

STAGE CONSTRUCTION NOTES

Pre-Stage I Construction

1. Place temporary pavement on the east side of roadway outside the existing pavement.

Stage I Construction

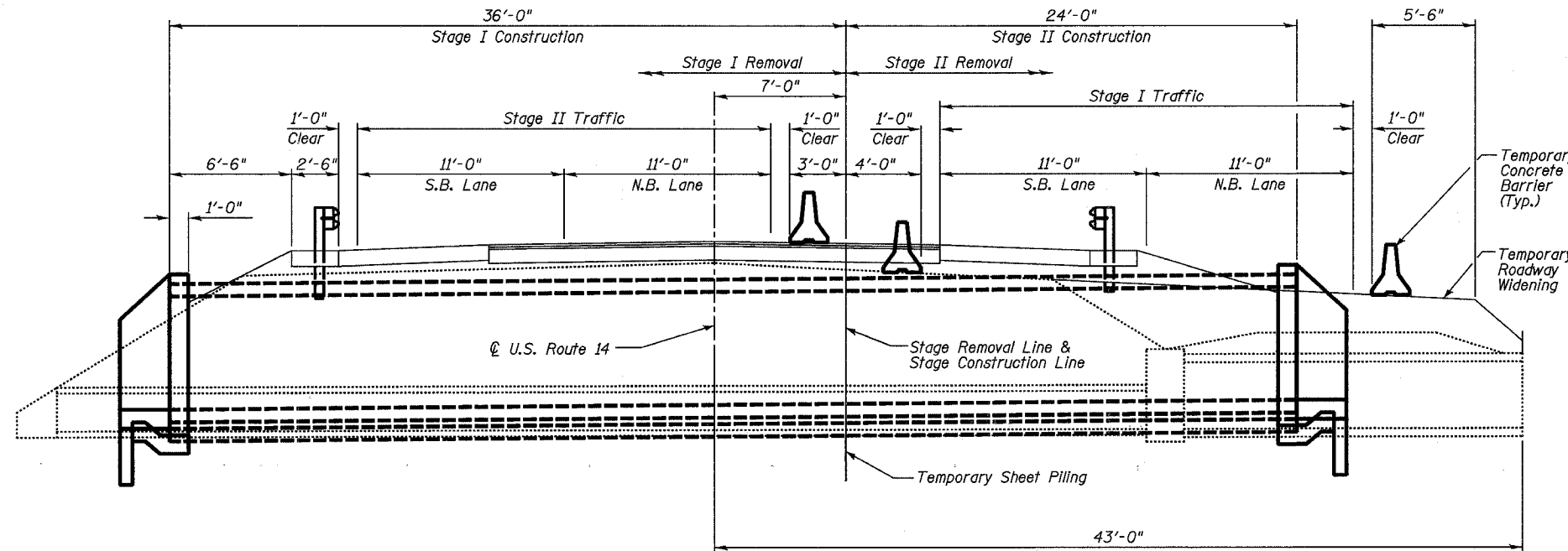
1. Establish Stage I Maintenance of Traffic.
2. Re-route traffic over temporary pavement.
3. Remove western portion of existing culvert.
4. Construct western portion of box culvert.

Stage II Construction

1. Establish Stage II Maintenance of Traffic.
2. Re-route traffic over Stage II Maintenance of Traffic limits.
3. Remove eastern portion of existing culvert and temporary pavement.
4. Construct eastern portion of box culvert.
5. Remove Stage II Maintenance of Traffic.

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

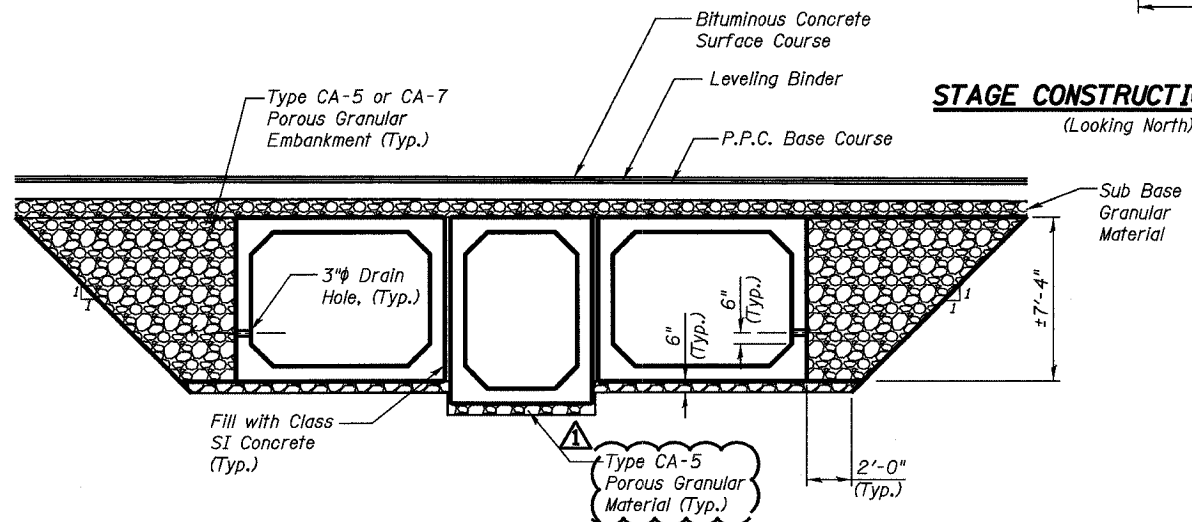
ROUTE NO.	SECTION	COUNTY	LEADS	SHEET NO.	SHEET NO. 2 6 SHEETS
F.A.P. 066	21K&GJR	McHENRY	66	42	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			



TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal & Disposal of Unsuitable Material	C.Y.	60
Channel Excavation	C.Y.	780
Porous Granular Embankment	C.Y.	215
Removal of Existing Structures, No. 2	Each	1
Pipe Culvert Removal	L.F.	31
Structure Excavation	C.Y.	20
Temporary Sheet Piling	S.F.	1,125
Name Plates	Each	1
Box Culvert End Sections	Each	2
Precast Concrete Box Culvert 5' x 7'	L.F.	60
Precast Concrete Box Culvert 8' x 6'	L.F.	120

STAGE CONSTRUCTION DETAILS

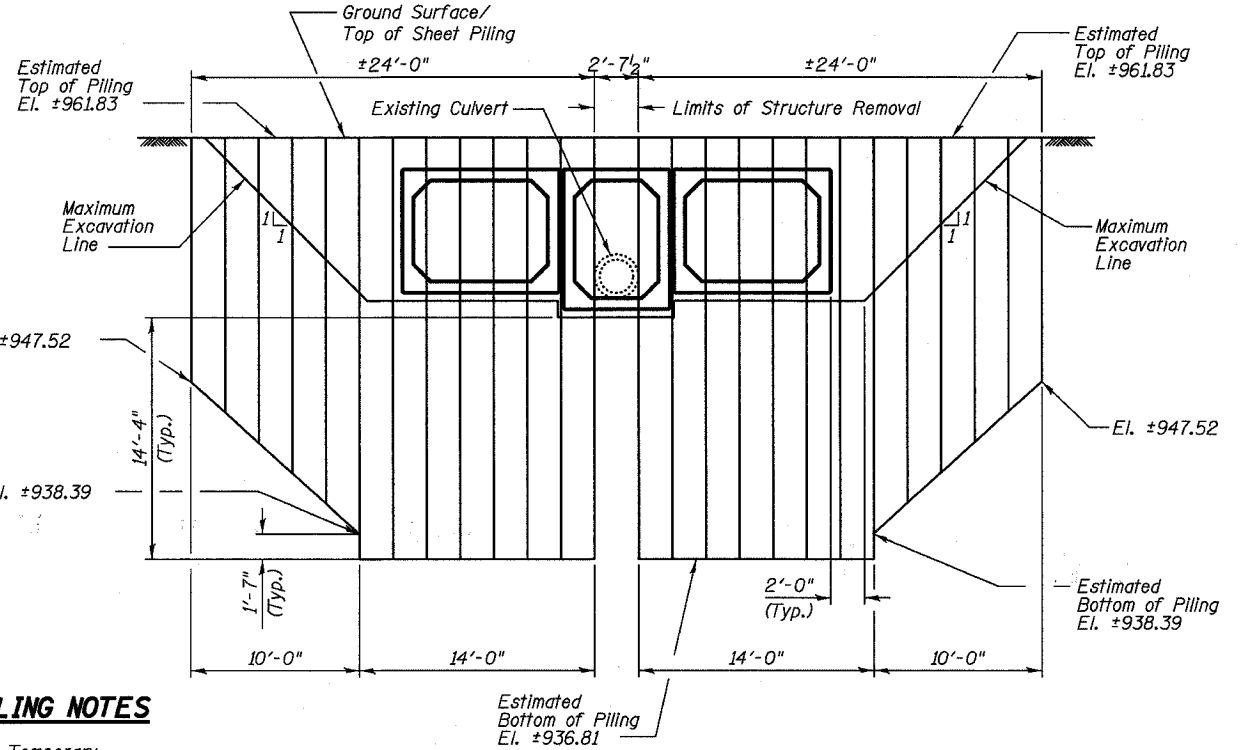


BACKFILL DETAILS

BACKFILL NOTES

1. Place type CA-5 porous granular material underneath the box culverts to the limits shown on the plans or as directed by the Engineer. Porous granular material shall be included in the cost for Precast Concrete Box Culverts. See Section 540 of the Standard Specifications.
2. Place type CA-5 or CA-7 porous granular embankment above the type CA-5 porous granular material to the bottom of the sub base granular material, as shown on the plans or as directed by the Engineer. To be paid for as Porous Granular Embankment.

NOTE:
Box culvert foundations bearing upon suitable natural soils shall be designed for a maximum net allowable soil bearing capacity of 2000 pounds per square foot.



TEMPORARY SHEET PILING NOTES

1. Minimum Section Modulus of the Temporary Sheet Piling shall be 19.5 in³/ft.
2. 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.
3. Hard driving may be encountered during the sheet piling installation. The Contractor shall provide the appropriate driving equipment for the soil conditions indicated on the boring logs.

TEMPORARY SHEET PILING DETAILS

**CONSTRUCTION DETAILS
AND BILL OF MATERIALS
U.S. ROUTE 14
(NORTHWEST HIGHWAY)
OVER TRIBUTARY 'A'
TO LAWRENCE CREEK
FAP 066 SECTION 21K&GJR
McHENRY COUNTY
STATION 107+00.00
STRUCTURE NO. 056-0075**

DESIGNED	RFS	EXAMINED	20
CHECKED	LLP	PASSED	ENGINEER OF BRIDGE DESIGN
DRAWN	JPG		ENGINEER OF BRIDGES AND STRUCTURES
CHECKED	RFS		
REVISED	3-31-05	KWN	

Rev. 4-14-05

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