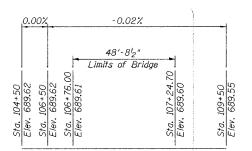
CONTRACT * 83802

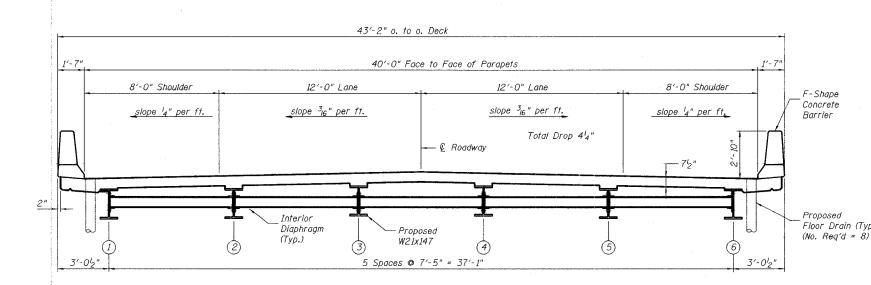
TOTAL BILL OF MATERIAL

	, , , , , , , , , , , , , , , , , , , 		
CODE NO.	DESCRIPTION	UNIT	TOTAL
20900110	Porous Granular Backfill	Cu. Yds.	(123)
28100107	Stone Rip Rap CL A4	Sq. Yds.	30
28200 20 0	Filter Fabric Parking Law	Sq. Yds.	90
50101600	Removal of Existing Superstructures	L. Sum.	1
50102400	Concrete Removal	Cu. Yds.	36.8
50200100	Structure Excavation	Cu. Yds.	(320)
50200510	Cofferdams (Special)	Each	
50300100	Floor Drains	Each	8
50300225	Concrete Structures	Cu. Yds.	G17.8
50300255	Concrete Superstructures	Cu. Yds.	66.3
50300260	Bridge Deck Grooving	Sg. Yds.	193
50300300	Protective Coat	Sq. Yds.	65
50301245	Formed Concrete Repair (Depth <= 5")	SF	5
50500105	Furnishing and Erecting Structural Steel	L. Sum	1
50500505	Stud Shear Connectors	Each	1008
50800205	Reinforcement Bars (Epoxy Coated)	Pound &	<i>26.780</i> 3
51201000	Furnishing Metal Pile Shells,(12°)	Foot	(429)
51202600	Driving and Filling Shells	Foot	₹295
<i>51203200</i>	Test Pile Metal Shells	Each	\dots
51500100	Name Plates	Each	1
59000100	Epoxy Crack Sealing	Foot	65
59100100	Geocomposite Wall Drain	Sq. Yds.	67
60100915	Pipe Drain, 6"	Foot	67

S-1.	General Plan and Elevation	
S-2.	General Notes, Bill of Material, and Index of Shee	
S-3.	Top of Deck Slab Elevations	
S-4.	Deck Plan and Cross Sections	
S-5.	Parapet Elevations and Details	
S-6.	Steel Framing Plan	
S-7.	Beam Elevation and Details and Bearing Details	
S-8.	Anchor Bolt Details	
S-9.	Abutment Plan and Elevation	
S-10.	Abutment Details	
S-11.	Retaining Wall Plan and Elevation Pile Details and Forming Bracket Details	
S-12.	Pile Details and Forming Bracket Details;	
S-13.	Soil Borings	



PROFILE GRADE (alona PGL)



DESIGNED MGH CHECKED RGD WJH DRAWN CHECKED

TYPICAL CROSS SECTION Not to Scale

GENERAL NOTES

- 1. Fasteners shall be high strength bolts. Bolts 34 " Dia., open holes $^{15}16$ " unless otherwise noted.
- Calculated weight of Structural Steel (Grade 50) = 41,785 pounds.
- 3 Calculated weight of Structural Steel (Grade 36) = 1,588 pounds.
- 4 All Structural Steel shall be AASHTO M 270 Grade 50 except diapragms, bearing plates, high strength bolts, and anchor bolts.
- 5. Field welding of construction accessories will not be permitted to beams or girders.
- 6. 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 wide flange beams.
- 7. Reinforcement bars shall conform to the requirements of AASHTO M31, M42 or M53 Grade 60.
- 8. Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
- 9. Backfill shall be placed behind the abutment after the superstructure has been poured and the false work removed. See Article 502.10 of the Standard Specifications.
- 10. The back face of the Abutment Extensions, their Wingwalls, and Retaining Walls shall be waterproofed according to Article 503.18 of the Standard Specifications.
- 11. The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of false work, in addition to allowance for dead load deflection.
- 12. Plan dimensions and details relative to existing structure 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 material. 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 for the work.
- 13. The contractor shall drive one (Denetal shell) test pile in a permanent location as directed by the Engineer before ordering the remainder
- 14. Bridge Seat Sealer shall be applied to the seat area of the abutments.
- 15. Excavation behind existing abutment walls shall be done before removing ...the existing superstructure. (See S-10 for Structure Excavation Detail)
- 16. Cover from the face of concrete to reinforcement bars shall be 3"for surfaces formed against earth and 2" for all other surfaces unless otherwise shown.
- 17. Reinforcement bending details shall be in accordance with the "Manual of Standard Practice for Detailing Reinforced Concrete Structures," ACI 315, latest edition.
- 18. Reinforcement Bars designated "(E)" shall be epoxy coated.
- 19. Reinforcement bar splices shall be in accordance with the following table unless shown otherwise on the drawings.

<u>3128</u>	<u> Dasic Lup</u>	TOP BUIS LUP
#4	1'-8"	2′-5"
#5	2'-2"	3'-0"
#6	2'-7"	3′-7"
#7	3′-5"	4'-10"
#8	4'-6"	6'-4"
#9	5′-9"	8'-1"

- 20. The Inorganic zinc rich primer/Acrylic Paint System shall be used for shop and field painting of structural steel bridge members except where otherwise noted. The color of the final finish coat for the beams shall be Reddish Brown, Munsell No. 2.5 YR 3/4. The top surface of the Wide Flange Beams and the Stud Shear Connectors shall not be painted.
- 21.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. This shall include the placement of material for run-arounds, causeways, etc.

Proposed C22. All construction joints shall be bonded, Floor Drain (Typ.)

ILLINOIS DEPARTMENT OF TRANSPORTATION

General Notes, Bill of Material, and Index of Sheets Harlem Avenue Over Black Walnut Creek Will County Section 139B-MFT SN. 099-3091