

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
REMOVAL OF EXISTING STRUCTURE No. 1	EACH	1		1
REMOVAL OF EXISTING STRUCTURE No. 2	EACH	1		1
PROTECTIVE SHIELD	SQ. YD.	2,654		2,654
STRUCTURE EXCAVATION	CU. YD.		263	263
CONCRETE STRUCTURES	CU. YD.		2,646	2,646
CONCRETE SUPERSTRUCTURE	CU. YD.	3,172		3,172
BRIDGE DECK GROOVING (SPECIAL)	SQ. YD.	9,202		9,202
FORM LINER TEXTURED SURFACE	SQ. FT.		8,844	8,844
RUBBED FINISH	SQ. FT.		14,936	14,936
PROTECTIVE COAT	SQ. YD.	11,869		11,869
FURNISHING AND ERECTING STRUCTURAL STEEL	L. SUM	1		1
STUD SHEAR CONNECTORS	EACH	38,436		38,436
REINFORCEMENT BARS, EPOXY COATED	POUND	975,000	644,620	1,619,620
REINFORCEMENT BARS	POUND		707,240	707,240
NAME PLATES	EACH	1		1
PERMANENT CASING	FOOT		178	178
DRILLED SHAFT IN SOIL	CU. YD.		2,708	2,708
DRILLED SHAFT IN ROCK	CU. YD.		74	74
PREFORMED JOINT STRIP SEAL	FOOT	76		76
ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	18		18
ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	6		6
ANCHOR BOLTS, 3/4"	EACH	72		72
ANCHOR BOLTS, 1"	EACH	192		192
ANCHOR BOLTS, 1 1/4"	EACH	168		168
ANCHOR BOLTS, 1 1/2"	EACH	24		24
CONCRETE SEALER	SQ. FT.		30,394	30,394
TEMPORARY SOIL RETENTION SYSTEM	SQ. FT.		872	872
BAR SPLICERS	EACH		78	78
MECHANICAL SPLICERS	EACH		724	724
DRAINAGE SYSTEM	L. SUM		1	1
DRAINAGE SCUPPERS, DS-II	EACH	20		20
HIGH LOAD MULTI-ROTATION BEARINGS, GUIDED EXPANSION 200K	EACH	18		18
HIGH LOAD MULTI-ROTATION BEARINGS, GUIDED EXPANSION 250K	EACH	21		21
HIGH LOAD MULTI-ROTATION BEARINGS, GUIDED EXPANSION 300K	EACH	12		12
HIGH LOAD MULTI-ROTATION BEARINGS, GUIDED EXPANSION 400K	EACH	6		6
HIGH LOAD MULTI-ROTATION BEARINGS, FIXED 500K	EACH	6		6
HIGH LOAD MULTI-ROTATION BEARINGS, FIXED 600K	EACH	6		6
HIGH LOAD MULTI-ROTATION BEARINGS, FIXED 650K	EACH	8		8
HIGH LOAD MULTI-ROTATION BEARINGS, FIXED 850K	EACH	6		6
MODULAR EXPANSION JOINT-SWIVEL 6"	FOOT	224		224
CROSSHOLE SONIC LOGGING	EACH		13	13
EARTH EXCAVATION (SPECIAL)	CU. YD.		76	76
BRACED EXCAVATION	CU. YD.		1,229	1,229
FOUNDATION CONSTRUCTION AT EXISTING OBSTRUCTIONS	EACH		2	2
FURNISHING STEEL PILES HP 12x84	FOOT		2,967	2,967
SETTING PILES IN ROCK	EACH		31	31

**STRUCTURAL ASSESSMENT OF EXISTING STRUCTURE NOTES:**

- In order to construct proposed superstructure & substructure elements, Contractor may elect to support temporary construction material and/or equipment, on the existing structures in the vicinity of the proposed structure. The Contractor shall submit Structural Assessment Report(s) for approval prior to beginning the work. See Special Provision.
- An Existing Structure Information Package (ESIP) will be provided by the Department to the Contractor upon request.
- The Contractor shall retain the services of an engineering firm, prequalified in the IDOT consultant selection category of Highway Bridge (Complex), for preparation of the Structural Assessment Report(s). Contractor's pre-approval shall not be applicable for this project. See Special Provision.

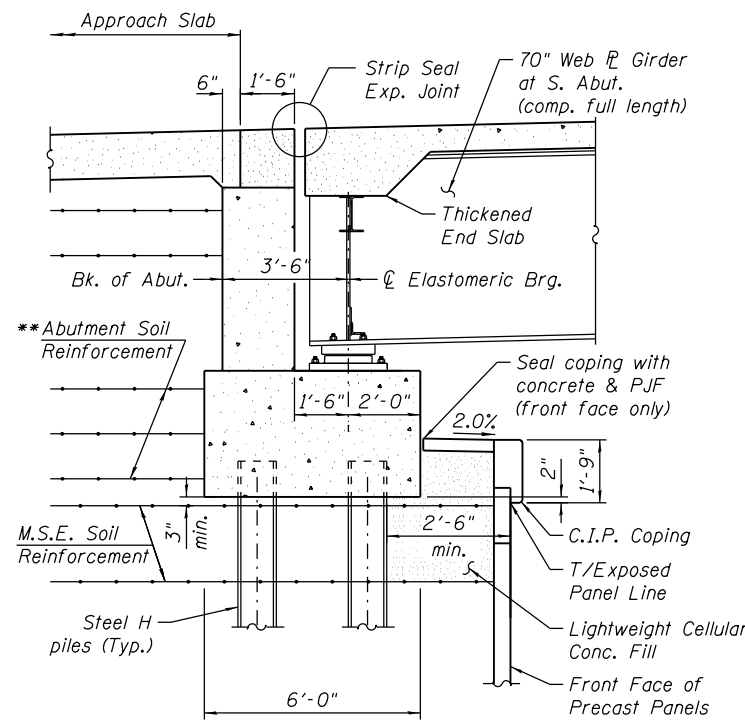
Current Ratings on File for Existing Structures are as follows:

S.N. 016-1029 (EB I-290 over I-90/94)  
Inventory: HS 17.2  
Operating: HS 28.7  
Live Load Restrictions: None

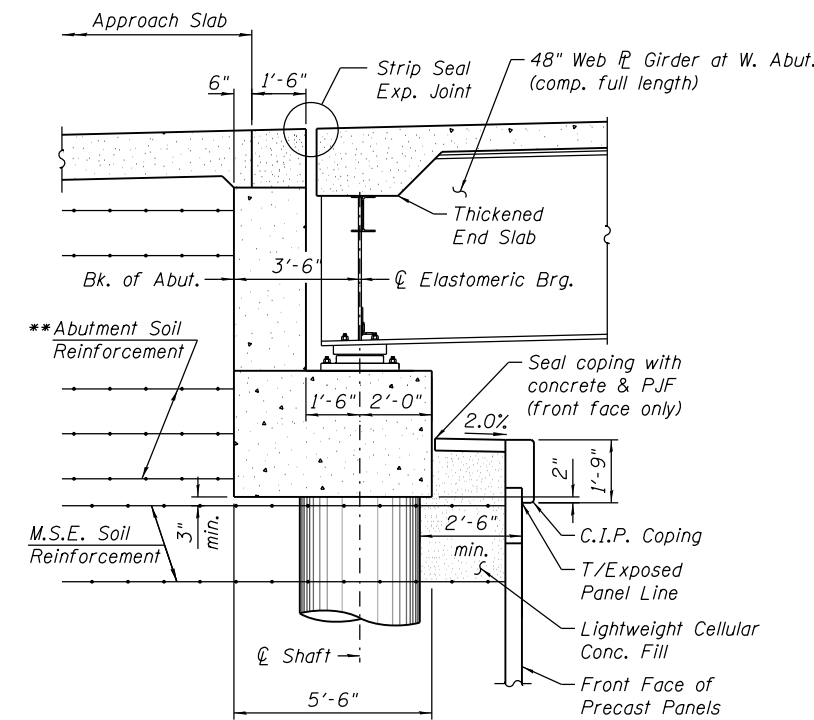
S.N. 016-1030 (WB I-290 over I-90/94)  
Inventory: HS 14.7  
Operating: HS 24.5  
Live Load Restrictions: None

S.N. 016-2452 (Ramp I-94 SB to I-290 EB over I-290 & I-94/94)  
Inventory: HS 13.4  
Operating: HS 22.2  
Live Load Restrictions: None

- Inventory and Operating Ratings and Live Load Restrictions are provided for information only. Inventory and Operating Ratings are based on HS loading and configuration. Live Load Restrictions are based on Illinois legal loads and configurations. The Ratings and Live load Restrictions are not necessarily representative of capacities to support the Contractor's equipment.
- The contractor is advised that the existing structures may contain members in deteriorated conditions with reduced load carrying capacities. It is the Contractor's responsibility to account for the condition of existing structures when developing construction procedures for using them to support construction loads.
- The contractor shall verify that the structural demands of the applied loads due to the Contractor's means and methods will not exceed the available capacity of the structure at the time loads are applied. Most likely, the Contractor will be required to provide additional shoring under the existing bridges (or other methods of retrofitting) to support construction loads. Design, installation and subsequent removal of such shoring system will be the responsibility of the Contractor and will not be paid separately.
- The Contractor shall use caution and not damage any component of the existing structure. Upon completion of work and prior to allowing traffic back on the existing structure the contractor must restore existing structure in its original condition.



**SECTION THRU S. ABUTMENT**  
(Horiz. Dims. @ Rt. L's to C Brg.)



**SECTION THRU W. ABUTMENT**  
(Horiz. Dims. @ Rt. L's to C Brg.)

\*\*Abutment Soil Reinforcement to resist lateral loads in lieu of drilled shafts

0161705-60W2B-5005-GenNote.dgn



USER NAME = floresg	DESIGNED - ATB	REVISED
PLOT SCALE = N.T.S.	CHECKED - DD	REVISED
PLOT DATE = 5/7/2014	DRAWN - MRK	REVISED
	CHECKED - ATB	REVISED

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TOTAL BILL OF MATERIAL AND ABUTMENT SECTION  
STRUCTURE NO. 016-1705**

SHEET NO. S-5 OF S-165 SHEETS

F.A.I. RTE. 90/94/290	SECTION 2013-010R	COUNTY COOK	TOTAL SHEETS 747	SHEET NO. 321
CONTRACT NO.			ILLINOIS FED. AID PROJECT	