

- (102) NOSE CABLE WITH SWAGGED END BUTTONS.
- (103) NOSE CABLE ANCHOR BRACKET (BACKSIDE OF SPLICE).
- 104) THE SLACK IN THE NOSE CABLES SHALL BE EVENLY DISTRIBUTED BETWEEN THE CABLE CLIP FASTENERS AND POST NO. 1 ON EITHER SIDE OF THE NOSE.
- (105) MODIFIED THRIE-BEAM (BULLNOSE) MINIMUM WORKING WIDTH 4' 6". GUARDRAIL-STEEL W BEAM-S FACE MINIMUM WORKING WIDTH 5' - 0".

GRADING INSIDE W-BEAM GUARDRAIL OR MODIFIED THRIE-BEAM (BULLNOSE) GUARDRAIL BEYOND POST 12 MAY BE ADJUSTED FOR DRAINAGE, PROVIDED THERE IS A MINIMUM OF 2' OF FILL BEHIND THE POSTS TO ENSURE ADEQUATE SUPPORT FOR THE SYSTEM.

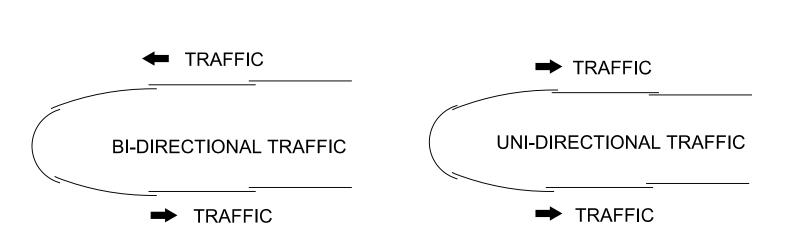
- (106) MINIMUM WIDTH OF SYSTEM FROM POST 5 TO POST 12 IS 14' - 9¹/₄" MEASURED FROM FACE OF GUARDRAIL TO FACE OF GUARDRAIL.
- (107) FIXED OBJECT OR OTHER OBSTACLE.
- 108 PARTS E1 THROUGH E4 ARE THRIE-BEAM RAILS. SEE SHEET 9 FOR DETAILS.
 - E1 SLOTTED THRIE-BEAM RAIL (POST 1B TO POST 1A)
 - E2 SLOTTED THRIE-BEAM RAIL (POST 1 TO POST 5)
 - E3 SLOTTED THRIE-BEAM RAIL (POST 5 TO POST 8)
 - E4 UNBENT STANDARD THRIE-BEAM RAIL (POST 8 TO POST 12 AND BEYOND POST 12 WHEN MODIFIED THRIE-BEAM (BULLNOSE) USED)
- BEYOND POST 12, EITHER MODIFIED THRIE-BEAM (BULLNOSE)
 OR W-BEAM GUARDRAIL MAY BE CONSTRUCTED. BOTH OPTIONS
 ARE PAID PER LINEAR FOOT. INDICATE THE SELECTED TYPE
 IN THE ROADWAY PLANS.
- MODIFIED THRIE-BEAM (BULLNOSE) IS SHOWN IN PLAN VIEW TYPICAL BULLNOSE LAYOUT. TRANSITIONING TO W-BEAM GUARDRAIL WILL HAVE A DIFFERENT LAYOUT. SEE SHEET 4 DETAIL B.
- 111 SEE SHEET 6 FOR DETAILS ON THE INSTALLATION OF DELINEATOR REFLECTORS.
- 112 SEE SHEET 5 FOR MEDIAN GRADING.
- 113 THRIE-BEAM RAILS MAY NEED TO BE FIELD BENT TO FIT THE LOCATION.
- 114 IF ROCK IS ENCOUNTERED, REMOVE ROCK TO FULL DEPTH OF POST PLUS 2 1/2". MINIMUM DIAMETER OF THE ROCK REMOVAL IS 12" DIAMETER. BACKFILL WITH CUTTING SPOILS, PLACING GRANULAR MATERIAL, OR SMALL ROCK (#9 OR #57 STONE) IN THE BOTTOM 2 1/2" FOR DRAINAGE. THE REMOVAL OF ROCK AND BACKFILL MATERIAL IS INCIDENTAL.

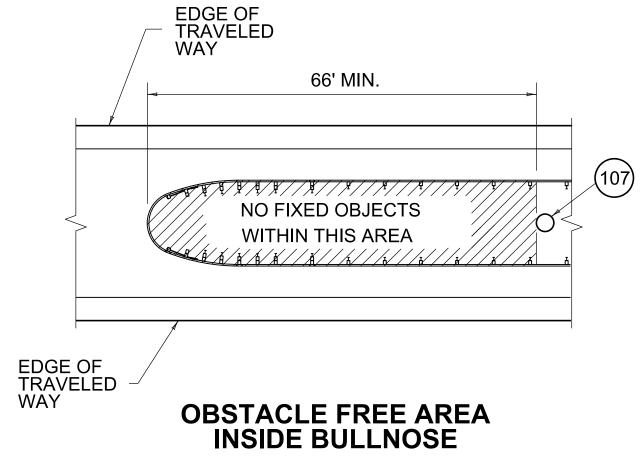
BID ITEMS AND UNIT TO BID

THRIE-BEAM BULLNOSE TERMINAL EACH

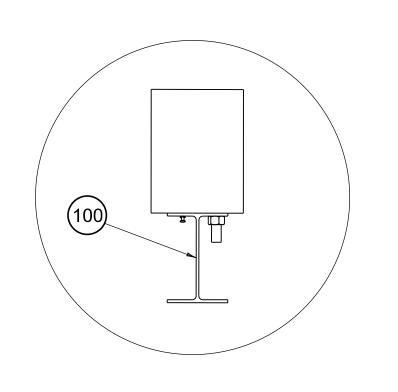
BID ITEMS AS APPLICABLE

GUARDRAIL-STEEL W BEAM-S FACE LF
MODIFIED THRIE-BEAM (BULLNOSE) LF
THRIE BEAM TO W BEAM CONNECTOR EACH





LAPPING DETAIL



EDGE OF TRAFFIC

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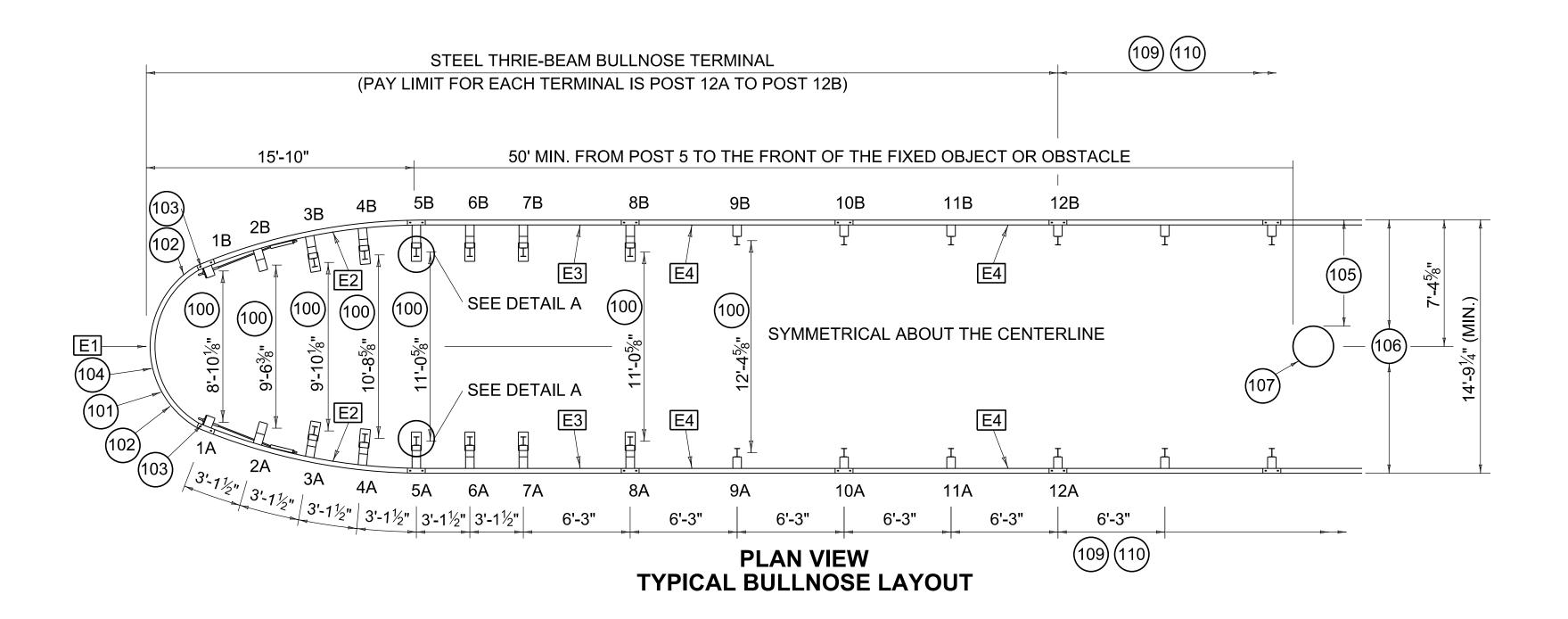
TRAFFIC

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DETAIL A

MEDIAN FIXED OBJECT SHIELDING PAY LIMITS



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

TRANSPORTATION
TR

STEEL THRIE-BEAM BULLNOSE TERMINAL

SHEET 001: SYMMETRICAL BULLNOSE

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