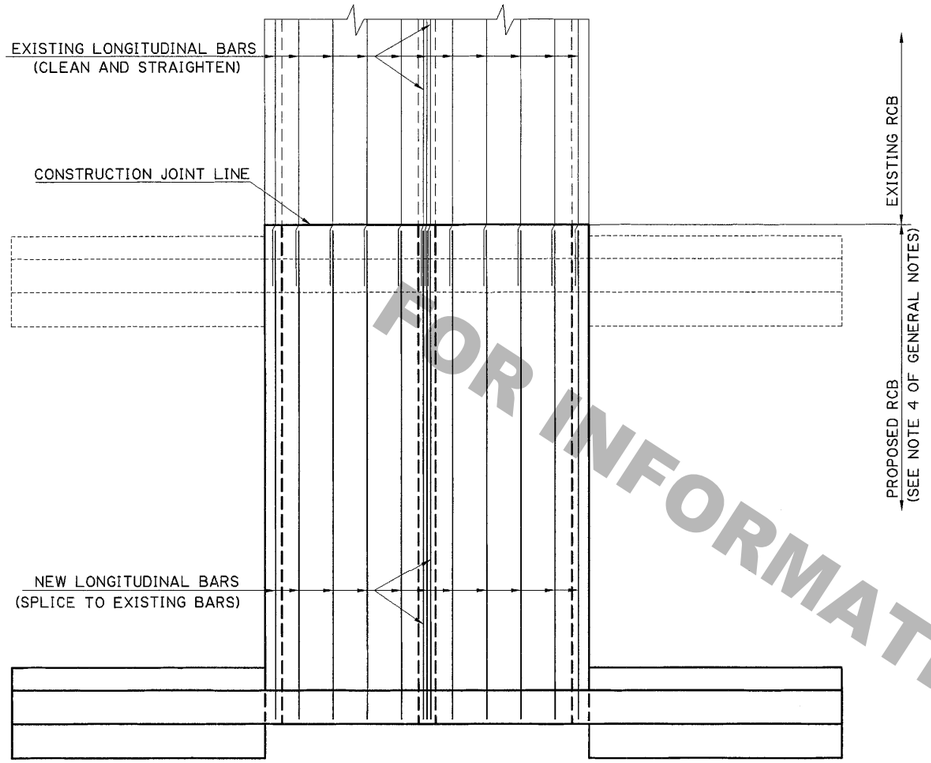
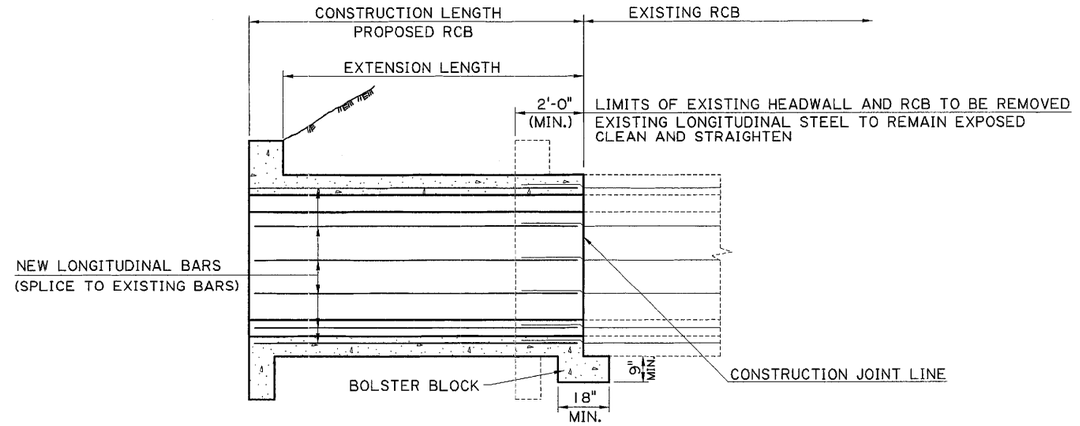
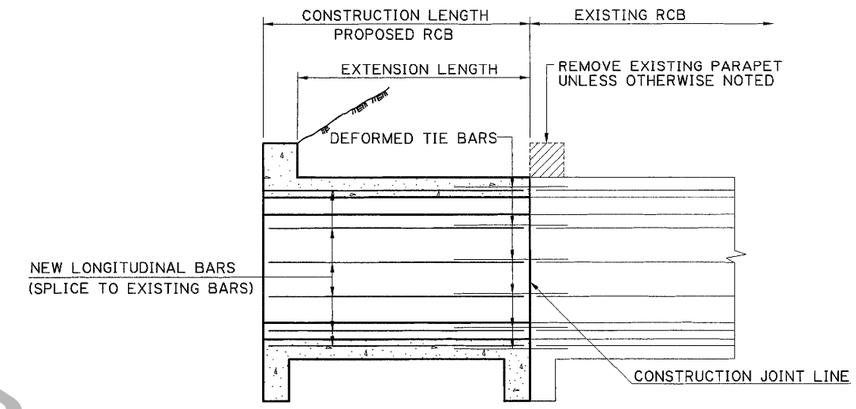
20-APR-2009 15:10



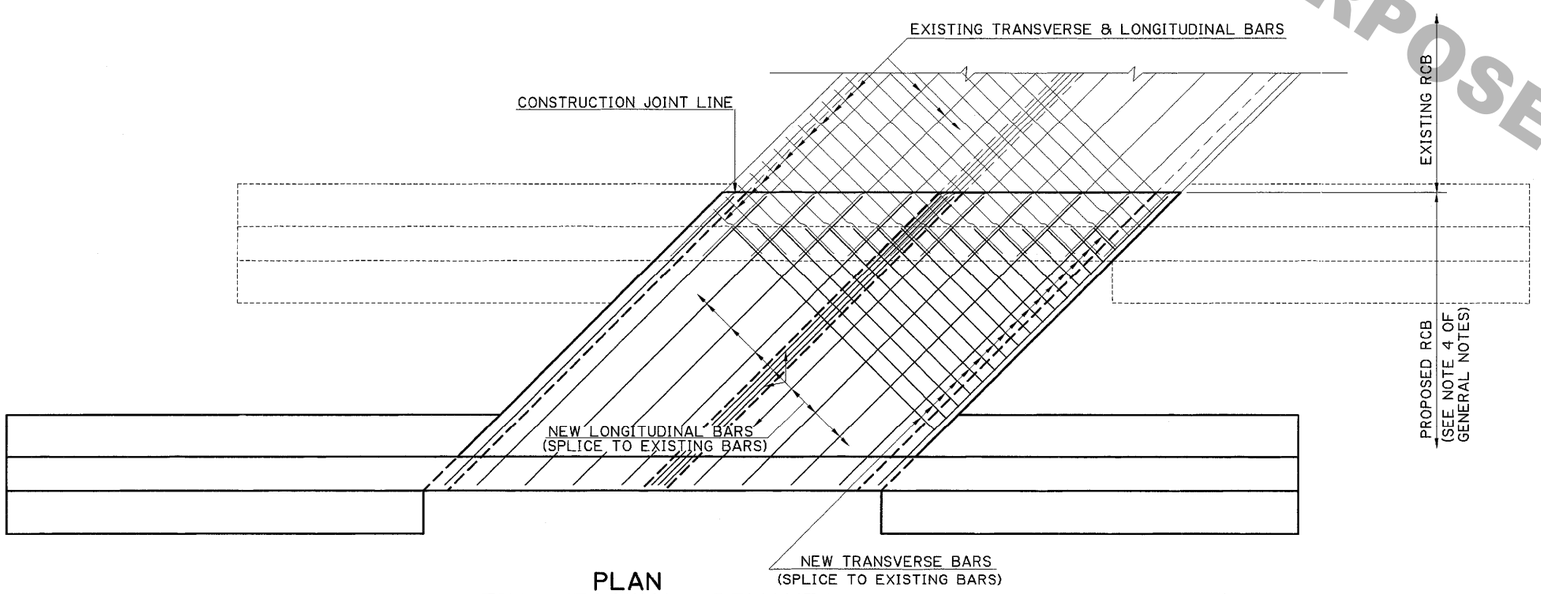
PLAN
EXISTING HEADWALL REMOVED
90° CROSSING



SECTION THRU BARREL
EXISTING HEADWALL REMOVED
90° AND SKEWED CROSSING



SECTION THRU BARREL
EXISTING HEADWALL REMAINS
90° AND SKEWED CROSSING



PLAN
EXISTING HEADWALL REMOVED
SKEWED CROSSING

GENERAL NOTES:

1) ALL CONCRETE TO BE CLASS "A".
2) REINFORCING STEEL TO BE GRADE 60.
3) PROJECT SPECIFICATIONS FOR REINFORCED CONCRETE BOX CULVERT SHALL APPLY.
4) ALL EXTENSIONS WILL BE CONSTRUCTED ACCORDING TO THE STANDARD PLANS OR SPECIAL DETAILS REFERRED TO ON THE SUMMARY OF DRAINAGE STRUCTURES SHEET.
5) WHERE HEADWALL AND EXISTING RCB TO BE REMOVED, PROPOSED LONGITUDINAL STEEL SHALL OVERLAP EXISTING LONGITUDINAL STEEL BY 2'-0" SPLICE. ALL EXISTING LONGITUDINAL STEEL IN SLABS AND WALLS TO BE STRAIGHTENED, CLEANED AND USED AS SPLICE BARS.
6) WHERE EXISTING HEADWALL REMAINS, DEFORMED TIE BARS ARE REQUIRED. DEFORMED TIE BARS SHALL BE #5, 3'-0" IN LENGTH (UNLESS EXTENSION LENGTH REQUIRES SHORTER BARS). HOLES WILL BE DRILLED IN THE EXISTING STRUCTURE TO ALIGN WITH CORRESPONDING LONGITUDINAL BARS IN THE NEW STRUCTURE. THE DEFORMED TIE BARS SHALL BE PLACED IN THE HOLES AND THE HOLES SHALL BE FILLED WITH AN APPROVED MATERIAL FROM QPL52, PRIOR TO POURING CONCRETE FOR THE EXTENSION. THE HOLE DIAMETER SHALL BE IN ACCORDANCE WITH THE EPOXY MANUFACTURER'S RECOMMENDATION.
7) WHERE EXISTING HEADWALL REMAINS, ALL SMOOTH END SURFACES OF EXISTING STRUCTURE SHALL BE ROUGHENED BY CHIPPING PRIOR TO POURING EXTENSION.
8) GROUND PREPARATION SHALL BE IN ACCORDANCE TO STANDARD PLAN BM-01.

FOR INFORMATIONAL PURPOSES ONLY

SHEET NUMBER			
PARISH	FEDERAL PROJECT	STATE PROJECT	
DESIGNED / CHECKED	DETAILED KJB / CHECKED JDK	DATE 4-8-09 / SHEET 1 OF 1	
DATE	REVISION DESCRIPTION	BY	

APPROVED BY CHIEF ENGINEER: DATE 4-8-09

STATE OF LOUISIANA

RCB EXTENSIONS
STANDARD METHOD OF EXTENDING REINFORCED CONCRETE BOX CULVERTS 90° AND SKEWED CROSSINGS

STANDARD PLAN RCB-EXTENSION

DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

HYDRAULICS SECTION

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