<u>GENERAL NOTES</u>

1. Fasteners shall be high strength bolts (AASHTO M164 type 3). Bolts M22 Ø, open holes 24 mm Ø, unless otherwise noted.

- 2. Calculated mass of Structural Steel (M 270M, Grade 345W) = 334,090 kg
- 3. All structural steel shall be AASHTO M 270M Grade 345W.
- 4. Field welding of construction accessories will not be permitted to the girders.
- 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 tension flanges and webs of plate girders.
- 6. Reinforcement bars shall conform to the requirements of AASHTO M 31M or M 322M Grade 400.
- 7. The contractor shall drive 2-356 Ø Metal Shell test piles in a permanent location. One each at the East and West Abutments, as directed by the Engineer before ordering the remainder of piles.
- 8. All dimensions are in millimeters (mm) except as noted.
- 9. The existing structural steel coating contains lead. The Contractor should take appropriate precautions to deal with the presence of lead on this project. No additional compensation will be made to properly dispose of the existing structure containing lead.
- 10. AASHTO M 270M Grade 345W structural steel shall only be painted, at the ends of the beams, for a distance equal to 675 mm. Those areas shall be primed in the shop with an inorganic zinc rich primer per AASHTO M 300, Type I. No field painting shall be required. All structural steel shall be cleaned as specified in the special provision for "Surface Preparation and Painting Requirements for Weathering Steel". The top of the top flanges shall not be painted.

11. All construction joints shall be bonded.

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Present Structure, Str. (IN) (IN) Slopewall, Concrete, 100 (IN) Surface Seal (IN) Excavation, Foundation, Structure Backfill Test Pile, 356 mm (TNI) (IN) Pile, Concrete, Steel Sh (IN) Concrete, A, Substructu Concrete, C, Superstruct (IN) (IN) (IN) Reinforcing Bars, Epox Noise Abatement Wall Ar (IN) Threaded Tie Bar Asse (IN) Field Welded Stud Shear (IN) Anchor Bolt (IN) Masonry Coat Furnishing Structural St Erecting Structural Ste Storage of Structural S

to be stored for 30 calendar days.

(IN) Indiana Pay Items, denoted by "(Indiana)" in Special Provisions and Summary of Quantities.

DESIGNED	BHS
CHECKED	KFA
DRAWN	BHS
CHECKED	GSP

*FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY		TOTAL SHEETS	SHEET NO.	SHEET NO. 5-2		
F. A. L 88/94	2026,2-4-2	LAKE COUNTY, INDIANA		1207	693	28 SHEETS		
ILLINGIS FED. ALD PRO				JECT-				
CONTRACT NO. 62114 INDOT DES. NO. 0100987								

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
No. 1-80-1-8461, Remove Portions	L. Sum	1		1
0 mm	m²		1,245	1,245
	L. Sum	0.12		0.12
Unclassified	m ³		467	467
	m ³		796	796
	Each		2	2
hell Encased, 6.35 mm, 356 mm	m		1,531.5	1,531.5
ure	m ³		117.9	117.9
cture	m ³	601.6		601.6
ky Coated	kg	65,790	8,190	73,980
nchor Rod Assembly	Each	28		28
embly, Epoxy Coated	Each	695	12	707
r Connector	Each	7,272		7,272
	Each	96		96
	L. Sum	0.07		0.07
iteel	L. Sum			0.16
el	L. Sum	0.21		0.21
Steel	**			501

** For Storage of Structural Steel one unit shall be equal to 5 metric tons. The quantity was calculated based on the assumption that 25% of the steel mass has

