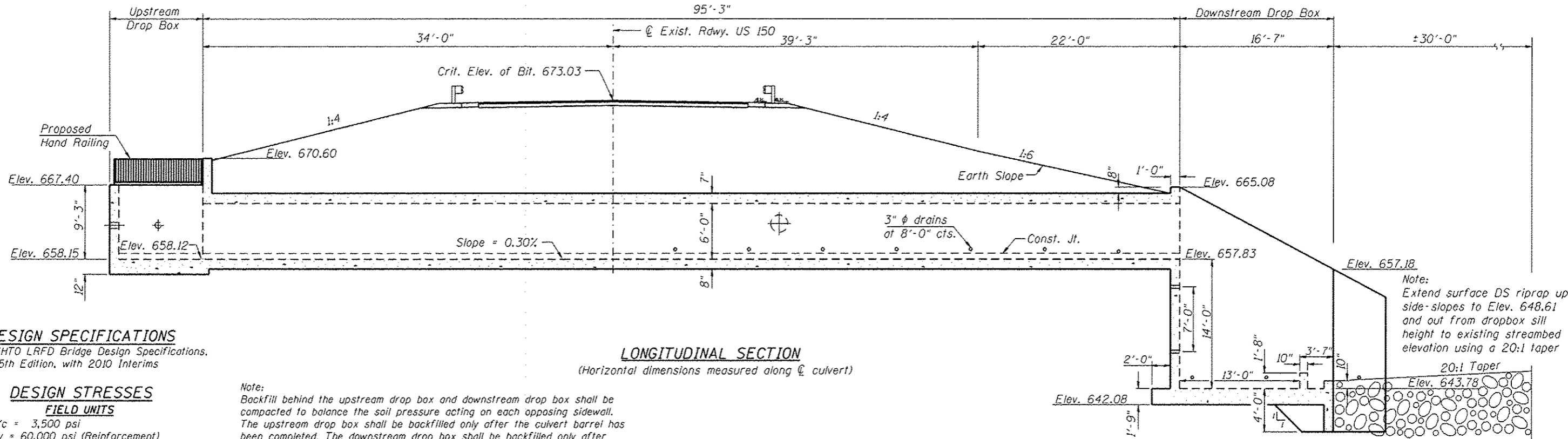


Benchmark: Outside N.E. corner of existing upstream concrete drop box, Elev. 667.084.

Existing Structure: SN 072-2507 consists of a RC box culvert 8' W x 8'H x 64' long with a RC drop box upstream and steel sheet pile wingwalls downstream. Structure is to be closed and traffic detoured during construction.

No Salvage.
Precast alternate is not allowed.



LONGITUDINAL SECTION

(Horizontal dimensions measured along centerline of culvert)

DESIGN SPECIFICATIONS
2010 AASHTO LRFD Bridge Design Specifications,
5th Edition, with 2010 Interims

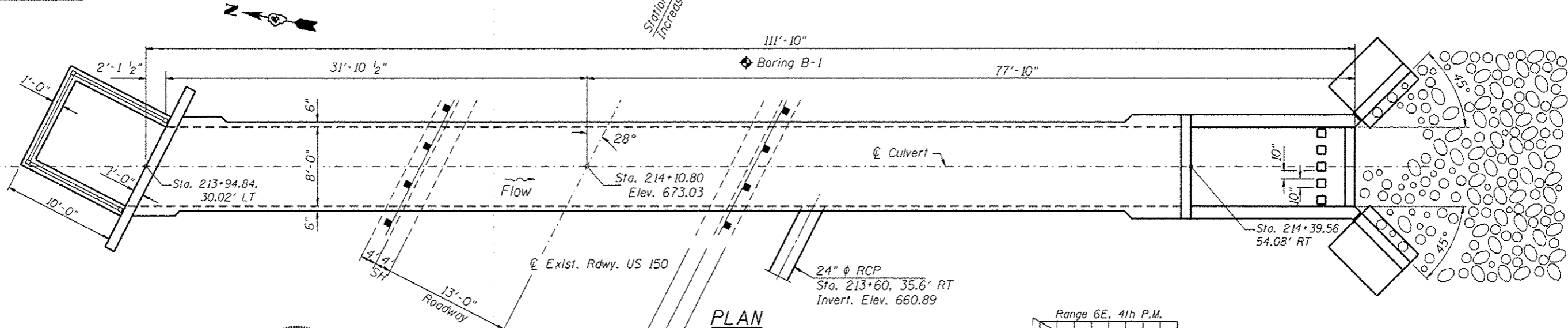
DESIGN STRESSES

FIELD UNITS

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

LOADING HL-93

Note:
Backfill behind the upstream drop box and downstream drop box shall be compacted to balance the soil pressure acting on each opposing sidewall. The upstream drop box shall be backfilled only after the culvert barrel has been completed. The downstream drop box shall be backfilled only after the downstream wingwalls have been completed.



PLAN

Streamstats Streamflow Characteristics

Statistic	Flow (ft ³ /s)
PK 50	104
PK 100	125
PK 500	174

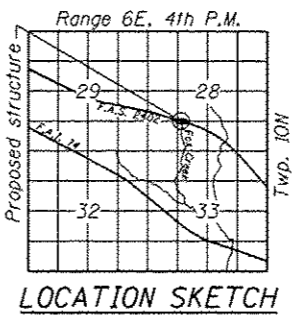
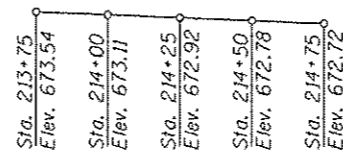


Martin J. Silvester
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State of Illinois No. 081-004873
Expires 11-30-2014
Date: 03-04-2013

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft.)	U.S.	D.S.
	657.15	639.78

PROFILE GRADE
(along centerline of Roadway)



GENERAL PLAN
FAS 2402 (US RTE. 150)
OVER FOX CREEK TRIBUTARY
SECTIONS (110,111,112,113)RS-3; 114RS-4; 112C-2
PEORIA COUNTY
STATION 214+10.8
STRUCTURE NO. 072-2511

FILE NAME	USER NAME	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN US 150 OVER FOX CREEK TRIBUTARY			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#	ADB	ADB	-		2402	(110, 111, 112, 113, 114)RS-2	PEORIA	76	46			
THE UPCHURCH GROUP, INC.	PLLOT SCALE	CHECKED	REVISED		SCALE:	SHEET NO. 1 OF 7 SHEETS	STA.	TO STA.	CONTRACT NO. 68614			
	PLLOT GATE	DATE	REVISED		ILLINOIS FED. AID PROJECT							