Bench Mark: Chiseled square on top of northeast wingwall, Sta. 1340+04.90, 18.81' LT., Elev. 754.09.

Existing Structure: S.N. 062-0013 was originally built in 1928 as S.B.I. Route 88, Section 124-B. The structure consists of a single span cast in place concrete slab supported by closed concrete abutments. The back to back abutment length is 26'-0" and the out to out width is 36'-2". Structure to be removed and replaced.

Traffic Control: One lane of traffic will be maintained utilizing stage construction.

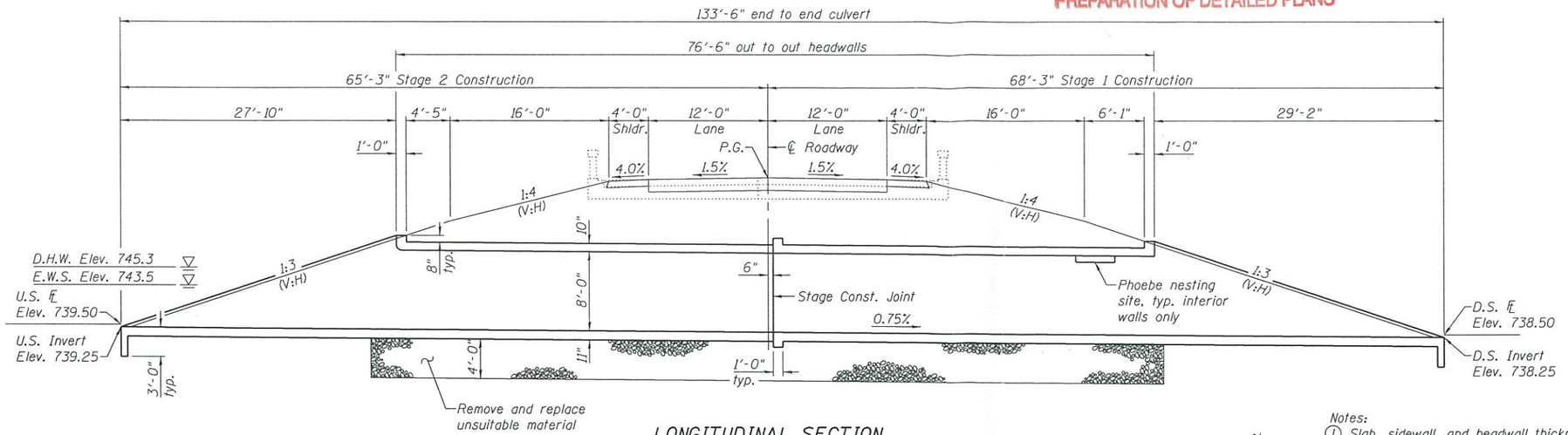
Salvage: None.

APPROVED
MAY 20 2015
AS A BASIS FOR
PREPARATION OF DETAILED PLANS

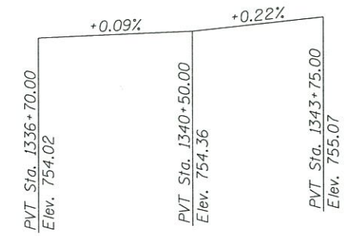
WATERWAY INFORMATION

Drainage Area = 0.855 sq. mi. Low Grade Elev. 755.0 at Sta. 1335+00

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Opening Sq. Ft. Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
	10	573	84	86	744.2	0.7	0.4	744.9	744.6
Design	50	968	109	113	745.3	0.9	0.8	746.2	746.1
Base	100	1,160	117	121	745.6	1.4	1.0	747.0	746.6
Max. Calc.	500	1,620	131	137	746.3	2.3	1.7	748.6	748.0



LONGITUDINAL SECTION
(Looking South)



PROFILE GRADE
(Along ℄ Roadway)

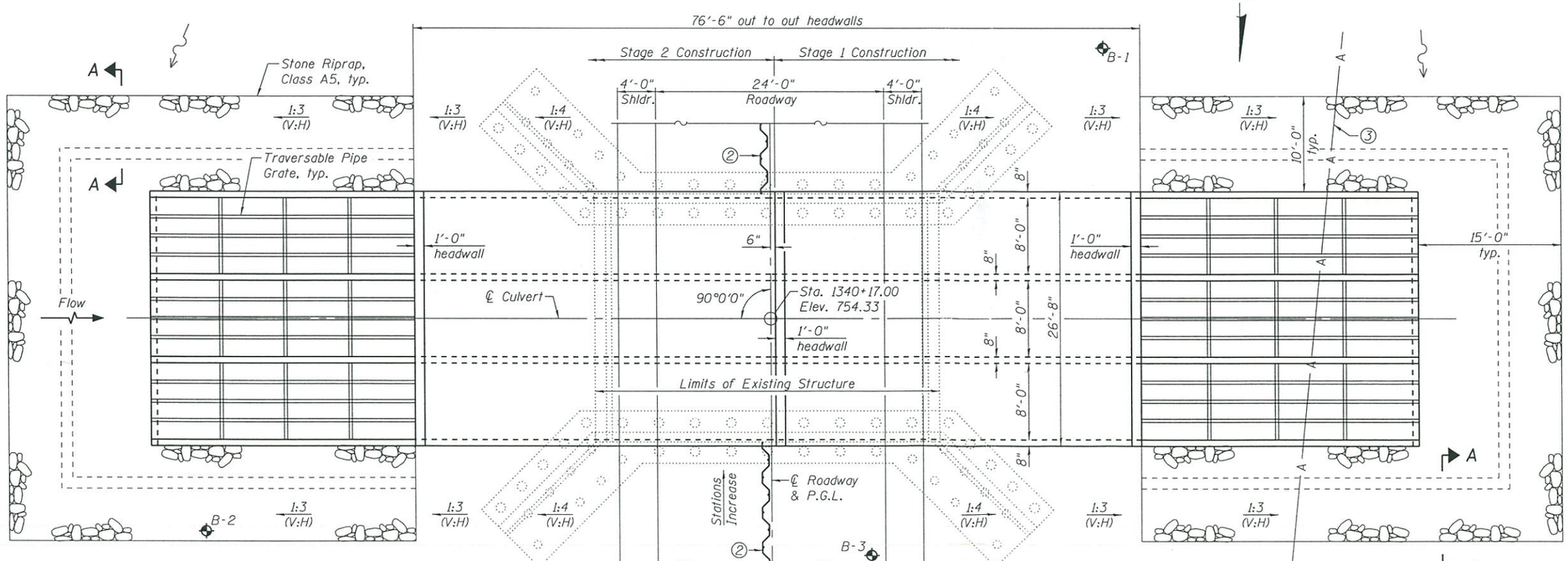
DESIGN SPECIFICATIONS
2014 AASHTO LRFD Bridge Design Specifications, 7th Edition

DESIGN STRESSES
FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

Notes:
1. Slab, sidewall, and headwall thickness may be refined in final design.
2. Temporary Soil Retention System.
3. Utility coordination to be completed by the District.
4. For Section A-A, see sheet 2 of 2.

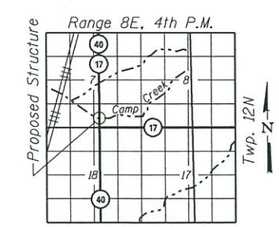
N



PLAN

HIGHWAY CLASSIFICATION
F.A.P. Rte. 646 - IL Rte. 40/17
Functional Class: Minor Arterial (Rural)
ADT: 1,750 (2009); 2,350 (2029)
ADTT: 184 (2009); 247 (2029)
DHV: 259
Design Speed: 55 m.p.h.
Posted Speed: 55 m.p.h.
Two-Way Traffic
Directional Distribution: 50:50

LOADING HL-93
Allow 50#/sq. ft. for future wearing surface.



LOCATION SKETCH

GENERAL PLAN & ELEVATION
IL RTE. 40/17 OVER CAMP CREEK
F.A.P. RTE. 646 - SEC. (124-B)BR
MARSHALL COUNTY
STATION 1340+17.00
STRUCTURE NO. 062-0087

FILE NAME = H:\P\29048\WO 1 SN062-0013 IL 40 over Camp Creek Phase 1\Structural\TSL\Microstation\0620087-68896-001-General Plan & Elevation.dgn

OATES ASSOCIATES Engineering + Architecture	USER NAME =	DESIGNED - JAD	REVISED -
		CHECKED - SJN	REVISED -
	PLOT SCALE =	DRAWN - JAD	REVISED -
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115	PLOT DATE = 3/3/2015	CHECKED - SJN	REVISED -

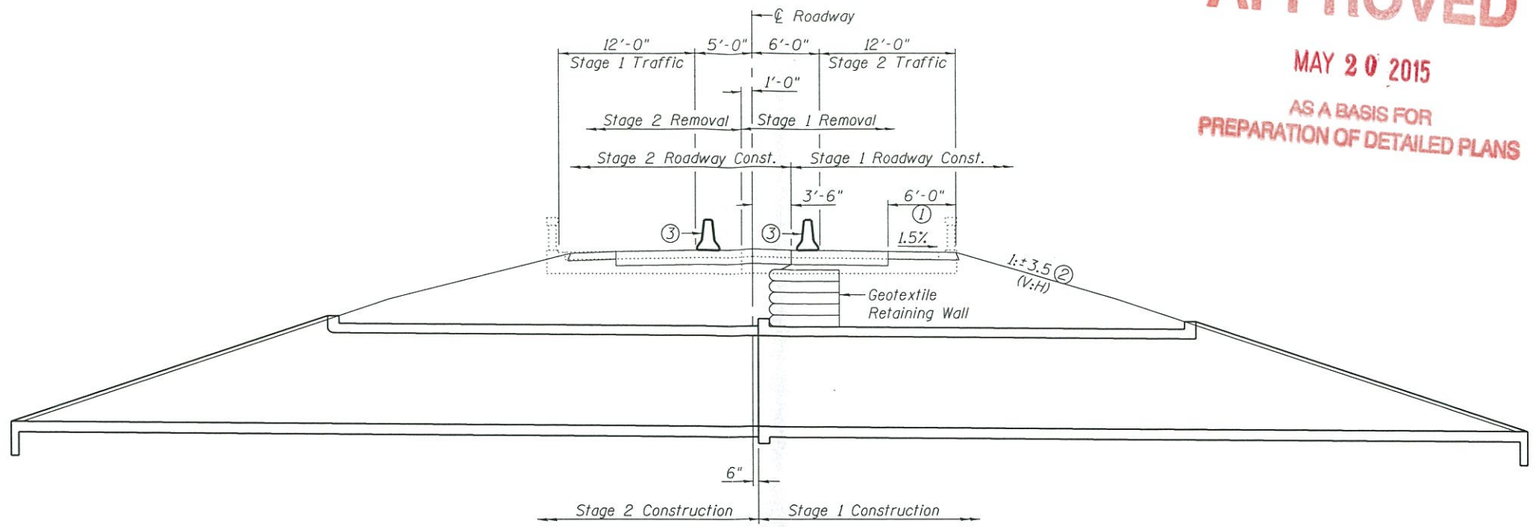
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. 1 OF 2 SHEETS

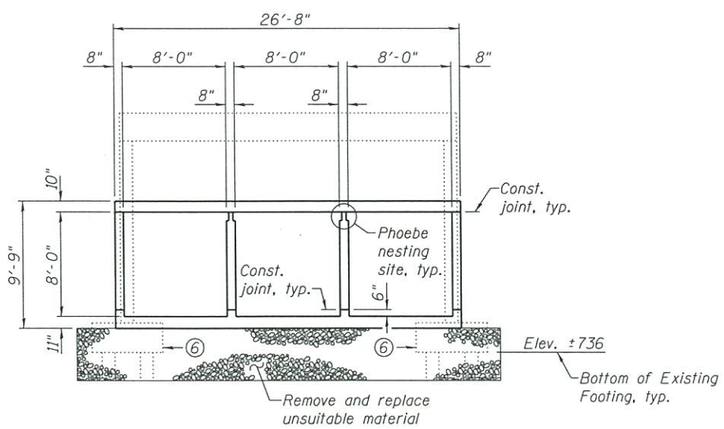
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	(124-B)BR	MARSHALL		

CONTRACT NO. 68896
ILLINOIS FED. AID PROJECT

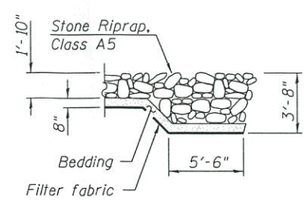
APPROVED
MAY 20 2015
AS A BASIS FOR
PREPARATION OF DETAILED PLANS



STAGE CONSTRUCTION DETAILS 5
(Looking South)



SECTION THRU BARREL 4



SECTION A-A

Notes:
1. Temporary pavement widening for Stage 2 Traffic.
2. Temporary slope for temporary pavement widening.
3. Temporary Concrete Barrier.
4. Slab, sidewall, and headwall thickness may be refined in final design.
5. For dimensions not shown see Longitudinal Section on sheet 1 of 2.
6. Existing concrete shall be completely removed to 2 feet beyond the horizontal limits of the proposed structure.

DETAILS
IL RTE. 40/17 OVER CAMP CREEK
F.A.P. RTE. 646 - SEC. (124-B)BR
MARSHALL COUNTY
STATION 1340+17.00
STRUCTURE NO. 062-0087

FILE NAME = H:\P\29848\WO 1 SN062-0013 IL 40 over Camp Creek Phase 1\Structural\TSL\Microstation\0620087-68896-002-Details.dgn

DATES ASSOCIATES Engineering + Architecture	USER NAME =	DESIGNED - JAD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - SJN	REVISED -			646	(124-B)BR	MARSHALL		
	PLOT SCALE =	DRAWN - JAD	REVISED -					CONTRACT NO. 68896		
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115	PLOT DATE = 3/3/2015	CHECKED - SJN	REVISED -		SHEET NO. 2 OF 2 SHEETS		ILLINOIS	FED. AID PROJECT		