STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION ← © Central Ave. -- Stage I Construction Varies 60'-0" min. Stage I Traffic -- Stage I Removal 11'-0" 11'-6" 11'-6" Southbound Thru | Northbound Thru | Northbound Thru 1'-6" Lane Lane 3'-10'2' 1'-0" _7½" Slab LEGEND Stage I Removal Exist. W36 (Typ.) 7 Spa. at 5'-9'' = 40'-3'' (Exist.) 7 Spa. at 5'-9'' = 40'-3'' (Exist.) Varies 2'-5" 7'-0" (Spans 4 to 6)-- 7'-0" (Spans 4 to 6) 2'-5" STAGE I CONSTRUCTION (Looking North @ Spans 4-6) 鱼属屋 星,健/巨 Stage € Central Ave. Temporary soil Retention System PLAN (Stage I Construction) 48'-1" Stage I & II Retention - € ICRR Track -Ground Surface/Top of Soil Retention System El. 612.90 - El. 598.50 21'-0" Exposed Surface Area-13'-2"± € ICCR Track Maximum 3'-0" --- Braced Excavation Excavation Line 2'-0" min. - EI. 587.00 El. 590.25 2'-0" 12'-1'2"" PIER 5 - ELEVATION SOUTH ABUTMENT derrementation of the second o (Looking West) (Looking West) PIER 5 - PLAN (East End)

STAGE I REMOVAL

- 1. Install temporary concrete barrier as shown and divert traffic to the existing Southbound bridge.
- 2. Install Temporary Soil Retention System and Braced Excavation at locations shown.
- 3. Remove Stage I limits of the existing concrete deck.
- 4. Remove Stage I limits of substructure units as shown on Sheet 6. Jack and Crib Stage I existing beams at S. Abutment, Pier 3 and south beams on C. Abut. 1. Paid for as "Jacking Existing Superstructure."
- 5. Remove and replace existing bearings for Stage I beams on Piers 2 and 4. Removing existing bearings and shoring of beams paid for as "Jack and Remove Existing Bearings."
- 6. Remove existing end steel diaphragms at the South Abutment, Pier 3 and the south bearings at C. Abut. 1.

STAGE I CONSTRUCTION

- 1. Construct widened portions of piers 1, 2, 4 and 5.
- 2. Reconstruct and widen the South Abutment, Pier 3 & C. Abutment 1, within the limits of Stage I.
- 3. Replace existing expansion bearings on Piers 2 and 4.
- 4. Paint existing structural steel beams and diaphragms, within the limits of Stage I.
- 5. Erect new Stage I structural steel.
- 6. Construct new Stage I bridge deck.

NOTES:

- A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.
- 2. All temporary shoring systems that support or impact the Railroad's tracks or operations shall be designed and constructed to provide safe and adequate rigidity. The Contractor's design and installation shall meet the requirements of the current American Railway Engineering and Maintenance-of-Way Association (AREMA) Manual of Recommended Practice and any specific requirements of the Illinois Central Railroad Company and its Parent.
- 3. The Contractor shall coordinate the installation of the Braced Excavation with the IC/CN Railroad.

ITEM	UNIT	TOTAL
Temporary Soil Retention System	SQ FT	745
Braced Excavation	CU YD	87

STAGE I CONSTRUCTION STRUCTURE NO. 016-3241

TYLININTERNATIONAL

	DESIGNED - PK			REVISIONS			
	CHECKED	-	AMD,	NAME	DATE		
1 L	DRAWN	-	EMK, PK				
	CHECKED	-	AMD,				
	DATE	_	03/25/2011				

SHEET NO. 3 F.A.I RTE. 55

F.A.I RTE.	SE	CTION		COUNTY	TOTAL SHEETS	SHEET NO.
55	0711 . 2R	& 1011 . 18	3R	соок	741	256
	NO. 60	999				
FED. R	OAD DIST. NO.	1 ILLINOIS	FED.	AID PROJECT		

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