

ROUTE NO.	SECTION	COUNTY		TOTAL SHEETS	SHEET NO.
FAP 353	*	WILL		1235	639
FED. ROAD	DIST. #	ILLINOIS F	ED. AID	PROJECT	l

\* SECT. (12 & 13) WRS-3 \* CONTRACT NO. 52479

# DESIGN SPECIFICATIONS

SHEET NO. 11 SHEETS

AASHTO 2002 SPECIFICATIONS

#### LOADING HS20-44

ALLOW 50\*/SQ.FT.FOR FUTURE WEARING SURFACE.

### DESIGN STRESSES

FIELD UNITS

BY

Trust 7-6-10

3RD P.M. RANGE:12 E

WOLF RD.

appires 11-30-10

fy = 60,000 PSI (REINFORCEMENT)

PRECAST UNITS

f'c = 5,000 PSI fy = 60,000 PSI (REINFORCEMENT)

TOTAL BILL OF MATERIALS						
ПЕМ	UNIT	QUANTITY				
STONE RIPRAP,CLASS A6	TON	200				
FILTER FABRIC	SQ.YD.	170				
REMOVAL OF EXISTING STRUCTURES NO.4	EACH	- /				
REINFORCEMENT BARS	POUND	2,479				
TEMPORARY SHEET PILING	SQ.FT.	1,102				
NAME PLATES	EACH	1				
CONCRETE BOX CULVERTS	CU. YD.	17.0				
PRECAST CONCRETE BOX CULVERT 3' x 3'	FOOT	360.8				
GEOTEXTILE RETAINING WALL	SQ.FT.	95				
TEMPORARY DRAINAGE	FOOT	25				

## GENERAL NOTES

- I. REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A 706 GR 60. SEE SPECIAL PROVISIONS.
- 2. CAST-IN-PLACE BARREL SHALL BE POURED MONOLITHICALLY WITH WING WALLS.
- 3. EXPOSED EDGES SHALL HAVE A 3/4" CHAMFER.
- 4. IN ACCORDANCE WITH ARTICLE 540,04 OF THE STANDARD SPECIFICATIONS, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DVERT STREAM FLOW DURING CONSTRUCTION IN ORDER TO KEEP THE CONSTRUCTION AREAS FREE OF WATER. THE METHOD OF WATER DVERSION SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER AND THE COST SHALL BE INCLUDED WITH "REMOVAL OF EXISTING STRUCTURES NO 4" CLEAN FULL GRANDLAD WATERIAL STRUCTURES NO 4" CLEAN FULL GRANDLAD WATERIAL STRUCTURES NO.4". CLEAN FILL (GRANULAR) MATERIAL WILL ONLY BE ALLOWED.
- 5. THE PRECAST CONCRETE BOX CULVERT SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M259 (DESIGN FILL HEIGHT= 6'-0")
- 6.THE CONTRACTOR SHALL PREPARE IN-STREAM WORK PLANS (ALL COFFERDAMS, WORK PADS, AND EROSION AND SEDIMENT CONTROLETC, AND SUBMIT TO THE ENGINEER AND THE U.S. ARMY CORP OF ENGINEERS FOR REVIEW AND APPROVAL THE CONTRACTOR SHOULD EXPECT TO HAVE TO ATTEND MEETINGS AT THE USACOE OFFICE TO DISCUSS THEIR WORK PLAN IN ORDER TO SECURE THEIR PERMIT. THE COST OF ALL IN-STREAM WORK ITEMS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



DL Z 85 W. Algonquin Rd. Ste. 220

### CULVERT 'D' GENERAL PLAN

U.S. ROUTE 30 (LINCOLN HIGHWAY)

F.A.P. 353 (U.S. 30)

STATION 256+75.00

WILL COUNTY STRUCTURE NUMBER 099-C014

SECTION (12 & 13) WRS-3