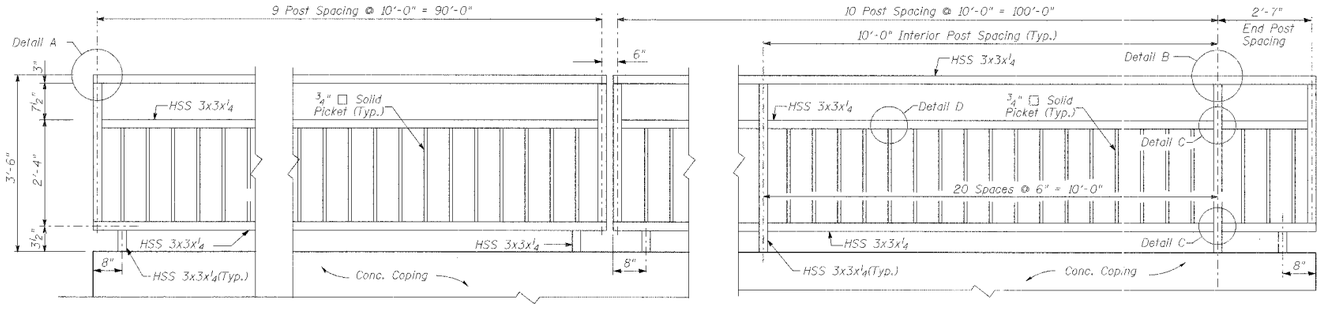
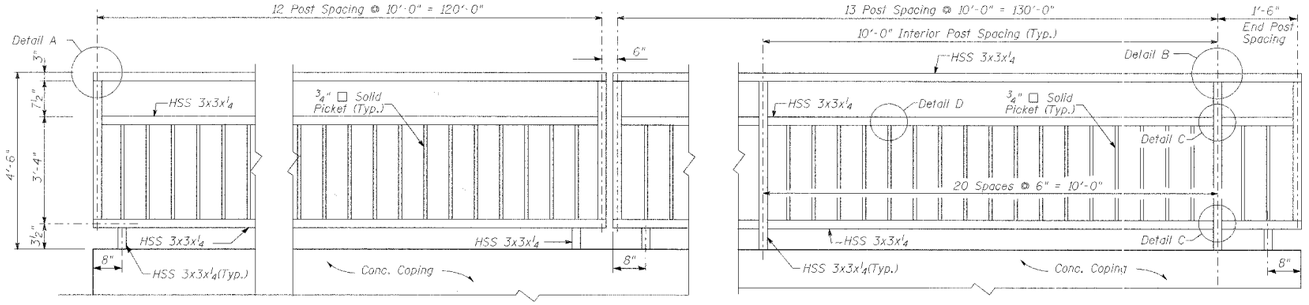
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2666	00-00254-01-BR	LAKE	70	56
STA. 98+50		TO STA. 107+57		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

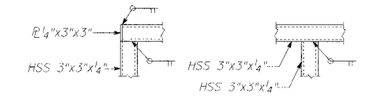
Sheet 33 of 35 Sheets
PROJECT NO. BHM-8003(213)
CONTRACT NO. 83875

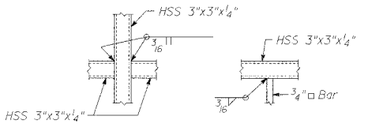


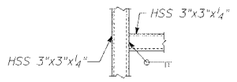
PEDESTRIAN RAILING
(Looking West N.T.S.)

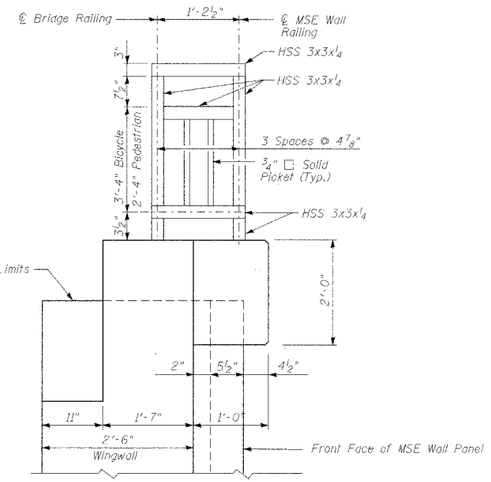


BICYCLE RAILING
(Dimensions given along ℄ Railing)
N.T.S.

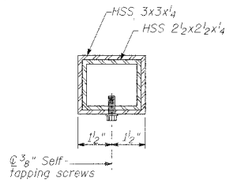


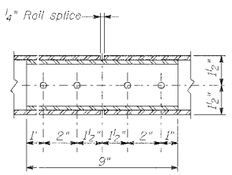




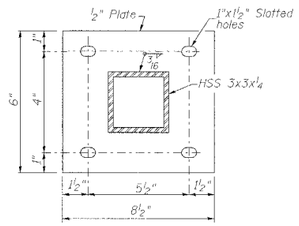


PEDESTRIAN OR BICYCLE RAILING AT WINGWALLS
(See Detail-A Sheet 32 of 35)

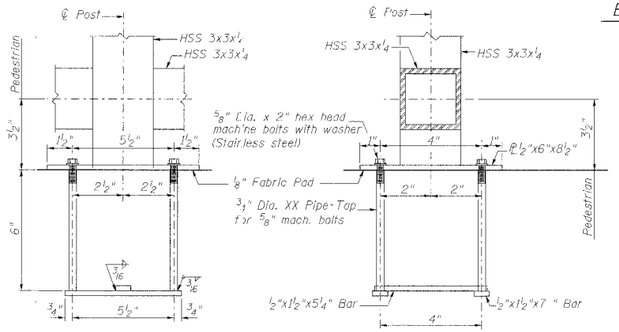




RAIL SPLICE



BASE PLATE



ANCHOR BOLT DETAILS

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and epoxy grouting 5/8" dia. anchor rods. Embedment shall be according to the manufacturer's specifications.

BILL OF MATERIAL

Item	Unit	Quantity
Pedestrian Railing	Foot	194
Bicycle Railing	Foot	253

NOTES

1. Railing shall be according to Section 509 of the Standard Specifications, except as noted, and will be paid for at the Contract Unit Price per foot for Pedestrian Railing or Bicycle Railing.
2. Hollow structural steel tubing shall conform to the requirements of ASTM designation A 500, Grade B, structural steel tubing.
3. Hollow steel pipes shall conform to the requirements of ASTM A53 and shall be "standard weight."
4. All other steel shapes and plates shall conform to the requirements of AASHTO M 270 Grade 36.
5. All posts, railing, splices, anchor devices, and bent plates shall be painted using the Organic Zinc-rich/epoxy/urethane paint system. The color of the final coat for all bicycle and parapet railings shall be Black Color C900 as produced by Carboline or equal. Final color shall be coordinated with the Engineer prior to fabrication. See special provision for "Cleaning and Painting Bicycle and Parapet Railing."
6. If the option of drilling and epoxy grouting the anchor rods is chosen, the Contractor shall use the capsule or the adhesive cartridge type anchor rods that have been previously tested and given a prior approval by the Department. The Contractor shall install these anchor rods in pre-drilled holes according to the manufacturer's recommendations and procedures. The capsule or the adhesive cartridge shall be sealed with premeasured amounts of the adhesive chemical.
7. Space reinforcement to miss anchor rods.

REVISIONS NAME	DATE

CMT
CRAWFORD MURPHY & TILLY, INC.
CONSULTING ENGINEERS
SPRINGFIELD, IL ■ AURORA, IL ■ ST. LOUIS, MO
ROCKFORD, IL ■ PEORIA, IL ■ CHICAGO, IL

LAKE COUNTY DIVISION OF TRANSPORTATION
PEDESTRIAN AND BICYCLE RAILING
BUFFALO GROVE ROAD
AT INDIAN CREEK BRIDGE
SECTION 00-00254-01-BR STATION 101+50.00
LAKE COUNTY STRUCTURE NO. 049-3043
SCALE: NONE DRAWN BY: TBW
DATE: 7/21/06 CHECKED BY: ATI, WK

BICYCLE RAILING

PLAN / PROFILE — SURVEYED, DRAWN, ELEVATIONS CHECKED, QUANTITIES CHECKED, NOTE BOOK, SHEET NO., ENGINEER NOTATING CHKD, BY, DATE

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