	Each	-	1	1
Cofferdam (Type 2) (Location-4)	Each	-	1	1
Floor Drains	Each	87	-	87
Concrete Structures	Cu. Yd.	-	3186.2	3186.2
Concrete Superstructure	Cu. Yd.	3516.1	-	3516.1
Bridge Deck Grooving	Sq. Yd.	10182	-	10182
Seal Coat Concrete	Cu. Yd.	-	659.1	659.1
Concrete Encasement	Cu. Yd.	-	32.8	32.8
Protective Coat	Sq. Yd.	12831	-	12831
Furnishing and Erecting Structural Steel	L. Sum	1	-	1
Stud Shear Connectors	Each	35892	1800	37692
Reinforcement Bars, Epoxy Coated	Pound	901350	490120	1391470
Bar Splicers	Each	-	168	168
Mechanical Splicers	Each	-	1252	1252
Furnishing Steel Piles HP 14x73	Foot	-	5625	5625
Furnishing Steel Piles HP 14x89	Foot	-	25768	25768
Driving Piles	Foot	-	31393	31393
Name Plates	Each	2	-	2
Elastomeric Bearing Assembly, Type III	Each	18	-	18
Anchor Bolts, $^{3}/_{4}$"	Each	-	60	60
Anchor Bolts, 1"	Each	-	72	72
Anchor Bolts, $1^{1}/_{4}$"	Each	-	192	192
Concrete Sealer	Sq. Ft.	-	2891	2891
Geocomposite Wall Drain	Sq. Yd.	-	194	194
High Load Multi-Rotational Bearings, Guided Expansion, 250k	Each	6	-	6
High Load Multi-Rotational Bearings, Guided Expansion, 550k	Each	48	-	48
High Load Multi-Rotational Bearings, Fixed - 550k	Each	12	-	12
Granular Backfill for Structures	Cu. Yd.	-	515	515
Drainage Scuppers, DS-11	Each	27	-	27
Diamond Grinding (Bridge Section)	Sq. Yd.	9669	-	9669
Modular Expansion Joint, 9"	Foot	168	-	168
Pipe Underdrains for Structures 4"	Foot	-	300	300

PROPOSED PIER ELEVATIONS

	SN 026-0106		SN 026-0107	
Location	Ground Elev.	Elev. A	Ground Elev.	Elev. A
Pier 1	471.9	466.9	472.5	466.9
Pier 2	472.0	466.9	473.0	466.9
Pier 3	471.7	452.0	471.2	452.0
Pier 4	472.8	452.0	471.2	452.0
Pier 5	470.6	465.6	471.0	465.6

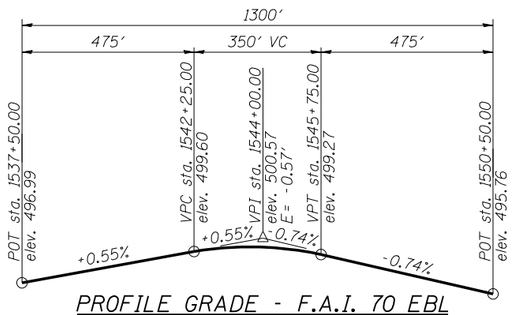
STATION 543+69.02
BUILT 201_ BY
STATE OF ILLINOIS
F.A.I. RT. 70
SEC. (26-3B-1, 3B-1(3))BR
LOADING HL-93
STR. NO. 026-0106

WESTBOUND

STATION 1543+92.54
BUILT 201_ BY
STATE OF ILLINOIS
F.A.I. RT. 70
SEC. (26-3B-1, 3B-1(3))BR
LOADING HL-93
STR. NO. 026-0107

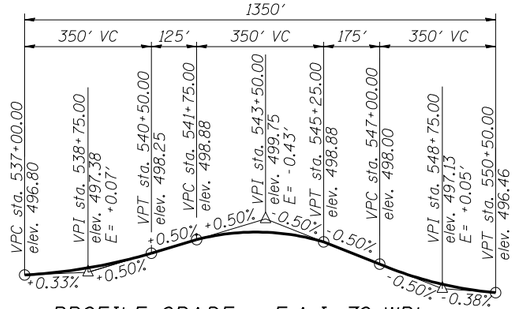
EASTBOUND

NAME PLATES
(See Hwy. Std. 515001)



PROFILE GRADE - F.A.I. 70 EBL
(Along ℄ eastbound lanes)

The profile grades depict the final elevations after grinding. Up to $^{1}/_{4}$" will be ground off the bridge decks and approach slabs.



PROFILE GRADE - F.A.I. 70 WBL
(Along ℄ westbound lanes)