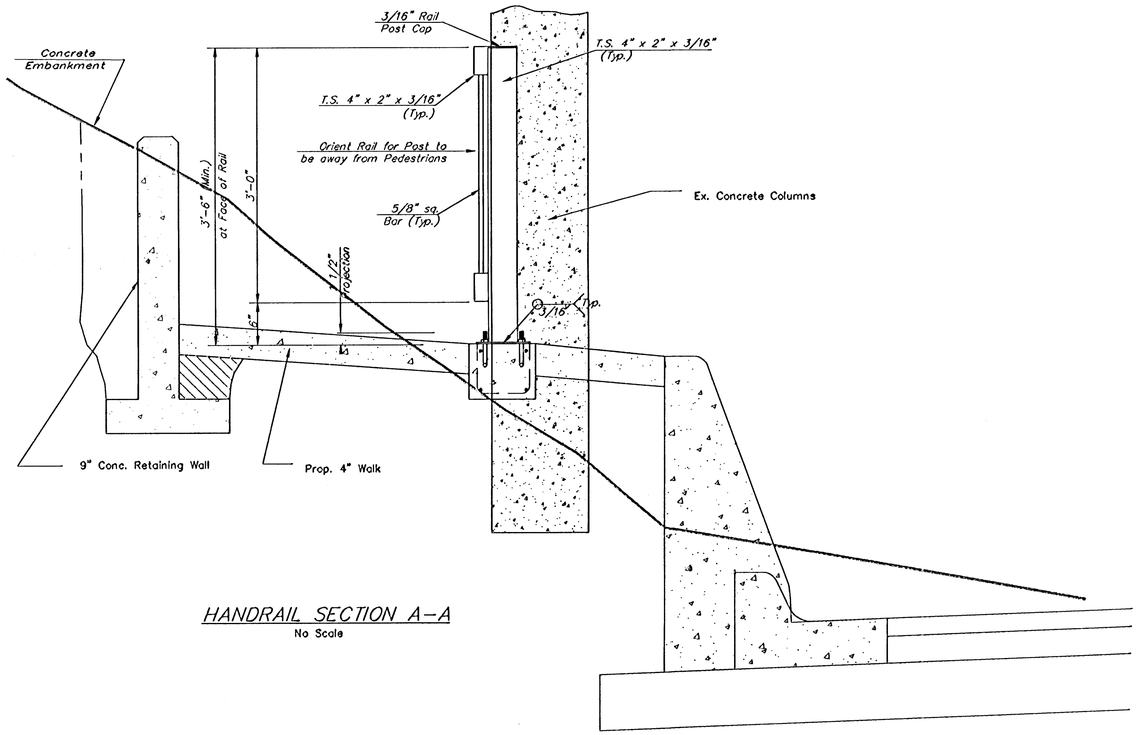
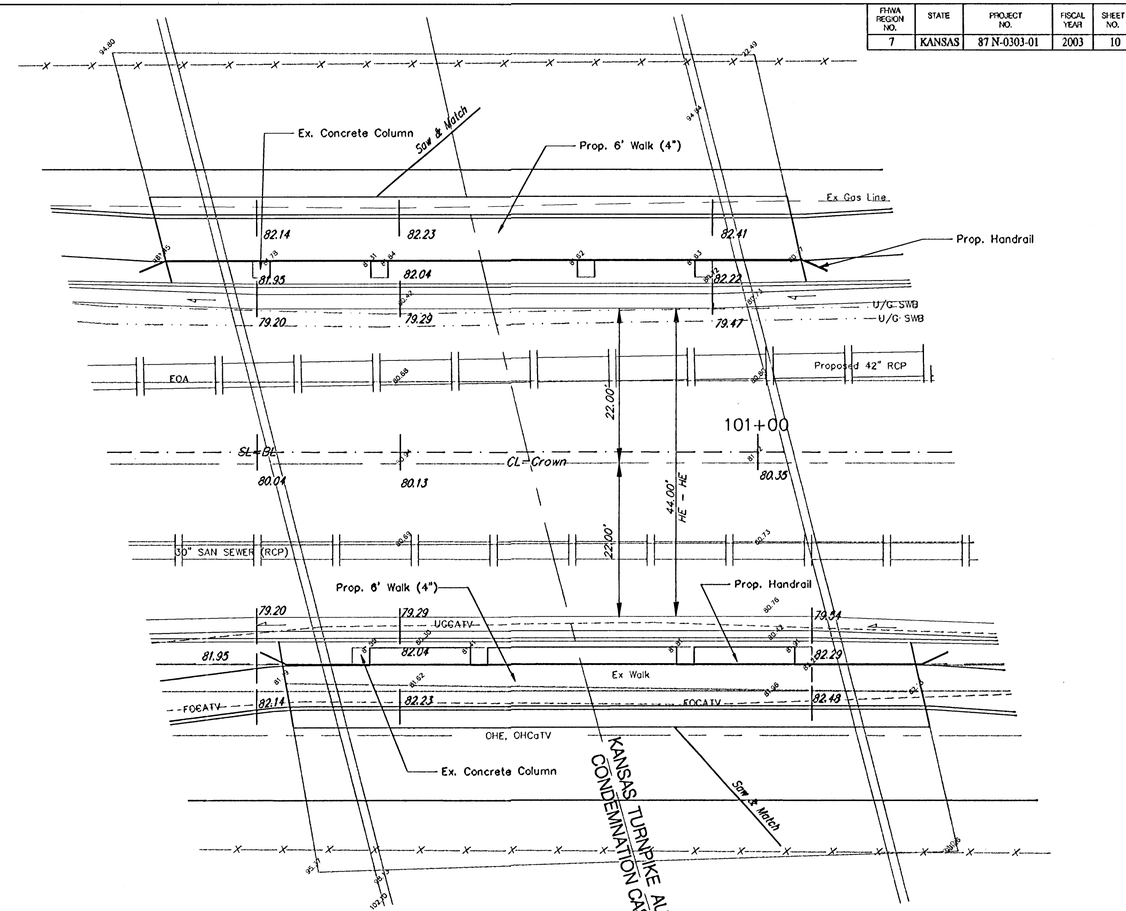
FHWA REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87 N-0303-01	2003	10	143



HANDRAIL SECTION A-A

No Scale



GENERAL NOTES

The horizontal members of the rail and posts shall be hollow structural tubing. All structural steel and tubing shall comply to A.S.T.M. Designation A36 or A500 Grade B respectively.

Rail shall be fabricated in lengths as shown.

Posts and bars shall be set vertical and shimmed if required.

The Handrail shall be sandblasted prior to painting.

The Handrail shall be painted shop and field with an Zinc/Water Borne Acrylic paint system complying with the Standard Specifications for State Road and Bridge Construction, 1990 Edition Kansas Department of Transportation. Color of paint shall be "Yellow" and shall be approved by the Engineer before application.

Material and construction shall conform to the Structural Welding Code A.W.S. D1.1-88.

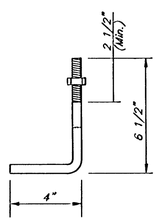
Shop details must be submitted to and approved by the Engineer.

All dimensions are ± and shall be field verified.

Class A Concrete (AE) - 4000 p.s.i. @ 28 days.

Rebar - A615, #4, Gr. 60

Chamfer exposed edges 3/4" (Typical).

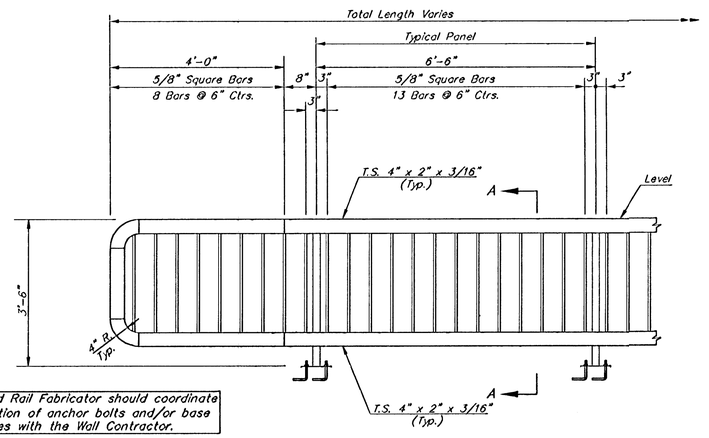


Galvanized (ATSM A153)

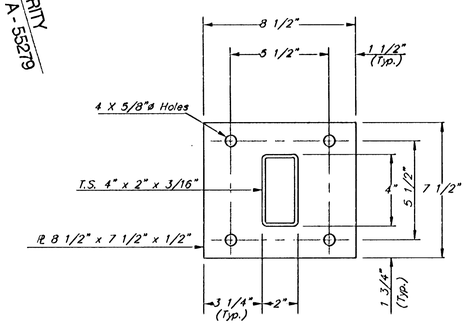
(May Substitute expandable anchor bolts when approved by the Engineer)

ANCHOR BOLT *

Orient to provide min. 2" edge clearance to either top of footing or adjacent bolts.



* *Hand Rail Fabricator should coordinate location of anchor bolts and/or base plates with the Wall Contractor.*



BASE PLATE

(30 Required)

PROJECT NUMBER			SHEET NAME	ENGINEERING DIRECTORY	
472-83902			Handrail	F:\Hydraulic_Phs2\Details	
DESIGN	DRAWN	APPROVED	DATE	SCALE	BAUGHMAN NO
JFB	Azlere	JFB	Aug 03	None	99-09-E451

CAPITAL IMPROVEMENT PROJECT

HAND RAIL DETAIL

HYDRAULIC AVENUE PAVING - PHASE 2

BAUGHMAN COMPANY, P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

SHEET 10 OF 143