CONSTRUCTION ISSUES
BAYOU LAFOURCHE BRIDGE
AT CLOTILDA
LAFOURCHE PARISH

ROBERT OVERALL, P.E.
FEBRUARY 20, 2008

2008 LTRC Bridge Structures Conference-
New Orleans
STEEL TOWERS - BAYOU LAFOURCHE AT CUTOFF
CONCRETE TOWERS

CLOTILDA
MAIN SPAN = 105 ft.
CLEAR RDWY. = 60 ft.
HORIZ. CLR. = 80 ft.
VERT. CLR. = 47 ft.

LAROSE
MAIN SPAN = 122 ft.
CLEAR RDWY. = 80 ft.
HORIZ. CLR. = 80 ft.
VERT. CLR. = 73 ft.
CONSTRUCTION ISSUES

1. REINFORCEMENT PLACEMENT SPACING IS CRITICAL TO PREVENT VOIDS IN CONCRETE.

2. TOLERANCES ON CONCRETE TOWERS ARE CRITICAL. SPAN AND COUNTERWEIGHT GUIDES HAVE VERY LITTLE PLAY.

3. FINISH DECK GRADE AND ANCHOR BOLT SLEEVE ALIGNMENT ON TOWER DECK IS CRITICAL TO ALLOW PROPER ALIGNMENT

4. MAINTAINING THE DESIGN CONCRETE DECK THICKNESS IS IMPORTANT FOR SPAN BALANCING AND MECH./ELEC. SYSTEMS. BEAM DEFLECTION HAS TO BE MONITORED DURING MAIN SPAN POUR.
BEGIN CONSTRUCTION: NOVEMBER, 2000

BRIDGE CONSTRUCTION COST: $6.5 M

ROADWAY CONSTRUCTION COST: $2.4 M

TOTAL CONST. COST: $8.9 M
DOTD BRIDGE DESIGN TEAM

PROJECT MANAGER AND LEAD

STRUCTURAL ENGINEER: TRINH LE, P.E.

MECHANICAL: LEE HUPPERICH, P.E.

ELECTRICAL: CHRIS LEBOURGEROIS, P.E.

STRUCTURAL DETAILER: GARLAND GRASS
CONSTRUCTION PROJECT TEAM

CONSTRUCTION MANAGEMENT: DOTD DISTRICT 02

GENERAL CONTRACTOR: COASTAL BRIDGE CO.

STEEL FABRICATOR: ORLEANS MATERIAL

MECHANICAL SYSTEMS: HARDIE TYNES

ELECTRICAL SYSTEMS: GENERAL ENGINEERING
QUESTIONS?