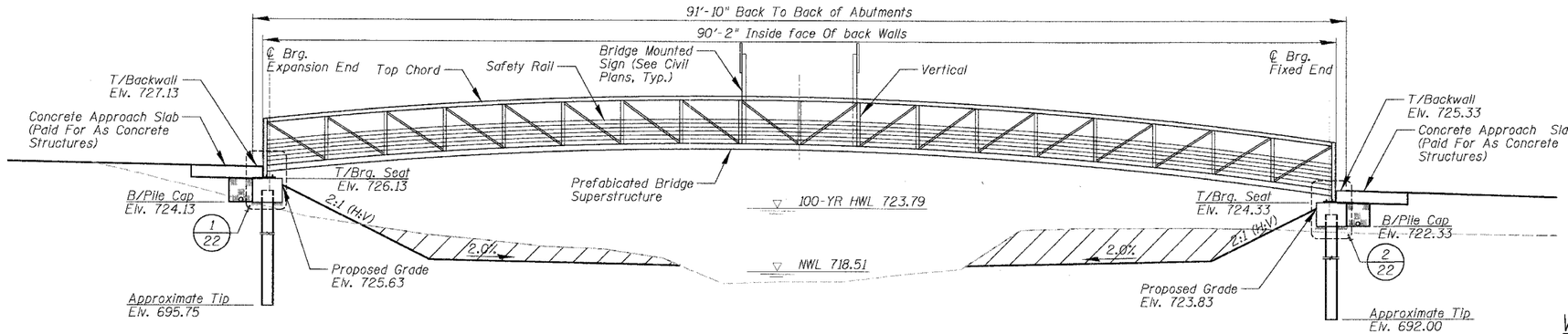
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	03-00084-00-BT	COOK	29	18
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83831

NOTE: Camber Overall Bridge Profile 2 1/2% Of The Bridge Length But At No Point Along The Bridge Shall The Deck Slope Be Greater Than 5%. Taking Into Account The Difference In Bearing Elevations. In Addition, All Truss Verticals Shall Be Plumb.

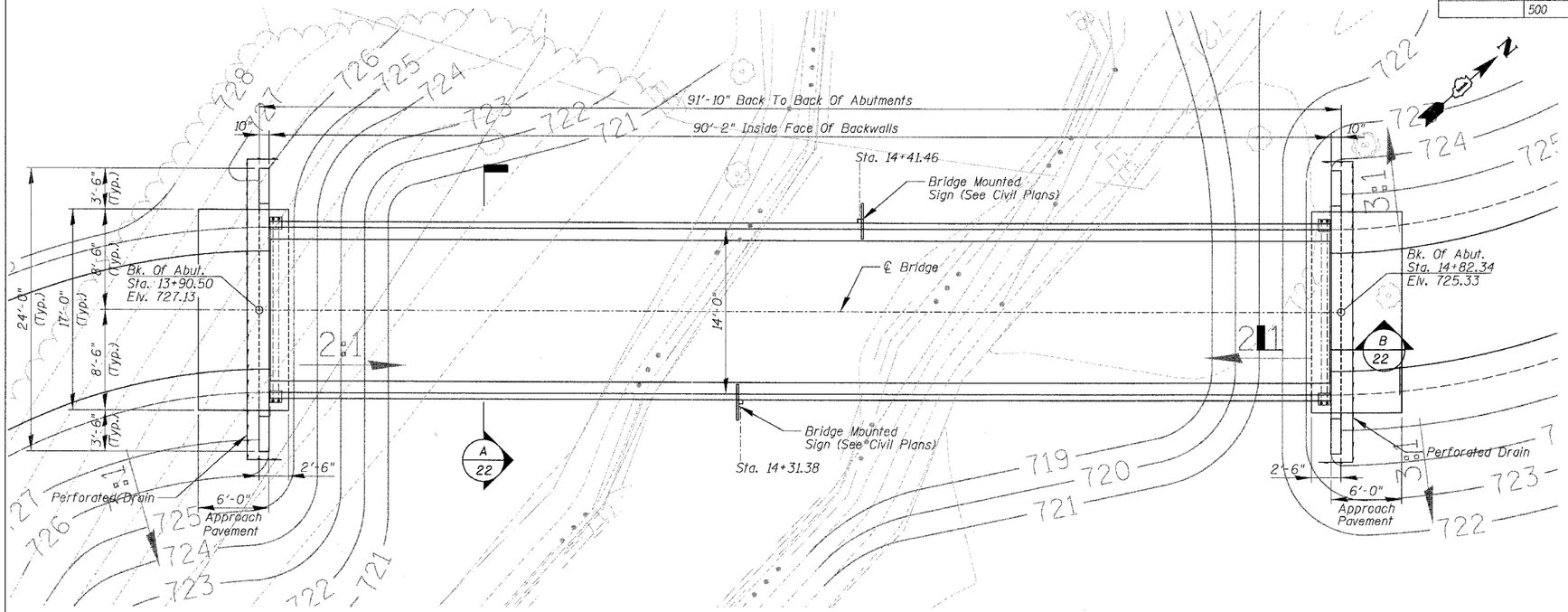


BRIDGE ELEVATION

Scale: 3/16" = 1'-0"

WATERWAY INFORMATION TABLE

DRAINAGE AREA = 16mi2			PROP. LOW BEAM EL. = 724.33			OVERTOPPING EL. = 725.33			
	FREQUENCY	DISCHARGE	WATER OPENING		NATURAL	CREATED HEAD		HEADWATER ELEVATION	
FLOOD	(YR.)	(CFS.)	EXISTING	PROPOSED	H.W.E.	EXISTING	PROPOSED	EXISTING	PROPOSED
	10	353	N/A	195.00	722.83	N/A	0.00	N/A	722.83
DESIGN	50	545	N/A	238.80	723.48	N/A	0.02	N/A	723.50
BASE	100	649	N/A	261.00	723.79	N/A	0.04	N/A	723.83
OVERTOPPING	>500								
	500	940	N/A	307.30	724.58	N/A	0.13	N/A	724.71

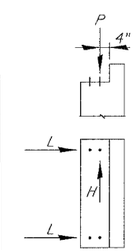


BRIDGE PLAN

Scale: 3/16" = 1'-0"

BRIDGE REACTION TABLE

ITEM	P (LBS) BRG.	H (LBS) ABUTMENT	L (LBS)
DEAD LOAD	13,000	---	
UNI. LIVE LOAD	22,680	---	---
VEHICLE LOAD	5,000	---	---
UPLIFT WIND 20 PSF	-10,125	---	---
WIND	±2,155	8,915	---
THERMAL	---	---	1300



All Footings Have Been Designed Based On The Bridge Reactions Shown
"P"- Vertical Load Per Base Plate
"H"- Horizontal Load Per Footing
"L"- Longitudinal Load Per Base Plate

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PEDESTRIAN BRIDGE PLAN AND ELEVATION

SCALE: VERT. HORIZ.
DATE 11/1/2005
DRAWN BY PDR
CHECKED BY WJS

N:\BROLMDWS\B9836\BR60\Struct\B361BR60-S2.PLN