CONTRACT NO. 76902

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
785	134-1BR-2	MADISON	56	56B
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 785	134BR-2	MADISON	56	1
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT		

SHEET NO. 1
56 SHEETS

2M Concrete & Grout Repair of southeast abutment wingwall
Limit of Structure: E25+06, E124.60.00
Existing Structure Built on: F.A.P. Rte. 160 Sec. 134-B
Existing Bridge in 1968 Supervisor Sheet 2 of 2 sheets dated
Roadway Surface: 88'-0" wide, 2 spans @ 81'-0" steel Thru
Skew: 20°11'0" Rt. Ahead, Rt. Back
Existing Contractor shall remove existing superstructure. Traffic shall be moved and used as temporary detour structure. The Survey Work for Sta. 25+00.0 Backwards.

ELEVATION

CHANNEL CHANGE

PLAN

PROFILE LFA 67
(Top of Class 1)

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Bituminous Conc. Surface Type, Class 1	Tons	165		165
Removal of Existing Superstructure	Each	1		1
Concrete Removal	Cu. Yds.		35	35
Expansion Bolts 1" ϕ	Each		176	176
Structure Excavation	Cu. Yds.		76.3	76.3
Temporary Bridge Comp. 81'-0"	Each			1
Protective Coat	Sq. Yds.	181		181
Class X Concrete	Cu. Yds.	3.16	416.4	419.60
Precast Prestressed Conc. Dk. Panels (11")	Sq. Ft.	5851		5851
Aluminum Railing	Lin. Ft.	487		487
Reinforcement Bars	Lbs.	3960	31630	57590
Untreated Piles (30'-1 to 45'-1")	Lin. Ft.		3456	3456
Test Pile (Timber)	Each		3	3
Name Plates	Each	1		1
Precast Prestressed Conc. Dk. Elements	Sq. Ft.	4537		4537
Coal Tar Interlayer Protective Coat	Sq. Yds.	1121		1121
Pavt. Removal & P.C.C. Repl. Type 1 (10")	Sq. Yds.	11		11
Preformed Joint Sealer 2½"	Lin. Ft.	180		180

GENERAL NOTES

All reinforcement bars shall be vacant 24 diameters unless otherwise shown.

The Contractor shall drive ~~nine~~ test piles, two perimeter locations, 1 at ℄ Abut., 1 at E Abut and 1 at Pier 3 as directed by the engineer before ordering the remainder of piles.

Backfill shall be placed behind the abutment after the superstructure has been placed. See article 502.11 of the Standard Specifications.

It shall be the responsibility of the Contractor to verify all dimensions and conditions existing in the field prior to construction and ordering of materials.

An alternate strand pattern using 3/8" ϕ low relaxation prestressing strand (270 K.S.I.) is permitted.

The concrete rail section above MWL exam. shall be constructed of Class X Concrete, except that expansion joints shall conform to the requirements of Portland Cement Concrete.

Protective Coat shall not be applied to surfaces to which Coal Tar Interlayer Protective Coat is applied.

Expansion Bolts shall consist of self drilling expansion anchors and 4'-6" x 1" threaded bolts.

DESIGN STRESSES

FIELD UNITS
- f'_c 1100 psi (Sub)
- f'_c 1400 psi (Super)
- f'_c 3000 psi (Prest.)
- n (Hpt) (Rnf) n=10

PRECAST PRESTRESSED UNITS
- f'_{ci} 5000 psi
- f'_{ci} 6000 psi
- f'_c 8000 psi
- E_{ci} 4,896,000 psi
- E_{cv} 4,896,000 psi

Design Specifications 1969 AASHO (as applicable)

WATERWAY INFORMATION

Drainage Area	1775 Sq. Miles
Character	Rolling, with Wooded
Present Opening	349.56 Sq. Ft.
Head	419.56 Ft.
Proposed Opening	419.56 Ft.
Q100	18100 cfs.

LOADING H5 20-44

LOCATION SKETCH

STATION 623+90
BUILT 197 BY
STATE OF ILLINOIS
F.A.P. RT. 67 SEC. 134-BR
LOADING H320

NAME PLATE
See Std. 815

GENERAL PLAN & ELEVATION
FA 67 over CANOKIA CREEK
FA RTE 67 SEC. 134 BR
MADISON COUNTY
STA 623+90

DESIGNED	
CHECKED	
DRAWN	
CHECKED	

EXAMINED — June 7, 1971
PASSED
APPROVED

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EXISTING BRIDGE
PLANS
FYI
FAP ROUTE 785
SECTION 134-1BR-2
MADISON COUNTY

PLOT DATE = 3/22/2007
FILE NAME = c:\projects\ed8869\plan\dn823a.dgn
PLOT SCALE = 28.000 ' / IN.
USER NAME = cementa