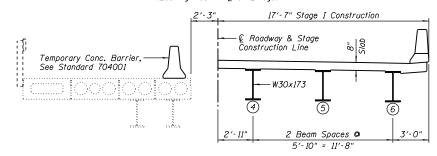
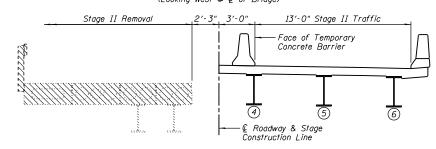


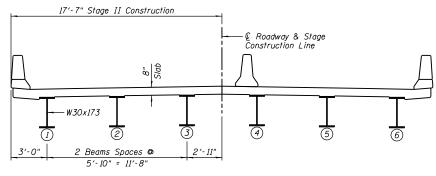
## STAGE I REMOVAL (Looking West @ @ of Bridge)



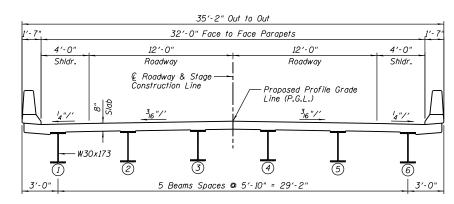
#### STAGE I CONSTRUCTION (Looking West @ @ of Bridge)



## STAGE II REMOVAL (Looking West @ @ of Bridge)



## STAGE II CONSTRUCTION (Looking West @ @ of Bridge)



## CROSS SECTION (Looking West @ @ of Bridge)

DESIGNED - TCR REVISED Farnsworth CHECKED - JML REVISED DRAWN - JWK REVISED Bloomington, Illinois 61704 809/663-8435, 309/663-1571 DATE - 8/10/12 CHECKED - MSW REVISED

**DEPARTMENT OF** 

24'-11" Stage I Retention

— Elev. 752.25

4'-9"

EAST ABUTMENT TEMPORARY SOIL RETENTION SYSTEM

A cantilever sheet piling design does not appear feasible and

design including plan details and calculations for review and acceptance by the Engineer.

additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system

Exposed surface

13′-9"

Ground surface/top

of soil retention

-Existing Profile Grade Line

excavation

9′-5"

Stage II Retention

Elev. 745.09

11'-11"

NOTE:

Ground surface/top-

Elev. 752.16

Exposed surface

of soil retention

system

## BILL OF MATERIAL

Item	Unit	Total		
Temporary Sheet Piling	Sq. Ft.	574		
Temporary Soil Retention System	Sq. Ft.	190		

# 9'-7" -Ground surface/top Stage II Sheeting of sheet pilina Ground surface/top Elev. 752.68 of sheet piling Elev. 751.05 -- Elev. 750.95 - Elev. 752.70 Existing Profile Grade Line -Limits of Structure Removal Maximum excavation Elev. 740.66 Elev. 745.50 Elev. 741.66 741.66 Elev. ±738.05 Elev. ±738.05 Elev. 735.53 Elev. ±736.30 Minimum tip elevation of sheet piling Elev. 728.01 Elev. 725.95 Elev. 720.66 6′-3" 16'-8" Minimum Section Modulus = 12.4 in.3/ft. Modulus = 21.8 in.3/ft.

23'-10"

Stage I Sheeting

## WEST ABUTMENT TEMPORARY SHEET PILING

## NOTES:

- 1.) If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.
- 2.) The Contractor shall connect the first sheet to the existing abutment wall to ensure stability of sheets driven to the top of the existing footing. This connection shall be reviewed and accepted by the Engineer and included in the cost for Temporary Sheet Piling.

## NOTES:

- I.) Removal of the existing bituminous wearing surface shall be included with Removal of Existing Structures.
- 2.) See Sheet B4 for Temporary Concrete Barrier (Standard 704001). See roadway plans for quantity.

STATE OF ILLINOIS TMENT OF TRANSPORTATION	STAGE CONSTRUCTION	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	STRUCTURE NO. 027-0101	693	19BR	FORD	61	25
			•	CONTRACT	NO. 6	6A12
	SHEET NO. B3 OF 30 SHEETS	ILLINOIS FED. AID PROJECT				