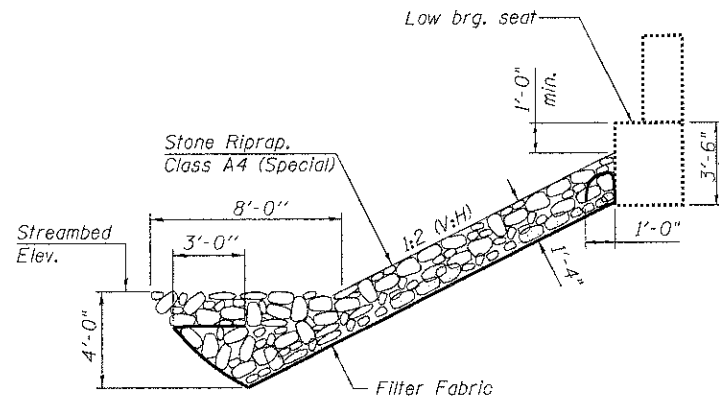


GENERAL NOTES

1. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.
2. Reinforcement bars designated (E) shall be epoxy coated.
3. Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
4. The Contractor shall drive test piles to 110% of the nominal required bearing specified in the production location at substructures specified or approved by the Engineer before ordering the remainder of piles.
5. Backfill behind the Abutments shall be placed after the Superstructure is in place.
6. All proposed construction activities shall be in accordance with Nationwide Permit number 14 of the Department of the Army authorized under section 404 of the Clean Water Act.
7. Seal coat thickness design is based on the Estimated Water Surface Elevation (EWSE). Cofferdam design details and proposed changes in seal coat thickness shall be submitted to the Engineer for approval with the cofferdam design.
8. Construction Permits: This project has been approved for construction under Statewide permit No. 12 as issued by the Department of Natural Resources/ Office of Water resources.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub.	Total
Removal of Existing Structures	Each			1
Hot-Mix Asphalt Surface Course Mix C, N50	Ton	50		50
Waterproofing Membrane System	Sq. Yd.	442		442
Concrete Structures	Cu. Yd.		146.2	146.2
Precast Prestressed Concrete Deck Beams (27" Depth)	Sq. Ft.	3840		3840
Steel Bridge Rail, Type SM	Foot	275		275
Reinforcement Bars, Epoxy coated	Pound		13,970	13,970
Furnishing Steel Piles HP 12x74	Foot		950	950
Driving Piles	Foot		950	950
Test Pile Steel HP 12 X 74	Each		2	2
Stud Shear Connectors	Each		56	56
Name Plates	Each	1		1
Filter Fabric	Sq. Yd.		1766	1766
Stone Riprap, Class A4 (Special)	Ton		744	744
Portland cement mortar fairing course	Foot	823		823
Structure Excavation	Cu. Yd.		98	98
Cofferdam Excavation	Cu. Yd.		240	240
Cofferdam (Type 2) Location 1 (Pier 1)	Each		1	1
Cofferdam (Type 2) Location 2 (Pier 2)	Each		1	1
Seal Coat Concrete	Cu. Yd.		163	163
Concrete Encasement	Cu. Yd.		4.8	4.8



SECTION A-A

DESIGN SCOUR ELEVATION TABLE

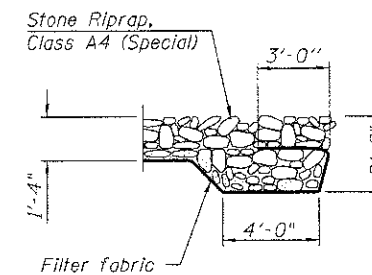
Design Scour Elevation (ft.)	W. Abut.	Pier 1	Pier 2	E. Abut.
	550.54	535.15	535.15	550.37

WATERWAY INFORMATION TABLE

Drainage Area = 43.10 Sq. MI. Low Grade Elev. = 558.60 @ Sta. 127+60.00

Flood Yr.	Freq.	Q C.F.S.	Waterway Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	20	5150	983	983	554.0	0.2	0.3	554.2	554.3
Base	100	7950	1200	1200	555.7	0.2	0.3	555.9	556.0
Overtopping									
Max. Calc.	500	10984	1370	1370	556.6	0.5	0.5	557.4	557.4

10 YEAR VELOCITY EXISTING BRIDGE = 4 ft/s
 10 YEAR VELOCITY PROPOSED BRIDGE = 4 ft/s



SECTION B-B

BRUSH CREEK
 BUILT 20... BY
 SANGAMON COUNTY
 SEC. 08-00085-00-BR
 F.A.S. 684 STA. 122+30
 STR. NO. 084-3414 LOADING HL-93

NAME PLATE
 See Std. 515001

USER NAME *	DESIGNED - KRG	REVISED -
PLOT SCALE = NONE	CHECKED - MJK	REVISED -
PLOT DATE =	DRAWN - GSJ	REVISED -
	CHECKED - MJK	REVISED -

MID-AMERICA ENGINEERING SERVICES
 SPRINGFIELD ILLINOIS

GENERAL DATA
 STRUCTURE NO 084-3414

SHEET NO. 2 OF 14 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
624	08-00085-00-BR	SANGAMON	32	11
STRUCTURE NO. 084-3414			CONTRACT NO. 93585	
STA. 122+30			ILLINOIS FED. AID PROJECT	