SUGGESTED CONSTRUCTION SEQUENCE

1. Install all steel H piles (Phase 1 and Phase 2) and approach pit (as needed) for jump span at both abutments (between trains with flagmen).
2. Install H piles for temporary soil retention between Tracks 2 and 3. This work could be performed during available track shutdown or during installation of steel H piles for jump spans.

PHASE 1 CONSTRUCTION SEQUENCE - JUMP SPAN INSTALLATION*

1. Remove Tracks 1 and 2 (track shutdown).
2. Install timber lagging for jump span Phase 1.
3. Excavate to bottom of jump span cap beam.
4. Install structural steel for jump span including cap beam and jump span beam.
5. Install lagging between tracks 2 and 3.
6. Install Tracks 1 and 2 assembly and make connections (track operations resume).

PHASE 2 CONSTRUCTION SEQUENCE - JUMP SPAN INSTALLATION*

1. Remove Tracks 3 and 4 (track shutdown).
2. Install timber lagging for jump span Phase 2.
3. Excavate to bottom of jump span cap beam.
4. Install structural steel for jump span including cap beam and jump span beam.
5. Install Tracks 3 and 4 assembly and make connections (track operations resume).

PHASE 3 CONSTRUCTION SEQUENCE - BRIDGE INSTALLATION (STAGE 1)

1. Within both jump spans excavate to bottom of abutment footing and install waters and struts (track operations not affected).
2. Construct abutment footings/walls modifying the struts (track operations not affected).
3. Remove Tracks 1 and 2 and portion of jump span structural steel (track shutdown).
4. Excavate to bearing elevation along entire length of bridge (1/2 width, excluding jump spans).
5. Install portion of abument backwalls, bearings, superstructure and ballast (1/2 width).
6. Install lagging between back of abutment and edge of jump span and place backfill behind abutments.
7. Install Tracks 1 and 2 assembly and make connections (track operations resume).

PHASE 4 CONSTRUCTION SEQUENCE - BRIDGE INSTALLATION (STAGE 2)

1. Remove Tracks 3 and 4 and portion of jump span structural steel (track shutdown).
2. Excavate to bearing elevation along entire length of bridge (1/2 width, excluding jump spans).
3. Install remaining portion of abument backwalls, bearings, superstructure and ballast.
4. Place backfill behind abutments.
5. Install Tracks 3 and 4 assembly and make connections (track operations resume).
6. Excavate below the bridge superstructure for roadway construction removing longitudinal sheeting in segments by burning (track operations not affected).
7. Remove struts, cut off and bury steel H piles in front of abutments (track operations not affected).
8. Install roadway pavement and sidewalk (track operations not affected).

FIBER OPTIC RELOCATION SEQUENCE

NOTES:
THE PROCEDURES SHOWN IN THE PLANS ARE A SUGGESTED METHOD FOR CONSTRUCTION SEQUENCE OF THE FIBER OPTIC LINE RELOCATIONS. THE CONTRACTOR, AT HIS OR HER OPTION, MAY SUBMIT AN ALTERNATE PLAN FOR APPROVAL BY THE ENGINEER AND THE INVOLVED FIBER OPTIC COMPANY(S).

SEE THE SPECIAL PROVISIONS FOR CONTACT INFORMATION.

1. PRIOR TO BEGINNING WORK IN THE CSXT ROW, EXPOSE AND FIELD LOCATE THE EXISTING LINES. (WORK TO BE PERFORMED BY OTHERS)

2. ADJUST PROPOSED PILE LAYOUT AS-NEEDED TO AVOID THE EXISTING LINES SUBJECT TO THE APPROVAL OF THE ENGINEER.

3. LEAVE A KNOCK-OUT POINT IN SHEETING FOR EXISITNG CROSSING. SUPPORT AND PROTECT THE LINES DURING EXCAVATION WORK FOR THE ABUTMENTS.

4. PLACE A SLEEVE IN THE PROPOSED ABUTMENT WALL TO MAINTAIN THE EXISTING LINE IN PLACE. (IF NEEDED BASED ON THE EXISTING FIELD LOCATIONS)

5. INCLUDE A SLEEVE IN THE PRECAST BACKWALL FOR THE PROPOSED LOCATION OF THE FIBER OPTIC LINES.

6. PLACE THE BRIDGE SUPERSTRUCTURE. SUPPORT AND PROTECT THE EXISTING LINE IN PLACE DURING EXCAVATION OF THE ROADWAY. LINE MAY BE TEMPORARILY SUPPORTED FROM THE BRIDGE SUPERSTRUCTURE.

7. ATTACH THE CONDUIT TO THE BRIDGE SUPERSTRUCTURE AND EXTEND PAST THE PRECAST BACKWALL AS SHOWN ON THE PLANS.

WORK TO BE PERFORMED BY THE FIBER OPTIC OWNER/OPERATOR

8. INSTALL A HANDHOLE NORTH AND SOUTH OF THE PROPOSED BRIDGE.

9. RUN NEW CABLE BETWEEN THE HANDHOLES THROUGH THE NEW CONDUIT ATTACHED TO THE BRIDGE STRUCTURE. METHODS MAY INCLUDE, BUT ARE NOT LIMITED TO, DIRECTION BORE AND OPEN CUT.

10. CREATE A SPLICE POINT AT THE NEW HANDHOLES AND CUT OVER TO THE NEWLINE.

11. REMOVE EXISTING CABLE AND CONDUIT.

FILE NAME = P:\60155877\000.CAD\001 Drawings\Sheets\Structure\016-7721_IDOT_sht17_Staging-II.dgn

AECOM

USER NAME = dabezicd	DESIGNED - BMR	REVISED -	
PLOT SCALE = 01.0000 '' / IN.	DRAWN - JH	REVISED -	
PLOT DATE = 1/21/2011	CHECKED - DD	REVISED -	
	DATE - 11/23/2010	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY STAGING II
STRUCTURE NO. 016-7721

SCALE: | SHEET NO. 17 OF 61 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	111
		CONTRACT NO. 63556		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT CRE-9003(709)		