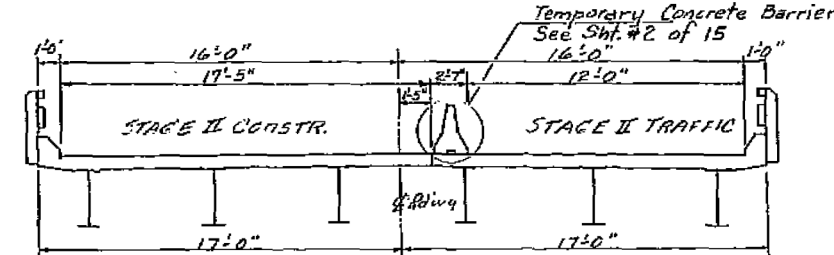
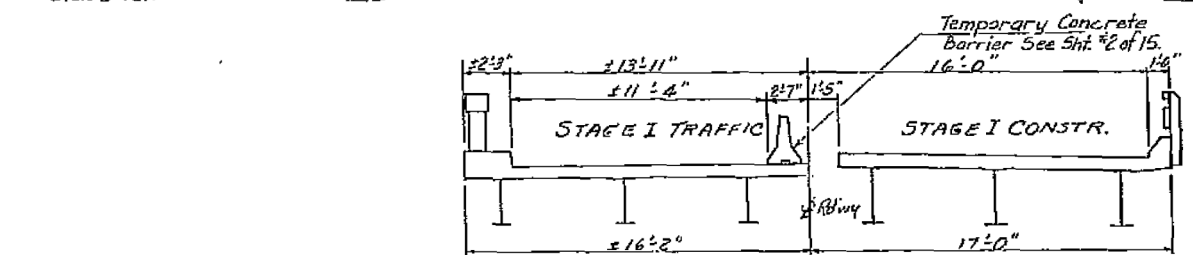
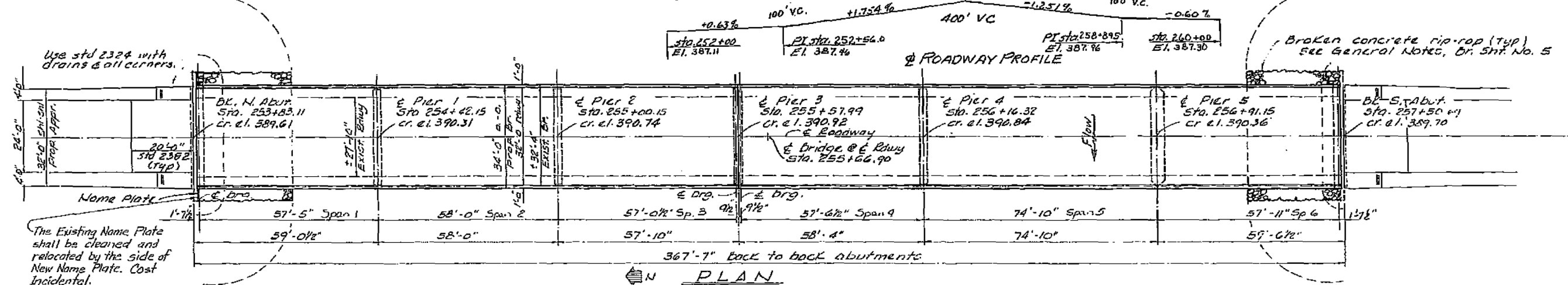
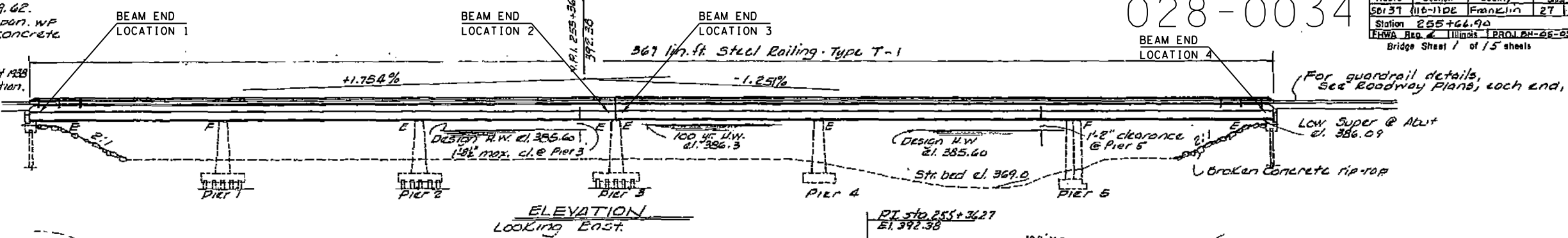


Route	Section	County	Total	Sheet
Sr 37	11B-1DE	Franklin	27	12
Station	255+66.90			
Proj. No.	BH-05-055(18)			
Bridge Sheet 1 of 15 sheets				

028-0034

3M, 1" cut in S.W. wingwall of Middle Fork Creek = Elev. 389.62. Exist Bridge = 2 tandem, 3 span. w/ corr. beams w/ R.C. slabs & concrete spandrel rail on closed R.C. piers & spill thru R.C. Abut. Structure No. 028-0034. Built 1983. No salvage. Stage construction. One way traffic to be maintained on bridge during construction.



STA. 255+66.90
BUILT 1983 BY
STATE OF ILLINOIS
SR 37 SEC 11B-1-DE
FA PROJ. 05-055(18)
LOADING HS-20
STR. NO. 028-0034

NAME PLATE - Sta 2113
1 required

Note: The temporary concrete Barrier placed during Stage I Construction shall not be removed until after the concrete Barrier for Stage II traffic is placed and traffic routed thru Stage II Roadway.
For Quantity of Temporary Concrete Barrier, see Roadway Plans.

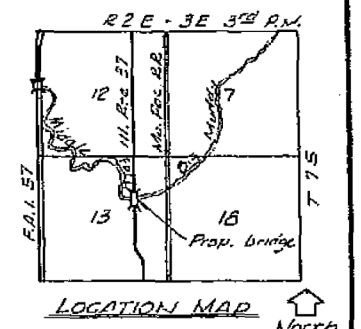
WATERWAY INFORMATION										
Drainage area - 212 sq. mi.		LOW grade elev. 384.27 @ Sta. 266+50								
Flood	Freq. (yrs)	Q (cfs)	Opening (sq. ft.)		Natural H.W. el.		Head (ft.)		Headwater elev.	
			EXIST.	PROP.	EXIST.	PROP.	EXIST.	PROP.	EXIST.	PROP.
DESIGN	50	12,450	3486	3486	385.60	0.52	0.52	386.12	386.12	
BASE	100	14,125	3734	3734	386.30	0.26	0.26	386.56	386.56	
OVERTOPPING	15	9,575	3014	3014	384.27	0.59	0.59	384.86	384.86	
MAX. CALC.	N.A.	-	-	-	-	-	-	-	-	-

DESIGN STRESSES
Super.
fc 3500 psi
fc (reinf.) 60,000 psi
fy (reinf.) 36,000 psi (M183)

Design Specs: AASHTO 1983 with 1984, thru 1985 interims. 25% ft² allowance made for future resurfacing.
Loading HS 20 - 44
* All reinf. in deck shall be epoxy coated.

James J. Kayfield
REGISTERED STRUCTURAL ENGINEER
ILLINOIS

TOTAL BILL OF MATERIAL			
Item	Unit	Super.	Sub
Class 2 Concrete	cu. yd.	311.3	27.4
Reinforcement Bars	lb.	2360	2360
Reinforcement Bars (Epoxy Coated)	lb.	83,450	-
Structural Steel	kip sq. ft.	1	1
Removal of Existing Superstructure	each	1	1
Steel Railing - Type T-1	lin. ft.	734	-
Floor Drains	each	50	-
Elastomeric Bearing Assembly - Type I	each	24	-
Elastomeric Bearing Assembly - Type II	each	12	-
Neoprene Expansion Joint (40)	lin. ft.	34	-
Preformed Joint Seal (2 1/2")	lin. ft.	68	-
Stud Shear Connectors	each	2344	-
PROTECTIVE COAT	sq. yd.	1426	-
Broken Concrete Rip-rap	sq. yd.	-	251
Concrete Removal	cu. yd.	-	82
Expansion Bolts 3/4 inch x 9 inch	each	-	102
Expansion Bolts 3/4 inch x 12 inch	each	-	53
Name Plates	each	1	-



GENERAL PLAN & ELEVATION
PROJECT BH-05-055(18)
RTE. SR 37
SECTION 11B-1-DE over
Middle Fork of Big Muddy R.
COUNTY Franklin
STATION 255+66.90

Note: For General Notes, see Bridge sheet No. 5.

FOR INFORMATION ONLY

