GROUND LINE

TYPICAL GUARDRAIL SECTION

ELEVATION FROM ROADWAY

ELEVATION

GUARDRAIL BOLT "A"

SECTION

GUARDRAIL SPlice DETAIL

FASTENER DETAILS

NOTES

1. GUARDRAIL BOLTS ARE 1/2" - UNC THREAD PITCH.
2. If any bolt extends more than 1/4" from the nut, the bolt should be trimmed back.

GUARDRAIL: "W" BEAM (STEEL POSTS)

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

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GENERAL NOTES:

1. GUARDRAILS SHALL MEET THE REQUIREMENTS OF AASHTO M 180, CLASS 4, TYPE I UNLESS OTHERWISE DESIGNATED.
2. GUARDRAILS SHALL BE SINGLE FACED UNLESS OTHERWISE DESIGNATED.
3. GUARDRAIL SECTIONS SHALL BE LAPPED IN THE DIRECTION OF TRAFFIC FLOW FOR THE LINE OEMSTHE GUARDRAIL. THE ONLY EXCEPTION NOTED IS THAT GUARDRAIL IS TO BE LAPPED FOR APPROACHING TRAFFIC ON A BRIDGE WITH 2-WAY TRAFFIC.
4. STEEL POSTS SHALL CONFORM TO AASHTO M 185/M 185M OR ACT A PER FWA 185 OR ACT A PER AASHTO ULTRASONIC TESTING. THEY SHALL BE GALVANIZED IN ACCORDANCE WITH AASHTO M 111 EXCEPT WHEN CORROSION RESISTANT STEEL IS REQUIRED IN WHICH CASE POSTS SHALL CONFORM TO AASHTO M 222/M 222M AND SHALL NOT BE PAINTED OR GALVANIZED. NO DRILLING OR CUTTING WILL BE PERMITTED AFTER GALVANIZING EXCEPT FOR HOLES TO MOUNT GUARDRAIL DELINATORS.
5. ALL MODIFIED WOOD BLOCKOUTS SHALL BE TREATED TIMBER IN ACCORDANCE WITH MISSISSIPPI DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
6. FOR OTHER DETAILS OF POSTS, POST ACCESSORIES, FASTENERS SEE GUARDRAIL "W" BEAM (STEEL POSTS) "W" BEAM (STEEL POSTS) ASSEMBLY.

NOTES:

1. ALL GUARDRAILS BOLTS ARE 1/2" - 11 UNC THREAD PITCH.
2. IF ANY BOLT EXTENDS MORE THAN 1/4" FROM THE NUT, THE BOLT SHOULD BE TRIMMED BACK.

DETAILS OF ADJUSTABLE HEIGHT BLOCKOUT ASSEMBLY

1. ON INITIAL INSTALLATION, THE MODIFIED WOOD BLOCKOUT SHALL BE FASTENED TO THE TOP NUT IN THE STEEL POST. OTHER HOLES IN THE STEEL POSTS AND THE MODIFIED WOOD BLOCKOUT ARE FOR FUTURE HEIGHT ADJUSTMENTS AS SPECIFIED ON THE PLAN.
2. AN ADDITIONAL GUARDRAIL BOLT "C" AND RECESSED NUT IS REQUIRED FOR THE SECOND HEIGHT ADJUSTMENT.
3. HOLES DETAILS ARE REQUIRED ON ALL STEEL POSTS AND MODIFIED WOOD BLOCKOUTS.
4. STEEL POSTS ARE FABRICATED FROM W6 X 9 DESIGN SPECIFICATIONS.