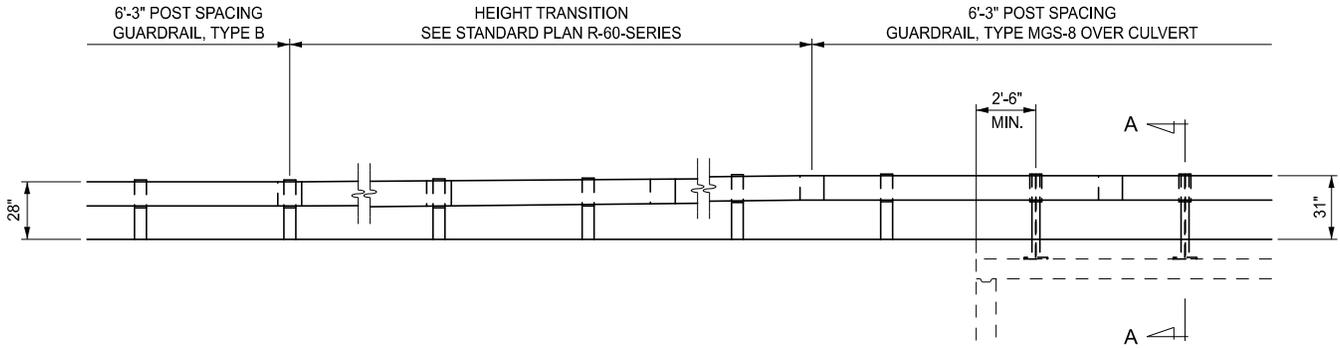
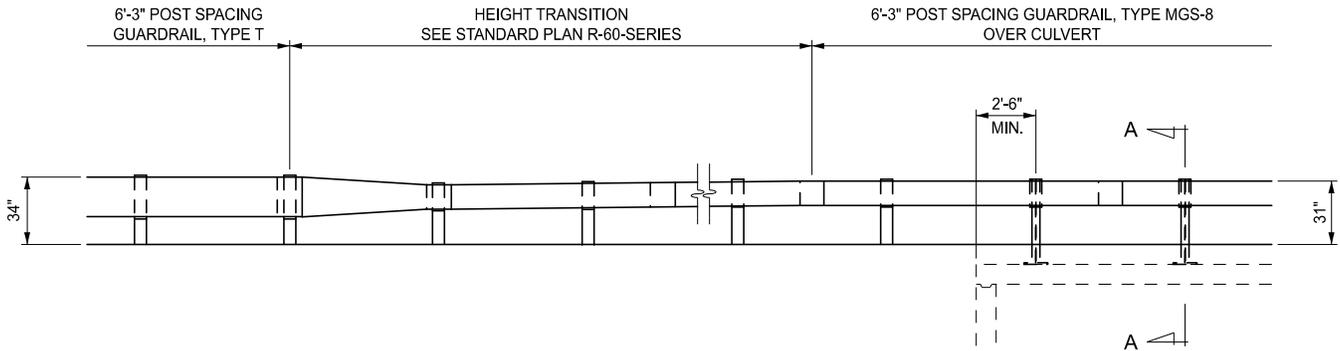


PLAN VIEW

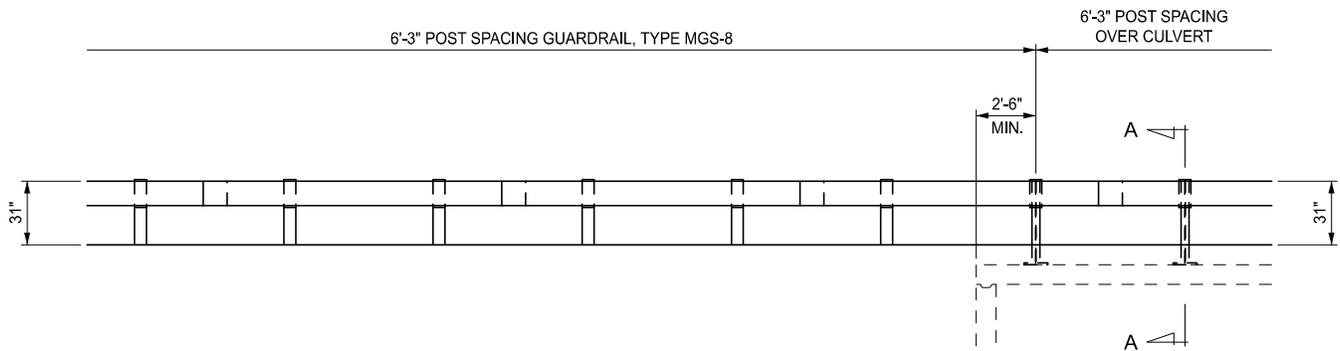
NORMAL SHOULDER + 2'-0" OR
MATCH EXISTING GUARDRAIL
ALIGNMENT WHEN APPLICABLE



ELEVATION SHOWING GUARDRAIL, TYPE B



ELEVATION SHOWING GUARDRAIL, TYPE T



ELEVATION SHOWING GUARDRAIL, TYPE MGS-8

APPROVED BY: _____
DIRECTOR, BUREAU OF FIELD SERVICES

APPROVED BY: _____
DIRECTOR, BUREAU OF DEVELOPMENT



DEPARTMENT DIRECTOR
BRADLEY C. WIEFERICH, PE

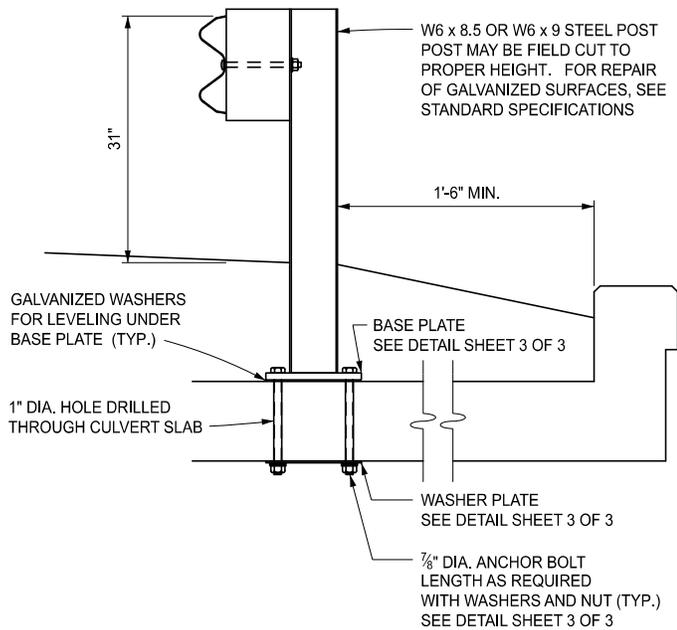
STANDARD PLAN FOR
GUARDRAIL OVER BOX OR SLAB CULVERTS

(SPECIAL DETAIL)
FHWA APPROVAL

08/01/2019
PLAN DATE

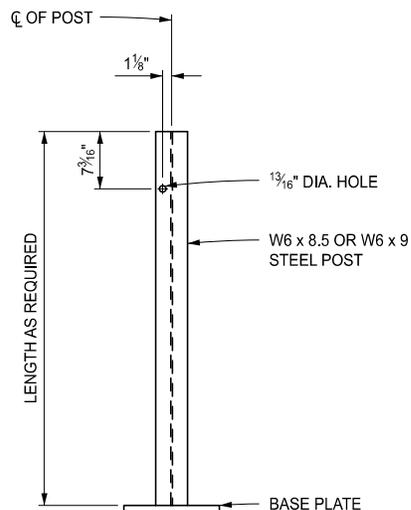
R-73-F

SHEET
1 OF 3

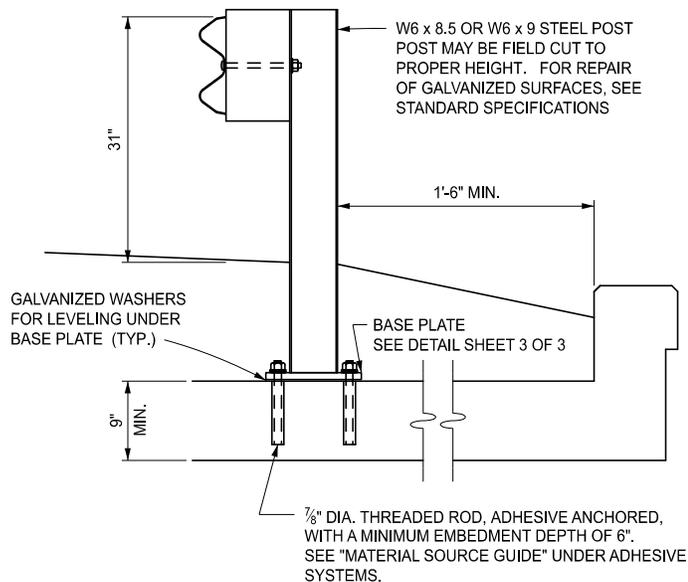


SECTION A - A

PREFERRED CONSTRUCTION METHOD

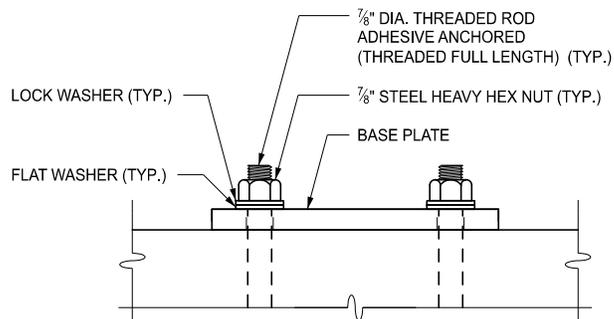


STEEL POST DETAIL FOR GUARDRAIL, TYPE MGS-8



SECTION A - A

ALTERNATE CONSTRUCTION METHOD



ANCHOR DETAIL



DEPARTMENT DIRECTOR
BRADLEY C. WIEFERICH, PE

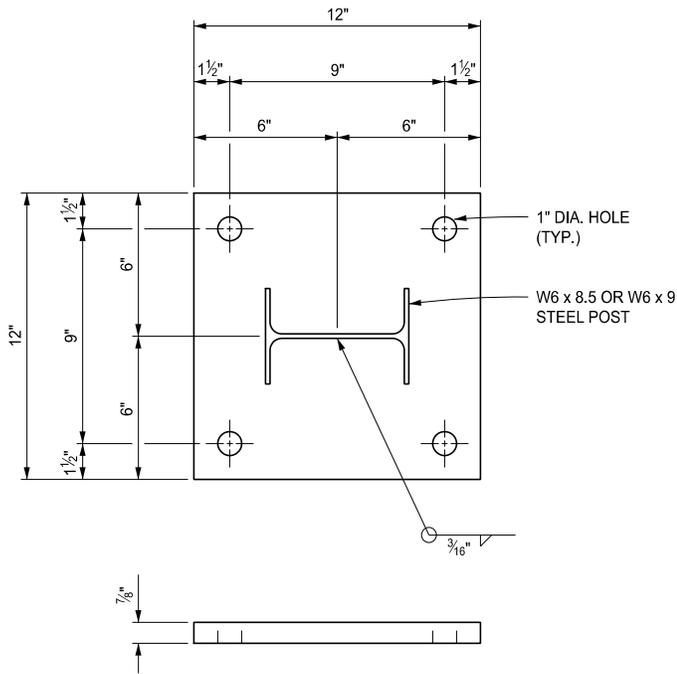
STANDARD PLAN FOR
GUARDRAIL OVER BOX OR SLAB CULVERTS

(SPECIAL DETAIL)
FHWA APPROVAL

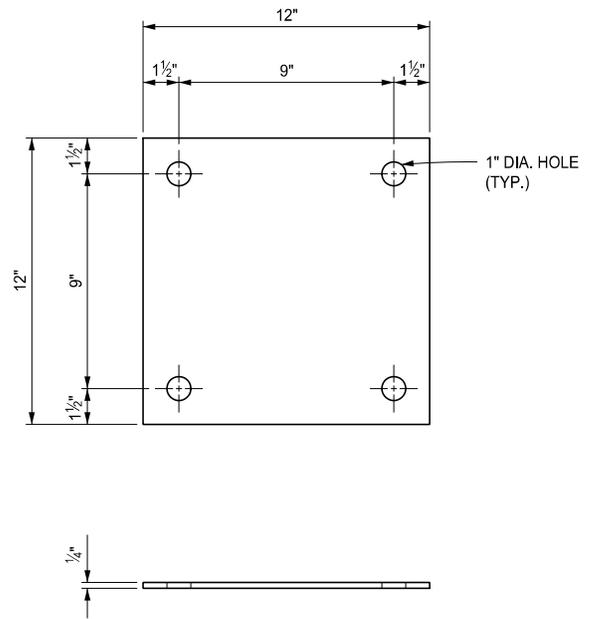
08/01/2019
PLAN DATE

R-73-F

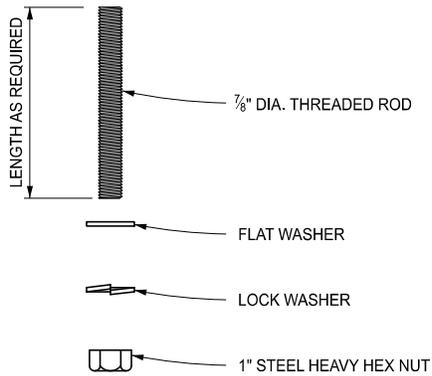
SHEET
2 OF 3



BASE PLATE DETAIL



WASHER PLATE DETAIL



THREADED ROD DETAIL

NOTES:

GUARDRAIL SHALL BE CONSTRUCTED AND PAID FOR ACCORDING TO THE STANDARD SPECIFICATIONS FOR CONSTRUCTION AND STANDARD PLAN R-60-SERIES. IN ADDITION, POSTS ANCHORED TO THE CULVERT SLAB WILL BE PAID FOR AS "GUARDRAIL POST, CULV", WHICH INCLUDES ALL LABOR AND MATERIALS REQUIRED TO CONSTRUCT THE POST AS DETAILED ON THIS PLAN.

ALL MATERIALS FOR GUARDRAIL POST, CULVERT SHALL MEET THE STANDARD SPECIFICATIONS FOR CONSTRUCTION FOR BRIDGE RAILINGS.

ALL WORK AND MATERIALS SHALL BE ACCORDING TO THE STANDARD SPECIFICATIONS FOR CONSTRUCTION.



DEPARTMENT DIRECTOR
BRADLEY C. WIEFERICH, PE

STANDARD PLAN FOR
GUARDRAIL OVER BOX OR SLAB CULVERTS

(SPECIAL DETAIL)
FHWA APPROVAL

08/01/2019
PLAN DATE

R-73-F

SHEET
3 OF 3