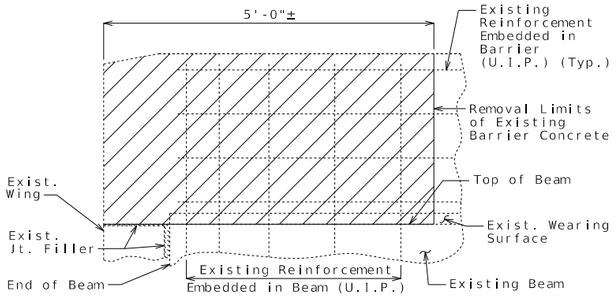
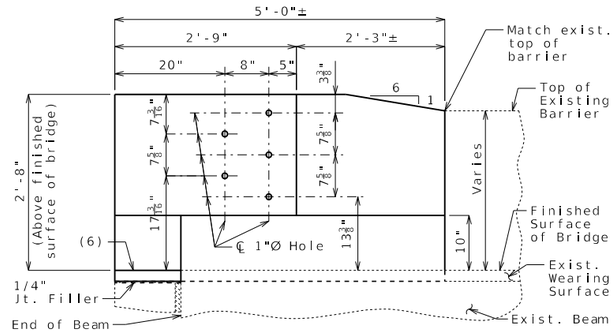
SEC/SUR x TWP x RGE x

U.I.P. & REHABILITATE EXISTING (x', x') X SPANS



PART ELEVATION SHOWING CONCRETE REMOVAL



ELEVATION

Existing Wearing Surface

Guidance: (Do not show on plans.)

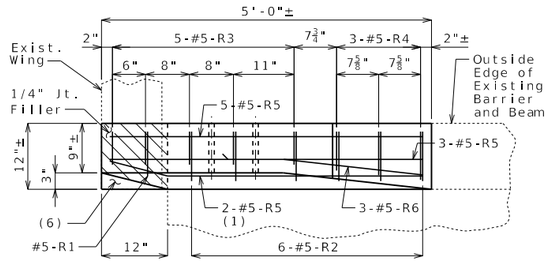
Substitute alternate Plan for skewed structures.

Modify details as needed to suit your structure.

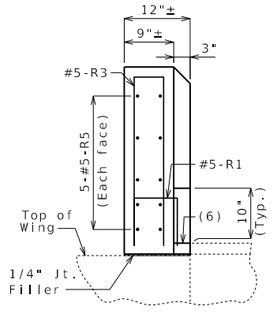
Use with BEM02-2 (Bill of Reinforcing Steel).

Estimated Quantities

Item		Total
Barrier End Modification	each	4



PLAN (3)



ELEVATION A-A

(1) Bend in field.

(2) 2 Spa. @ 4½"

(3) Existing reinforcement not shown for clarity.

(4) Existing longitudinal reinforcement not shown for clarity.

(5) Existing reinforcement embedded in beam (U.I.P.) (Bend in field as needed) (Typ.)

(6) Fill with mortar or concrete.

General Notes:

Design Specifications:
2002 AASHTO LFD (17th Ed.) Standard Specifications

Design Unit Stresses:
Class B-1 Concrete f'c = 4,000 psi
Reinforcing Steel (Grade 60) fy = 60,000 psi

Reinforcing Steel:
Minimum clearance to reinforcing steel shall be 1 1/2", unless otherwise shown.

Miscellaneous:
One lane of traffic shall remain open during construction. See roadway plans for traffic control.

All exposed edges of barrier shall have either a 1/2-inch radius or a 3/8-inch bevel, unless otherwise shown.

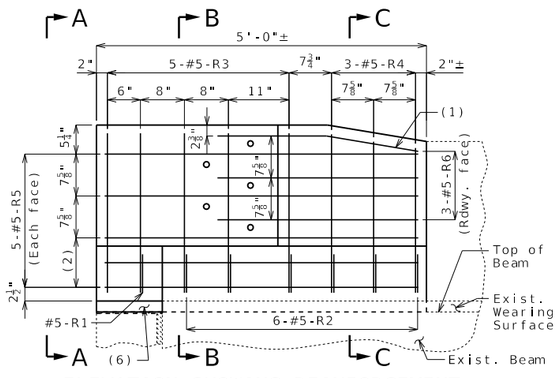
Outline of existing work is indicated by light dashed lines. Heavy lines indicate new work.

All reinforcement in barrier end modification shall be epoxy coated.

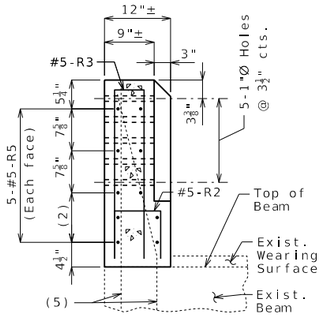
Bars bonded in existing concrete not removed shall be cleanly stripped and embedded into new concrete where possible. If length is available, existing bars shall extend into new concrete at least 40 diameters for plain bars and 30 diameters for deformed bars, unless otherwise noted.

The area exposed by the removal of concrete and not covered with new concrete shall be coated with a qualified special mortar in accordance with Sec 704.

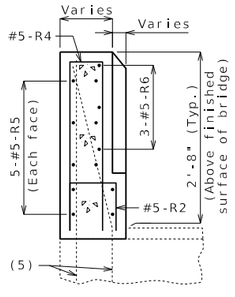
Cost of removing existing barrier concrete, and cost of furnishing and installing new concrete, new reinforcing steel, and any other work incidental to the barrier end modification, complete in place, will be considered completely covered by the contract unit price for Barrier End Modification.



ELEVATION SHOWING REINFORCEMENT (3)



SECTION B-B (4)



SECTION C-C (4)

BARRIER MODIFICATION FOR GUARDRAIL ATTACHMENT

REPAIRS TO BRIDGE:
ROUTE _ OVER
ROUTE _ FROM ROUTE _ TO ROUTE _
ABOUT _ MILES _ OF ROUTE _
BEGINNING STATION x+x.x± (MATCH EXISTING)

DATE PREPARED 5/22/2026
ROUTE | STATE MO
DISTRICT | SHEET NO. 000
COUNTY
JOB NO.
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Detailed
Checked

Note: This drawing is not to scale. Follow dimensions.