SHOULDER TYPE  
BACKING NUT TYPE  
FULL BOLT TYPE

ALTERNATE 3/8" DIAMETER HOOK BOLT DETAILS

CABLE OVERLAP DIAGRAM

LAP CABLE WIRE OVER TOP AND BOTTOM HOOK BOLTS

THE CENTER POST IN THE INTERMEDIATE ANCHORAGE SECTION WILL HAVE CABLE WIRE ON BOTH SIDES OF THE MIDDLE STRAND REQUIRING THE USE OF EITHER TWO SHOULDER TYPE OR BACKING NUT TYPE 3/8" DIA. HOOK BOLTS

TYPE R  
ROADSIDE BARRIER

TYPE M  
MEDIAN BARRIER

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT
STANDARD PLAN FOR

LOW TENSION  
3-CABLE BARRIER

4-26-2007  
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R-70-C  
SHEET 4 OF 30
PLAN

3/4" HEAVY HEX NUT WITH PLAIN WASHERS (TYP)
BOTTOM CABLE
TOP CABLE

EPOXY COATED 3 BAR HOOP
3 REQUIRED

EA03 BAR
6 REQUIRED

ELEVATION

CAST-IN-PLACE FOOTING

ANCHOR POST
SEE DETAILS ON SHEET 6

BREAKAWAY ANCHOR ANGLE
SEE DETAILS ON SHEETS 7 & 8

GROUND LINE

(8) 3/4" DIA. x 24" HOOK BOLTS
OR J BOLTS WITH HEAVY HEX MWT
WITH PLAIN WASHERS, TOP 2" THREAD (TYP.)

CONCRETE (GRADE P1 OR P2)

3" EA03 BARS @ 2'-3" SPACING

3"
ANCHOR POST DETAIL

ANCHOR POST SUPPORT PLATE DETAILS

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR
LOW TENSION
3-CABLE BARRIER

R-70-C SHEET 6 OF 30
PLAN

1/2" PLATE

1/4" DIA. BOLT, 2" LONG WITH NUT AND 3 WASHERS, TORQUE TO 25 FT-LBS

3/4" HEAVY HEX NUT WITH PLAIN WASHER (TYP.)

ANCHOR POST
POST SLIP PLATE
KEEPER PLATE
POST SLIP PLATE
POST SLIP BASE PLATE

NEW CONSTRUCTION
INSTALL (4) 3/4" DIA. HOOK BOLTS, J-BOLTS, OR RESIN BONDED ANCHORS WITH 8" MIN. EMBEDMENT, THREAD TOP 2" MIN.

RETROFIT SITUATIONS
INSTALL (4) 3/4" DIA. RESIN BONDED ANCHORS WITH 8" MIN. EMBEDMENT, THREAD TOP 2" MIN.

ELEVATION
POST SLIP BASE

POST SLIP PLATE DETAIL

KEEPER PLATE DETAIL

53 x 5.7 POST
1/8" PLATE
1/2" DIA. HOLE (TYP.)
28 CAGE (0.0149") PLATE

LOW TENSION
3-CABLE BARRIER
PLAN VIEW

ELEVATION

BREAKAWAY ANCHOR ANGLE

SIDE VIEW

CABLE END ASSEMBLY TO BREAKAWAY ANCHOR ANGLE DETAIL

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR

LOW TENSION
3-CABLE BARRIER

4-26-2007  3-27-2007  R-70-C  SHEET 8 OF 30
NOTES:

WHEN CABLE BARRIER IS INSTALLED IN FRONT OF SLOPES STEEPER THAN 1:16, THE DISTANCE BETWEEN THE POSTS AND THE SLOPE HINGE LINE SHALL BE 1'-0" MINIMUM.

GUARDRAIL REFLECTORS SHALL BE INSTALLED ON POSTS AND SPACED AT THE FOLLOWING INTERVALS:

A) 48'-0" ON TANGENT SECTIONS AND CURVES WITH A RADIUS OF 1150' OR MORE
B) 24'-0" ON CURVES WITH A RADIUS LESS THAN 1150'

GUARDRAIL REFLECTORS SHALL MATCH THE COLOR OF THE EDGE LINES.

STAGGER SPRING CABLE END ASSEMBLIES FOR CLEARANCE BETWEEN UNITS. INSTALLATION OF CABLE END ASSEMBLIES SHALL BE AS FOLLOWS:

A) FOR CABLE RUNS UP TO 500' IN LENGTH, USE THE SPRING CABLE END ASSEMBLY ON ONE END AND TURNBUCKLE ONLY ON THE OTHER END OF EACH CABLE.
B) FOR CABLE RUNS OVER 500' AND UP TO 2000' IN LENGTH, USE SPRING CABLE END ASSEMBLIES ON EACH END OF EACH CABLE.

WHERE THE CABLE IS CONNECTED TO A CABLE SOCKET WITH A WEDGE TYPE CONNECTOR, ONE WIRE OF THE WIRE ROPE SHALL BE CRIMPED OVER THE BASE OF THE WEDGE TO HOLD IT FIRMLY IN PLACE.