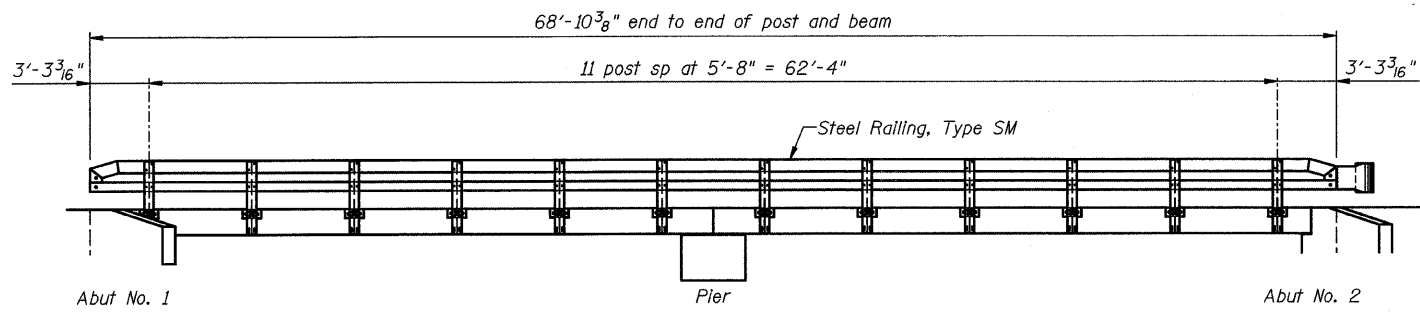


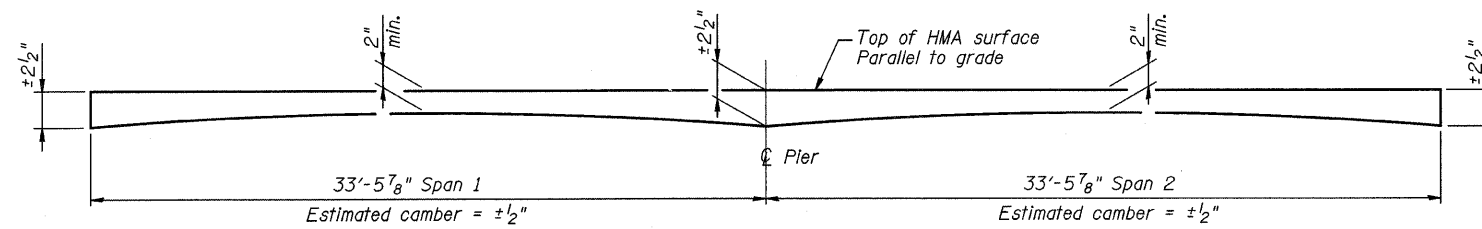
Sheet No. 2
of 10 Sheets

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 549	*	MACON	52	12
FED. ROAD DIST. NO. 7		ILLINOIS	PROJECT	

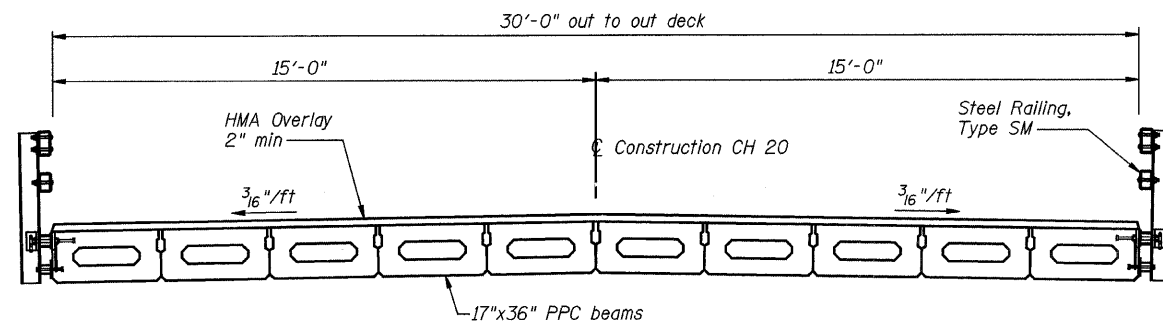
*03-00184-00-BR



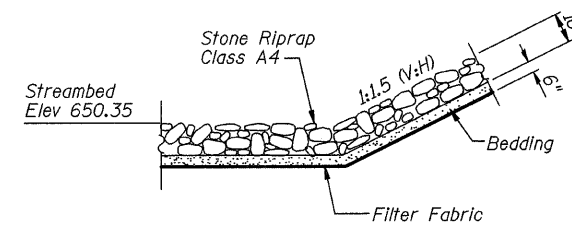
ELEVATION OF STEEL RAILING



HMA WEARING SURFACE PROFILE



PROPOSED CROSS SECTION



STONE RIPRAP DETAIL

TOTAL BILL OF MATERIAL

Item	Unit	Quantity
Removal of Existing Structures	Each	1
Channel Excavation	Cu Yd	31
Structure Excavation	Cu Yd	136
Stone Riprap, Class A4	Sq Yd	493
Filter Fabric	Sq Yd	493
Concrete Structures	Cu Yd	53.8
Precast Prestressed Concrete Deck Beams (17" Depth)	Sq Ft	2005
Reinforcement Bars, Epoxy Coated	Pound	4450
Steel Railing, Type SM	Lin Ft	138
Furnishing Metal Pile Shells, 12"	Foot	483
Driving Piles	Foot	483
Test Pile Metal Shells	Each	1
Name Plates	Each	1
Controlled Low Strength Material	Cu Yd	68
Waterproofing Membrane System	Sq Yd	223
Terminal Markers Direct Applied	Each	4
Hot Mix Asphalt Surface Course, Mix "C" N50	Ton	31

GENERAL NOTES:

Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.

The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at substructures specified or approved by the Engineer before ordering the remainder of piles.

All Construction joints shall be bonded.

See Roadway Plans for additional riprap limits.

Reinforcement bars designated (E) shall be epoxy coated.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

CH 20 OVER TRIBUTARY TO STEVENS CREEK

DETAILS AND BILL OF MATERIAL

REVISIONS	CH 20	SECTION 03-00184-00-BR	DRAWN BY DATE
1		SN 058-3370	R KING 6/09
2		MACON	CHECKED BY DATE
3		COUNTY	JMB 6/09
4			BOOK NUMBER
5			PROJECT NO.
6			4901
7			SHEET NO.
8			
9			
10			

HOMER L. CHASTAIN & ASSOCIATES, LLP
CONSULTING ENGINEERS
184-001977
DECATUR CHICAGO
(817) 422-8544 (773) 714-0650
ROCKFORD
(815) 489-0650