



**NOTES:**

1. SHOULDERS SHALL BE WIDENED AS SPECIFIED ON STANDARD 630301 AND STANDARD BLR 26
2. ALL EXISTING GUARDRAIL SHALL BE REMOVED. THE QUANTITY FOR GUARDRAIL REMOVAL SHALL INCLUDE REMOVAL OF EXISTING GUARDRAIL AND BRIDGE RAIL ATTACHED TO REINFORCED CONCRETE BOX CULVERTS
3. EXISTING BRIDGE RAIL AT SN 054-3049 AND SN 054-3024 SHALL REMAIN IN PLACE. THE HEIGHT OF THE PROPOSED GUARD RAIL AND THE PROPOSED TRAFFIC BARRIER TERMINAL 5A SHALL BE TRANSITIONED OVER TO FEET TO MATCH THE HEIGHT OF THE EXISTING BRIDGE RAIL
4. EXISTING GUARDRAIL POSTS ATTACHED TO THE TOP SLAB OF EXISTING CONCRETE BOX CULVERTS SHALL REMAIN IN PLACE AND SHALL BE UTILIZED WITH THE PROPOSED GUARDRAIL. EXISTING BLOCKOUTS SHALL BE REMOVED AND REPLACED WITH NEW BLOCKOUTS.
5. RAIL ELEMENTS AT LOCATION 1 SHALL BE FIELD DRILLED TO MATCH EXISTING GUARDRAIL POSTS ATTACHED TO THE CONCRETE BOX CULVERT RIGHT STATION 178+39.

**BILL OF MATERIAL - STA 173+45 TO STA 187+89**

ITEM	QUANTITY
STEEL PLATE BEAM GUARD RAIL, TYPE A	1050 FOOT
STEEL PLATE BEAM GUARD RAIL, ATTACHED TO STRUCTURES	25 FOOT*
STEEL PLATE BEAM GUARD RAIL, TYPE A (SPECIAL)	25 FOOT
TRAFFIC BARRIER TERMINAL, TYPE 2	1 EACH
TRAFFIC BARRIER TERMINAL, TYPE 5A	8 EACH
TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	9 EACH
GUARDRAIL REMOVAL	930 FOOT
GUARDRAIL MARKERS	15 EACH
TERMINAL MARKER - DIRECT APPLIED	9 EACH

\* CONNECT RAIL TO EXISTING POSTS ATTACHED TO STRUCTURE

**LEGEND**

- (A) STEEL PLATE BEAM GUARDRAIL TYPE A (STD BLR 26)
- (S) STEEL PLATE BEAM GUARDRAIL ATTACHED TO STRUCTURE (STD 63010)
- (R) STEEL PLATE BEAM GUARDRAIL TYPE A (SPECIAL) (STD BLR 26 - FABRICATE RAIL TO RADIUS SHOWN)
- (B) EXISTING BRIDGE RAIL
- (T) TRAFFIC BARRIER TERMINAL TYPE 2 (STD 63101)
- (I) TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL (TANGENT)
- (5) TRAFFIC BARRIER TERMINAL TYPE 5A (STD BLR 27)

CUMMINS  
ENGINEERING  
CORPORATION

JOB = 2217  
FILE NAME = 2217R01.dgn  
PLOT SCALE = 40,0000 "/ IN.  
PLOT DATE = 1/28/2009

DESIGNED - NAK  
DRAWN - AJH  
CHECKED - NAK  
DATE - 10/16/2008

REVISED -  
REVISED -  
REVISED -  
REVISED -

LOGAN COUNTY  
CH 10, TR 199A, TR 92 IMPROVEMENTS

GUARDRAIL LAYOUT & SHOULDER WIDENING DETAILS

SHEET NO. 2 OF 5 SHEETS STA. 182+50 TO STA. 188+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
566	05-00113-00-WR	LOGAN	63	42
CH 10, TR 199A, TR 92			CONTRACT NO.	
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

93482