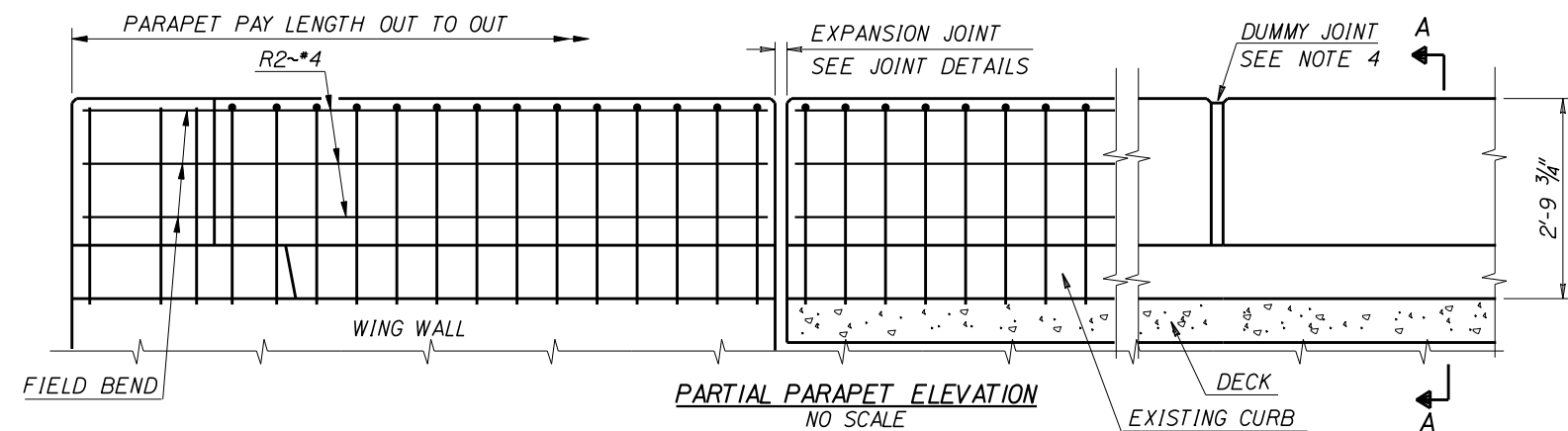
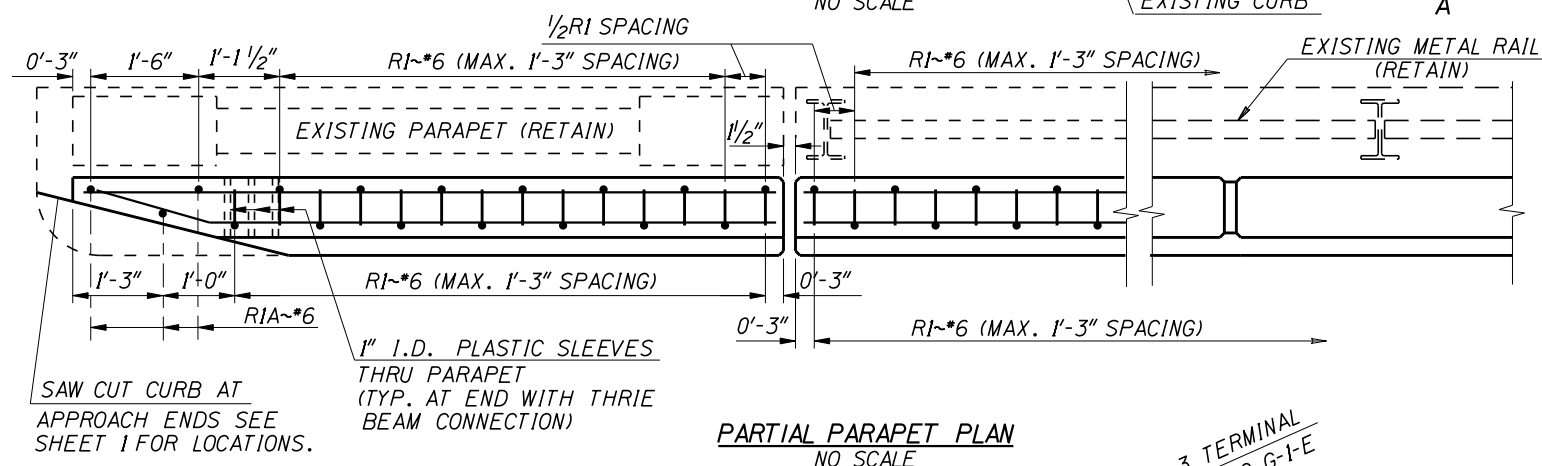
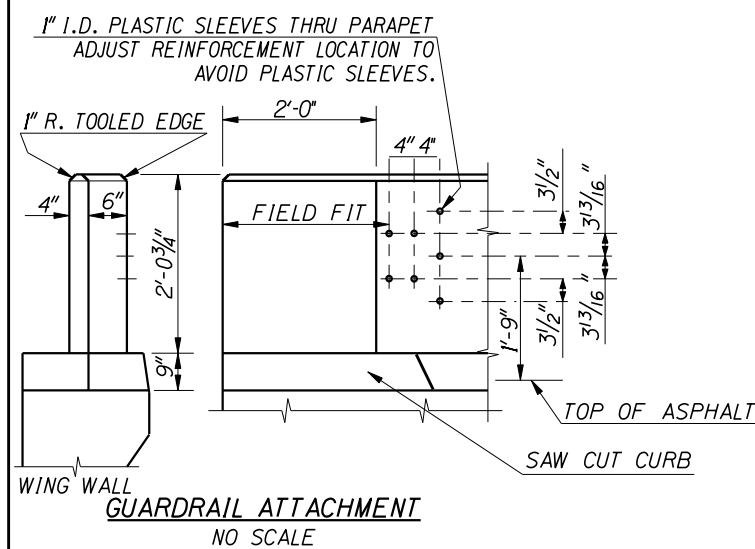
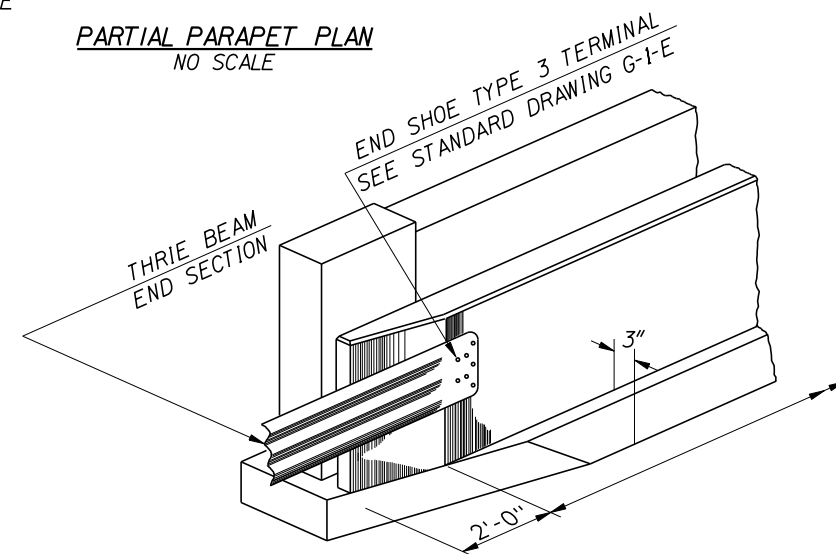
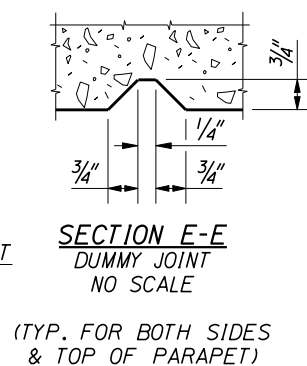
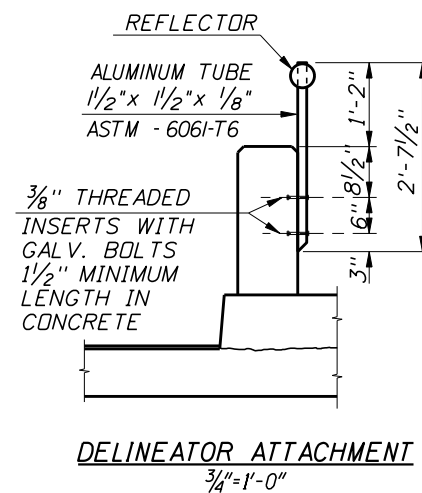
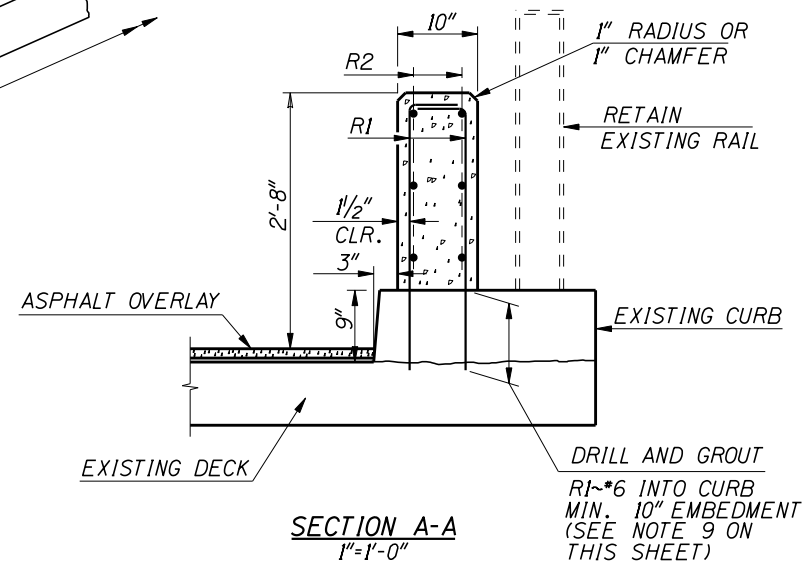
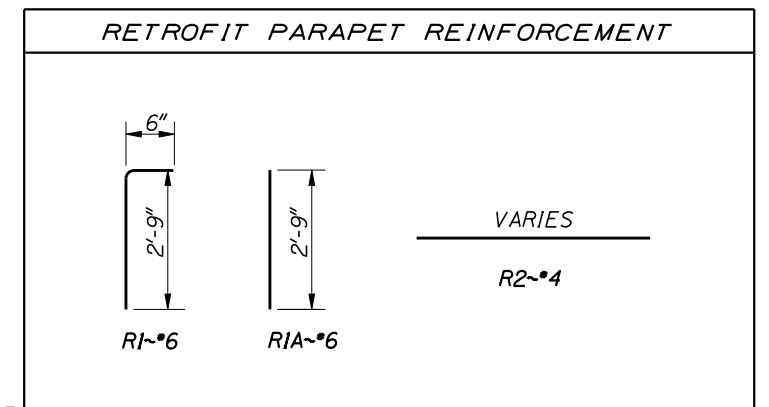




NOTE: END SHOE AND
GUARD RAIL ARE NOT
INCLUDED IN BRIDGE
CONTRACT. (SEE
ROADWAY PLANS)



APPROXIMATE PARAPET QUANTITIES
 CONCRETE: _ _ _ _ _ 1.72 CUBIC FEET/LF
 REINFORCEMENT: _ _ _ _ _ 4.32 LB/LF



- # NOTES
-
1. CONCRETE PARAPET SHALL BE CONCRETE CLASS 40A.
 2. PARAPET SHALL BE CONSTRUCTED SO THAT BOTH FACES ARE IN A VERTICAL PLANE. HEIGHT CONTROL SHALL BE AT THE INSIDE (TRAFFIC) FACE.
 3. PARAPET SHALL BE CAST-IN-PLACE; SLIP FORMING WILL NOT BE ALLOWED.
 4. INTERMEDIATE PARAPET DUMMY JOINTS SHALL BE SPACED UNIFORMLY THROUGHOUT THE LENGTH OF THE BRIDGE. A DUMMY JOINT SHALL BE LOCATED AT EVERY PIER WHERE THE DECK SLAB IS CONTINUOUS. INTERMEDIATE PARAPET DUMMY JOINT SPACING SHALL NOT BE LESS THAN 6' NOR GREATER THAN 12'. WRAP R2 BARS WITH PLASTIC TAPE AT DUMMY JOINTS TO ALLOW SLIPPAGE.
 5. THREADED INSERTS SHALL BE KOHLER, STAR-HOLSIN, RICHMOND ROCKET OR APPROVED EQUAL. INSTALL AS INDICATED ON DETAIL DRAWINGS OR AS DIRECTED BY THE ENGINEER.
 6. SEE ROADWAY PLANS FOR LOCATION OF DELINEATORS, IF REQUIRED.
 7. THE FOLLOWING ITEMS SHALL BE INCLUDED IN THE BID ITEM "RETROFIT CONCRETE PARAPET":
 1. CONCRETE AND ALL REINFORCING STEEL SHOWN ON THIS SHEET.
 2. ALL PARAPET REINFORCEMENT SHALL BE EPOXY COATED IN ACCORDANCE WITH SUBSECTION 708.02.
 8. END FACE, EXPANSION JOINTS AND DUMMY JOINTS SHALL BE CONSTRUCTED PERPENDICULAR TO THE ROADWAY GRADE.
 9. AN EPOXY GROUT SHALL BE USED FOR ANCHORING R1~*6 INTO EXISTING CONCRETE. THE DRILLED HOLE SIZE SHALL BE DETERMINED BY THE RECOMMENDATION OF THE MANUFACTURER OF THE SYSTEM USED.

R E V I S I O N S				DESIGNED	SCALES SHOWN	ORIGINAL SIGNED BY:	IDAHO TRANSPORTATION DEPARTMENT		<i>English</i>	IOWA RETROFIT DETAILS WITH THRIE BEAM RAIL	BRIDGE PLANS	
NO.	DATE	BY	DESCRIPTION	DESIGN CHECKED	ARE FOR 34" X 22" PRINTS ONLY						COUNTY	KEY NO.
△				DETAILED	CADD FILE NO.						BRIDGE LRFD MANUAL, PAGE B13.7E	
△				DWG. CHECKED	\\prj00000\bridge\ b13_7e.dgn						SHEET	
△				CORRECTIONS <th>DRAWING DATE:</th> <th colspan="2">OF</th>	DRAWING DATE:						OF	
△					AUGUST 2006	DATE SIGNED: <u>DATE</u>						
						ORIGINAL STORED AT: ITO BRIDGE SECTION						