APPROVED

SEP 2 0 2004

AS A BASIS FOR

~~PREPARATION OF DETAILED PLANS~~

Bench Mark: B.M. #2. Sta. 725+36, 96' Rt. Survey monument elevation 588.14

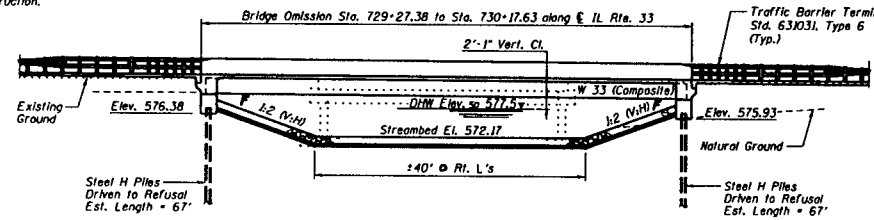
Existing Structure: S.N. 040-0001 built 1925 as S.B.I. Route 33 Section 6B. 45'-3" bk. to bk. abutments 25'-8" out to out deck. Simple Span R.C. T girder superstructure on closed abutments. Superstructure replaced and bridge widened to 33'-0" out to out deck in 1975. Structure to be removed and replaced utilizing stage construction.

No Salvage.

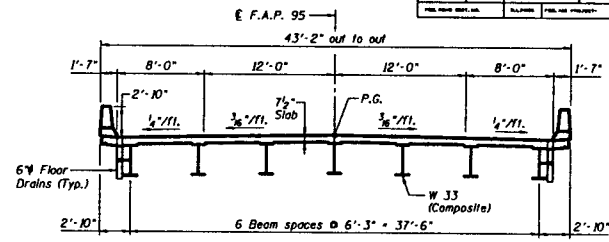
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP NO.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 95	68R-7	JASPER	-	-
PROJ. REPORT SEQUT. NO.		BUILDING	PROJ. NO. PROJECT	

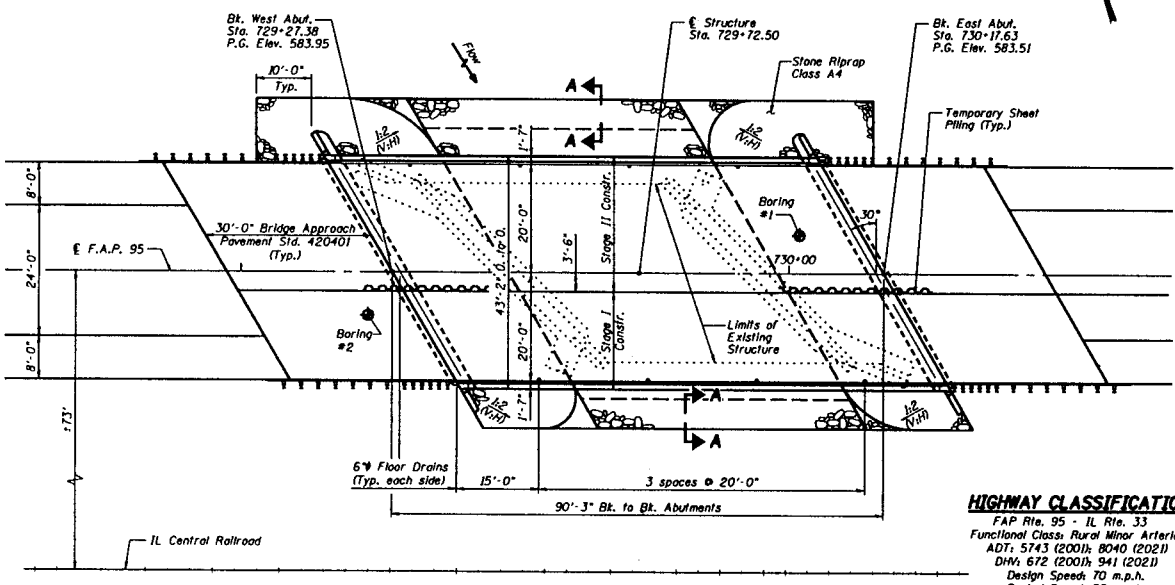
SHEET NO. 1
2 SHEETS



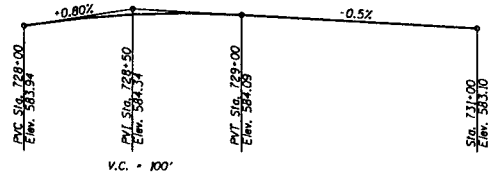
ELEVATION



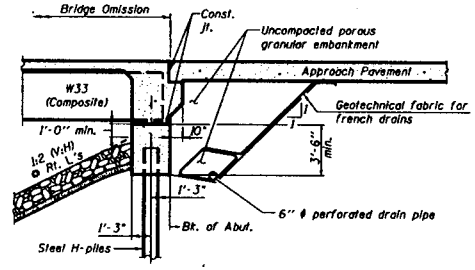
CROSS SECTION
(Looking East)



PLAN



PROPOSED PROFILE GRADE
(at ℄ Roadway)



SECTION THRU INTEGRAL ABUTMENT

HIGHWAY CLASSIFICATION

FAP Rte. 95 - IL Rte. 33
Functional Class: Rural Minor Arterial
ADT: 5743 (2001); 8040 (2021)
DHV: 672 (2001); 941 (2021)
Design Speed: 70 m.p.h.
Posted Speed: 55 m.p.h.

LOADING HS20-44

Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

2002 AASHTO

DESIGN STRESSES

FIELD UNITS

f'_c = 3,500 psi
f_y = 60,000 psi (reinforcement)
f_y = 50,000 psi (M270 Gr. 50 structural steel)

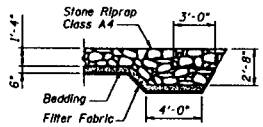
SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.073g
Site Coefficient (S) = 1.0

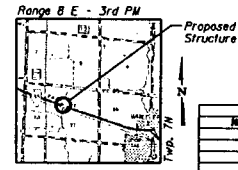
WATERWAY INFORMATION

Drainage Area = 2.23 sq. mi. — Exist. Low Grade Elev. 582.43 @ Sta. 728+00; Prop. Low Grade Elev. 582.43 @ Sta. 728+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	367	90	155	576.9	0.5	0.3	577.4	577.2
Design	50	549	108	199	577.5	0.8	0.4	578.3	577.9
Base	100	624	115	214	577.7	0.9	0.5	578.6	578.2
Overtopping	-	-	-	-	-	-	-	-	-
Max. Calc.	500	800	127	244	578.2	1.2	0.7	579.4	578.9



SECTION A-A



LOCATION SKETCH

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL PLAN

IL RTE 33 OVER WEST FORK OF BIG MUDDY CREEK
FAP RTE 95 - SECTION 68R-7
JASPER COUNTY
STATION 729+72.50
SN 040-0021

SCALE: VERT. HORIZ.
DATE: 5/17/04

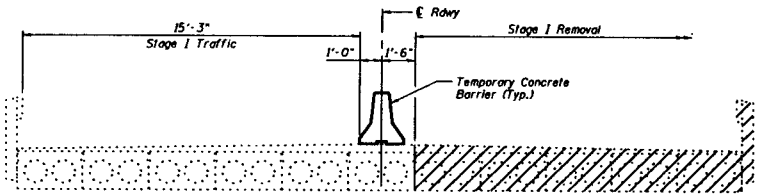
DRAWN BY: LAMOREY
DESIGNED BY: SANFORD
CHECKED BY: WATKINS

CONTRACT F.A.P. NO. 01256TSL
PROJECT 01256
5/15/04-MML

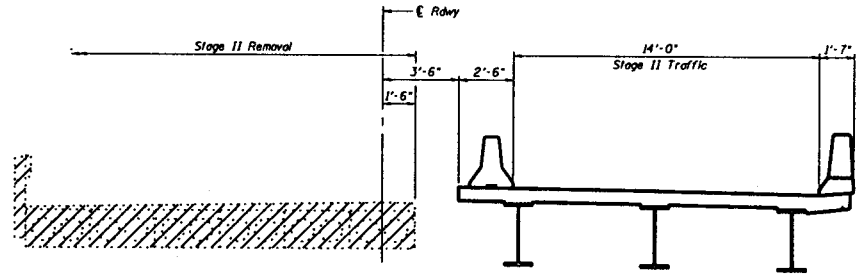
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAWN NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 95	68R-7	JASPER	-	-
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

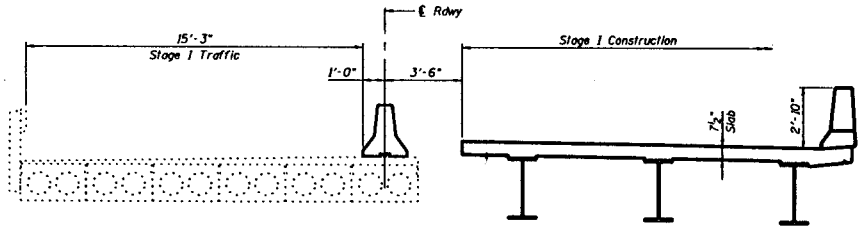
SHEET NO. 2
2 SHEETS



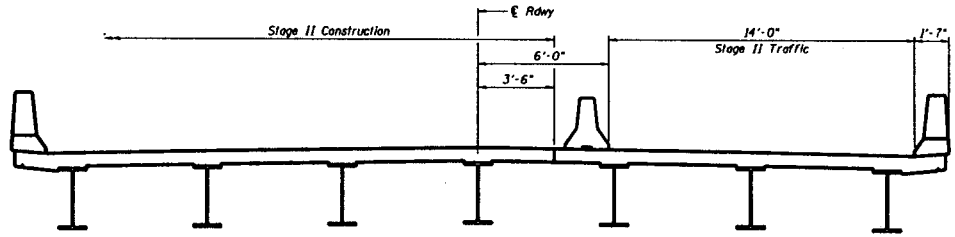
STAGE I REMOVAL



STAGE II REMOVAL



STAGE I CONSTRUCTION



STAGE II CONSTRUCTION

APPROVED

SEP 2 0 2004

AS A BASIS FOR
PREPARATION OF DETAILED PLANS

Note:
Hatched area indicates Removal of Existing Structure.
All cross-sections are looking East.
All dimensions are at right angles to ℄ Rdwy.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DETAILS

IL RTE 33 OVER WEST FORK OF BIG MUDDY CREEK
FAP RTE 95 - SECTION 68R-7
JASPER COUNTY
STATION 729+72.50
SN 040-0021

SCALE: VERT.
HORIZ.
DATE: 5/17/04

DRAWN BY: LANDRET
DESIGNED BY: SANFORD
CHECKED BY: WATKINS

ORIGINAL FILE NO.
01256TSL.STC

PROJECT 01256
5/15/04-MAL