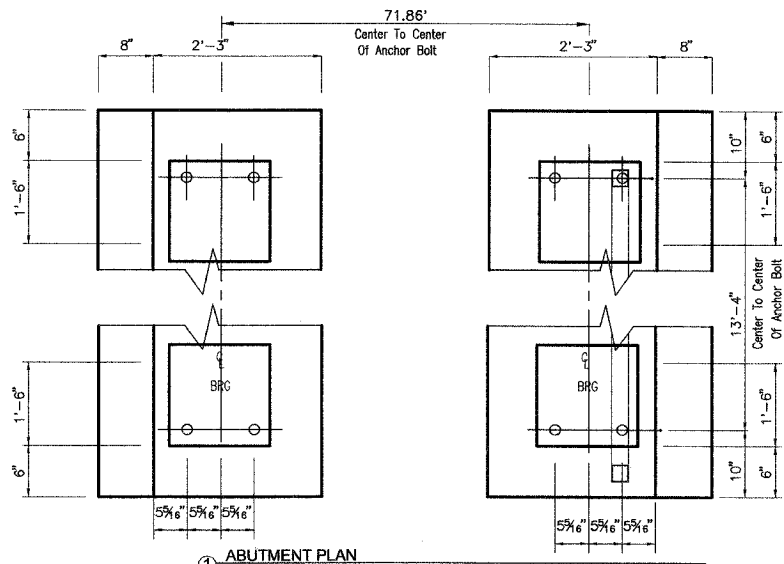
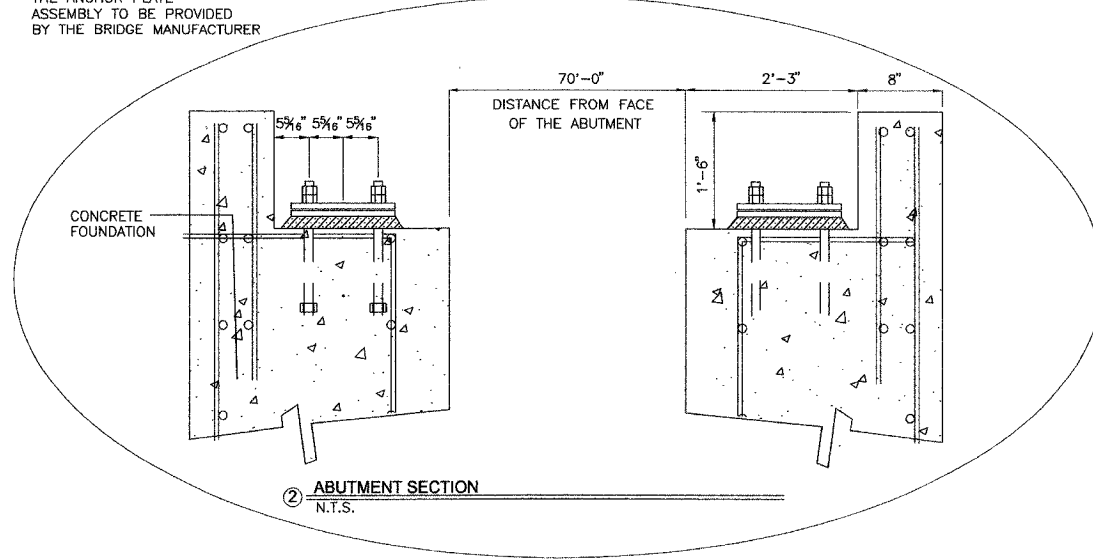


SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
00-00048-00-BT	COOK	39	20
STA. 9+95	TO STA. 31+58		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT	
CONTRACT NO. B3864			



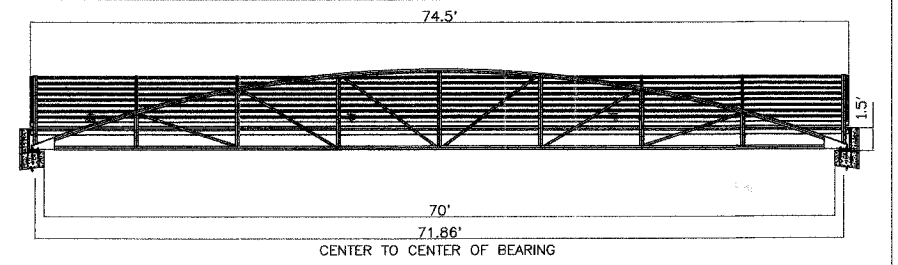
NOTE:  
THE ANCHOR PLATE ASSEMBLY TO BE PROVIDED BY THE BRIDGE MANUFACTURER

1 ABUTMENT PLAN  
N.T.S.

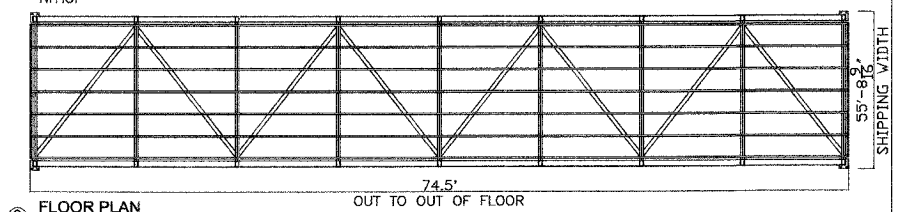


NOTE:  
CONTRACTOR IS TO VERIFY DIMENSIONS IN THE FIELD PRIOR TO ORDERING THE BRIDGE

2 ABUTMENT SECTION  
N.T.S.

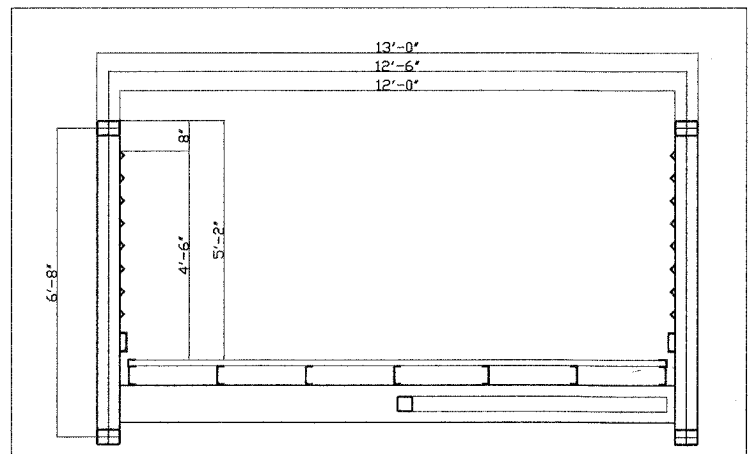


4 ELEVATION  
N.T.S.



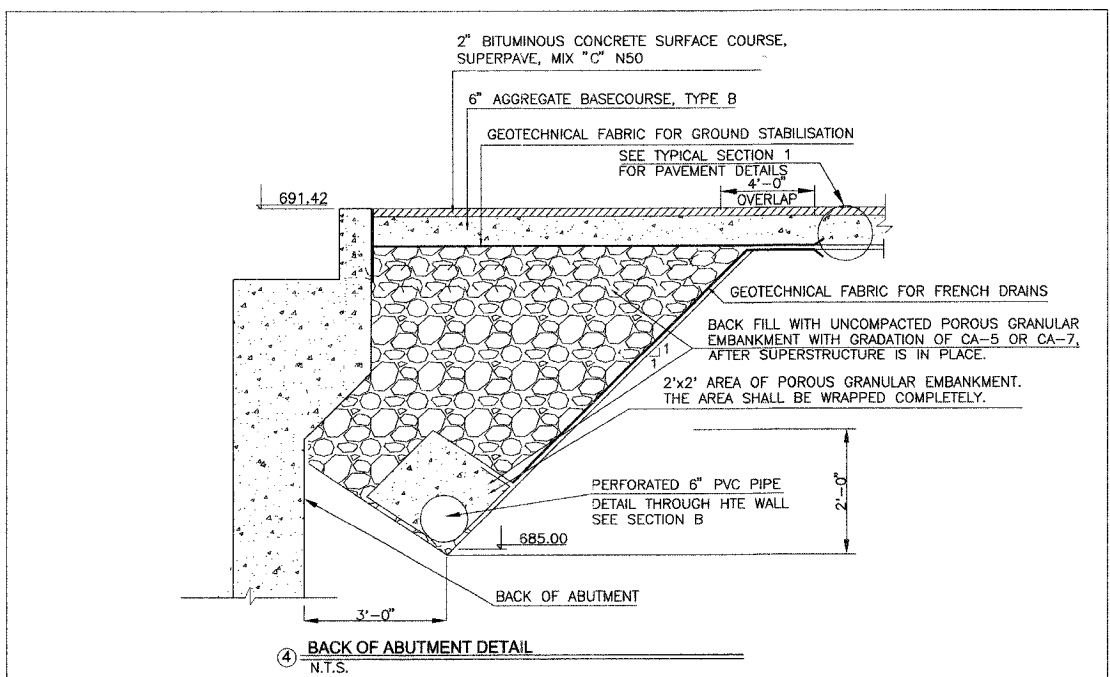
3 FLOOR PLAN  
N.T.S.

NOTE:  
CONTRACTOR IS TO VERIFY DIMENSIONS IN THE FIELD PRIOR TO ORDERING THE BRIDGE

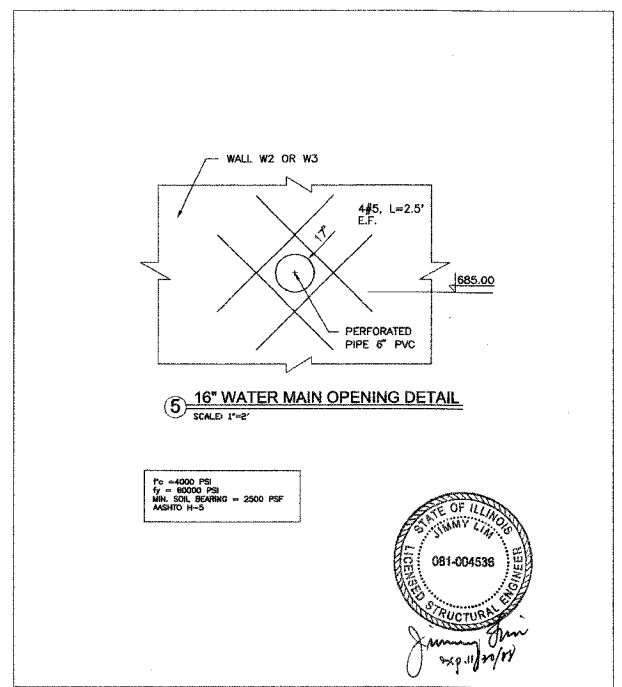


5 TYPICAL SECTION  
N.T.S.

NOTE:  
CONTRACTOR IS TO VERIFY DIMENSIONS IN THE FIELD PRIOR TO ORDERING THE BRIDGE

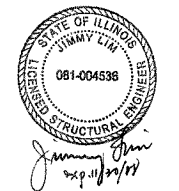


4 BACK OF ABUTMENT DETAIL  
N.T.S.



5 16" WATER MAIN OPENING DETAIL  
SCALE: 1"=2'

$f_c = 4000$  PSI  
 $f_y = 60000$  PSI  
MIN. SLL 504880 - 2500 PSF  
AASHTO H-5



505 N. LASALLE SUITE 250  
CHICAGO, IL 60610  
(312)467-0123



NOTES:  
THE CONTRACTOR AND THE BRIDGE FABRICATOR MUST STRICKLY ADHERE TO THE LOW BEAM ELEVATIONS, PROFILE GRADE OF THE STRUCTURE AND OTHER CONSTRAINTS OF THE DESIGN. NO VARIANCES WILL BE ALLOWED. THE CONTRACTOR MUST SUBMIT ACTUAL ELEVATIONS OF THE PROFILE GRADE TO THE ENGINEER FOR APPROVAL BEFORE DOING ANY WORK.  
  
THE DESIGN OF THE PROPOSED PEDESTRIAN BRIDGE SUPERSTRUCTURE AND SUBSTRUCTURE ELEMENTS COMPLIES WITH THE REQUIREMENTS OF THE '1997 AMERICAN ASSOCIATION OF STATE HIGHWAY TRANSPORTATION OFFICIALS (AASHTO) GUIDE SPECIFICATIONS FOR DESIGN OF PEDESTRIAN BRIDGES', AND THE '2002 AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES'.

WATER WAY INFORMATION TABLE									
DRAINAGE AREA = 9.5 SQ. MI.									
LOW GRADE ELEV. 689.50									
AT STATION 26+96.33 (SB & NB)									
MAX RECORDED H.W.E. N/A									
FLOOD	FREQUENCY (YR.)	DISCHARGE (CFS)	WATERWAY OPENING		NATURAL H.W.E.	CREATED HEAT		HEAD WATER ELEVATION	
			EXISTING (SQ. FT.)	PROPOSED (SQ. FT.)		EXISTING (FT.)	PROPOSED (FT.)	EXISTING (FT.)	PROPOSED (FT.)
FLOOD	10	475	N/A	421.90	690.26	0.00	0.0	690.26	690.16
DESIGN	25	560	N/A	421.90	690.76	0.00	0.0	690.76	690.66
BASE	100	700	N/A	421.90	691.56	0.00	0.0	691.56	691.56
OVERTOPPING	25	SEE ABOVE	N/A	N/A	N/A	N/A	N/A	N/A	690.96
MAX CALC	500	900		421.90	692.16	0.00	0.0	692.16	692.16

\* THESE ELEVATIONS ARE BASED ON FEMA MODEL.

DESIGN SPECIFICATIONS  
1997 AASHTO, 2002 AASHTO  
LOADING HS-5  
MATERIAL STRENGTH  
 $f_c = 4,000$  psi  
 $f_y = 60,000$  psi

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PRESERVATION BIKE PATH BRIDGE DETAILS (1)

SCALE: AS SHOWN  
DATE: MAY 04, 2007  
DRAWN BY: CC  
CHECKED BY: SC

I certify that to the best of my knowledge, information and belief, this bridge/box culvert design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current 'AASHTO Standard Specifications for Highway Bridges'.