PROJECT NO.	SHEET

TRAFFIC SIGNAL WORK

GENERAL

THE TRAFFIC SIGNAL WORK, EQUIPMENT, AND MATERIALS INDICATED WITHIN THESE NOTES UNLESS SPECIFIED OTHERWISE SHALL BE PERFORMED BY THE CONTRACTOR IN ADDITION AND ACCORDING TO THE WORK REQUIREMENTS WITHIN THE CONTRACT DOCUMENTS.

THE FOLLOWING NOTES ARE TYPICAL FOR THE REMOVAL AND INSTALLATION OF TRAFFIC SIGNAL EQUIPMENT WORK FOR THE CITY/PARISH OF EAST BATON ROUGE DEPARTMENT OF PUBLIC WORKS.

Emergency Contacts. THE CONTRACTOR SHALL FURNISH THE CITY-PARISH WITH TWO LOCAL TELEPHONE NUMBERS FOR EMERGENCY USE IN CONTACTING THE IMSA LEVEL TWO (2) EMPLOYEES (SEE NOTE 1) OF THE CONTRACTOR REGARDING INCIDENTS INVOLVING THE CONTRACTOR'S CONSTRUCTION. THE CONTRACTOR SHALL RESPOND TO ANY EMERGENCY CALL IN ACCORDANCE WITH THE SCHEDULE DETAILED BELOW. SHOULD THE CITY-PARISH OR LADOTD BE REQUIRED TO TAKE OVER THIS DUTY DUE TO DELAYED RESPONSE, THE CONTRACTOR SHALL BE BILLED FOR ALL CITY-PARISH OR LADOTD EXPENSES INCURRED IN DOING SO. THE CONTRACTOR SHALL MAINTAIN AN ADEQUATE SUPPLY OF COMPONENT PARTS FOR THE SPECIFIC TYPE OF TRAFFIC SIGNALS BEING MAINTAINED DURING CONSTRUCTION. THE CITY-PARISH TRAFFIC ENGINEERING DIVISION WILL NOT FURNISH MATERIALS (EXCEPT AT THE DISCRETION OF THE CHIEF TRAFFIC ENGINEER) FOR USE ON THE CONTRACTOR MAINTAINED TRAFFIC SIGNALS.

PRIORITY ITEM	TIME OF OCCURRENCE	REQUIRED RESPONSE
NO SIGNAL INDICATION	6AM-6PM MON. THRU FRI.	TWO (2) HOURS
NO SIGNAL INDICATION	6PM-6AM AND WEEKENDS	FOUR (4) HOURS
SIGNAL HUNG UP, CONFLICT	6AM-6PM MON. THRU FRI.	ONE (1) HOUR
SIGNAL HUNG UP, CONFLICT	6PM-6AM AND WEEKENDS	TWO (2) HOURS
SIGNAL KNOCKDOWN	6AM-6PM MON. THRU FRI.	ONE (1) HOUR
SIGNAL KNOCKDOWN	6PM-6AM AND WEEKENDS	TWO (2) HOURS

Traffic Flow and Safety. THE CONTRACTOR SHALL MAINTAIN TRAFFIC FLOW DURING CONSTRUCTION AND SHALL COMPLY WITH ALL GOVERNING LAWS, ORDINANCES AND REGULATIONS REGARDING SAFETY, SO AS TO INSURE SAFETY OF THE WORKMEN AND THE TRAVELING PUBLIC DURING CONSTRUCTION.

Police Supervision. THE CONTRACTOR SHALL PROVIDE POLICE SUPERVISION (225-389-3874) OF TRAFFIC AT ANY TIME THE TRAFFIC SIGNAL SYSTEM IS NOT IN OPERATION AT NO DIRECT PAY. POLICE SUPERVISION SHALL CONTINUE UNTIL ALL EQUIPMENT HAS BEEN INSTALLED AND MADE OPERATIONAL IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.

Infrastructure Protection. THE CONTRACTOR SHALL PROTECT ALL EXISTING SIDEWALKS, CURB, AND DRIVEWAYS FROM DAMAGE DURING INSTALLATION OF SIGNAL EQUIPMENT AT NO DIRECT PAY. THE CONTRACTOR SHALL REPLACE AT NO DIRECT PAY-WITH AN APPROVED QUALITY EQUAL TO OR BETTER THAN THE ORIGINAL, ANY SIDEWALK, CURB, OR OTHER ITEMS DAMAGED DURING THE CONSTRUCTION. REPLACEMENT OF DAMAGED CURBS, SIDEWALKS AND DRIVEWAYS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS OF THE AGENCY OR OWNER HAVING JURISDICTION AND TO THE AGENCY'S OR OWNERS SATISFACTION.

UTILITIES

Underground and Overhead Utilities. THE LOCATION AND TYPE OF EXISTING UTILITIES SHOWN ON THE PLANS ARE NOT GUARANTEED TO BE ACCURATE NOR ALL INCLUSIVE. BEFORE PERFORMING ANY EXCAVATIONS, THE CONTRACTOR SHALL CONTACT (AT A MINIMUM) THE ENTITIES LISTED BELOW TO VERIFY THE EXACT LOCATION, DEPTH OR HEIGHT OF ALL UNDERGROUND OR OVERHEAD UTILITIES IN THE CONSTRUCTION ZONE:

"LOUISIANA ONE CALL" (DOTTIE).....TELEPHONE NO. 811 OR 1-800-272-3020
CITY-PARISH DPW TRAFFIC ENGINEERING DIVISION.....TELEPHONE NO. (225) 389-3246
CITY-PARISH DPW SANITARY SEWER DIVISION.....TELEPHONE NO. (225) 389-4858
CITY-PARISH DPW DRAINAGE.....TELEPHONE NO. (225) 389-3196
NORTH MAINTENANCE LOT.....TELEPHONE NO. (225) 389-5187
SOUTH MAINTENANCE LOT.....TELEPHONE NO. (225) 389-3250
EAST MAINTENANCE LOT.....TELEPHONE NO. (225) 389-4880
LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
TRAFFIC SERVICES DIVISION.....TELEPHONE NO. (225) 935-0100

THE CITY-PARISH AND LADOTD ARE NOT "LOUISIANA ONE CALL" MEMBERS AND MUST BE CONTACTED INDEPENDENTLY FOR UTILITY LOCATIONS. OTHER APPROPRIATE INDIVIDUAL UTILITY COMPANIES MAY ALSO NEED TO BE CONTACTED AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DO SO. NOTICE SHALL BE GIVEN AND SHALL INCLUDE A SPECIFIC LOCATION REQUEST FOR EXCAVATION OR DEMOLITION WORK TO BE PERFORMED AT LEAST FORTY-EIGHT (48) HOURS, BUT NOT MORE THAN ONE HUNDRED (100) HOURS, EXCLUDING WEEKENDS AND HOLIDAYS, IN ADVANCE OF ACTUAL WORK COMMENCEMENT. THE CONTRACTOR SHALL BE SOLELY LIABLE FOR ANY DAMAGES CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING INDEPENDENT INVESTIGATIONS, INCLUDING SUBSURFACE INVESTIGATIONS, AS NECESSARY (AT NO DIRECT PAY).

TRAFFIC SIGNAL EQUIPMENT REMOVAL

GENERAL

Salvageable Equipment. CITY-PARISH TRAFFIC SIGNAL EQUIPMENT AND CONTROL DEVICES AS DESIGNATED BY THE PLANS OR AS DIRECTED BY THE PROJECT ENGINEER SHALL BE DELIVERED BY THE CONTRACTOR TO THE CITY-PARISH TRAFFIC ENGINEERING DIVISION, 329 CHIPPEWA ST., BATON ROUGE LA. STATE TRAFFIC SIGNAL EQUIPMENT AND CONTROL DEVICES SHALL BE DELIVERED TO LADOTD TRAFFIC SERVICES SECTION, 7686 TOM DRIVE, BATON ROUGE, LA. DISPOSAL OF NON-SALVAGEABLE ITEMS SHALL BE AS DIRECTED BY THE PROJECT ENGINEER.

Foundations. THE CONTRACTOR SHALL DISPOSE OF EXISTING TRAFFIC SIGNAL CONTROLLER AND POLE BASE FOUNDATION AS DIRECTED BY THE PROJECT ENGINEER. POLE BASE FOUNDATION SHALL BE REMOVED TO A MINIMUM DEPTH OF 24" BELOW FINAL GROUND ELEVATION AND BACKFILLED WITH SUITABLE MATERIAL.

Detector loops. THE CONTRACTOR SHALL CONTACT CITY-PARISH TRAFFIC ENGINEER AT 389-3246, A MINIMUM FOURTY-EIGHT (48) HOURS, EXCLUDING WEEKENDS AND HOLIDAYS, PRIOR TO THE DESTRUCTION OF EXISTING TRAFFIC SIGNAL DETECTORS.

TRAFFIC SIGNAL SYSTEM CONSTRUCTION

GENERAL

Match Existing. NEW EQUIPMENT FURNISHED INCLUDING BUT NOT LIMITED TO POLES, MAST ARMS, SIGNAL HEADS, PEDESTRIAN HEADS, RAISED FOUNDATIONS, ETC. SHALL MATCH, INCLUDING COLOR, OR BE AESTHETICALLY EQUAL TO, THAT WHICH EXISTS IN THE AREA AND IS SCHEDULED TO REMAIN, UNLESS STATED OTHERWISE IN THE PLANS AND/OR SPECIFICATIONS.

Incidental Items. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL INCIDENTAL ITEMS INCLUDING, BUT NOT LIMITED TO NUTS, BOLTS, INSULATORS, FASTENINGS, TEMPORARY TRAFFIC CONTROL DEVICES, ETC. THAT IS NECESSARY FOR THE PROPER CONSTRUCTION OF THE TRAFFIC SIGNAL PROJECT BUT NOT SPECIFICALLY CALLED FOR, AS DIRECTED BY THE PROJECT ENGINEER, AT NO DIRECT PAY. ALL INCIDENTAL METALLIC HARDWARE SHALL BE HOT-DIPPED GALVANIZED STEEL OR STAINLESS STEEL.

Excavation Caution. ANY EXCAVATION PERFORMED BY THE CONTRACTOR IN PROXIMITY TO EXISTING TRAFFIC SIGNAL POLES OR DOWN GUYS MUST BE DONE WITHOUT UNDERMINING THEIR STABILITY. ALL RESTORATION WORK TO PRE-EXISTING CONDITIONS SHALL BE PERFORMED AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE AGENCY HAVING JURISDICTION.

Field Locations. THE LOCATIONS OF POLES, SIGNALS, LOOP DETECTORS, SYSTEM SENSORS, CONTROLLERS AND JUNCTION BOXES AS SHOWN ON PLANS ARE APPROXIMATE. THE EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD. THE CONTRACTOR SHALL MAKE ADJUSTMENTS IN LOCATIONS TO CONFORM TO EXISTING FIELD CONDITIONS.

SIGNAL POLE & FOUNDATION

Location. THE PROPOSED LOCATION OF EACH SIGNAL POLE FOUNDATION SHALL BE APPROVED BY THE TRAFFIC ENGINEER PRIOR TO INSTALLATION. THE CONTRACTOR SHALL INSTALL THE FOUNDATION AS SOON AS POSSIBLE AFTER APPROVAL AND SHALL NOT ORDER POLES UNTIL FOUNDATION INSTALLATION IS COMPLETED. CONTRACTOR SHALL NOTIFY TRAFFIC ENGINEERING IMMEDIATELY IF CONFLICTS ARE FOUND AT THE APPROVED LOCATION.

Inspection. POLE INSTALLATIONS SHALL BE INSPECTED AT SEVERAL STAGES, INCLUDING BUT NOT LIMITED TO FOUNDATION EXCAVATION, BOLT, REBAR AND CONDUIT INSTALLATIONS, POLE SET FOR PROPER RAKE, LUMINAIRE INSTALLATIONS, WIRING, GROUNDING AND BONDING. CONTRACTOR SHALL COORDINATE WORK WITH PROJECT ENGINEER FOR APPROVAL OF INSTALLATION. INSPECTION OF ANY WORK ITEM SHALL NOT RELIEVE THE CONTRACTOR OF ANY OBLIGATION TO PROPERLY FULFILL THE CONTRACT REQUIREMENTS.

CONDUCTORS/CABLES

Installation Methods. CONDUCTORS AND CABLES FROM SIGNAL HEADS AND DETECTORS SHALL BE RUN IN UNDERGROUND CONDUIT, ON POLES OR ON MESSENGER CABLE, AND SHALL FOLLOW THE MOST DIRECT ROUTE TO THE CONTROLLER CABINET.

Traffic Control Cable. TRAFFIC CONTROL CABLE SHALL BE CONTINUOUS (NO SPLICES) FROM CONTROLLER CABINET TO LOOP JUNCTION BOXES AND FROM CONTROLLER CABINET TO SERVICE DISCONNECT BOX. ON STRAIN POLE INSTALLATIONS, SIGNAL CABLE SHALL BE CONTINUOUS FROM CONTROLLER CABINET TO DISPLAY. ON MAST ARM INSTALLATIONS, SIGNAL CABLE SHALL BE CONTINUOUS FROM CONTROLLER CABINET TO SIGNAL HEAD ON MAST ARM. WHEN TERMINAL BLOCK IS USED, SIGNAL CABLE SHALL BE CONTINUOUS FROM CONTROLLER CABINET THROUGH TERMINAL BLOCK/HANDHOLE AT POLE BASE TO DISPLAY.

Fiber Optic Cable. FIBER OPTIC CABLE SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS STANDARDS ASSOCIATION (IEEE-SA) REQUIREMENTS.

CONDUIT

Underground Conduit Installation. UNDERGROUND CONDUITS SHALL BE POLYETHYLENE CHLORIDE (PEC), SCHEDULE EIGHTY (80), AND SHALL BE INSTALLED AT A MINIMUM DEPTH OF THIRTY SIX (36) INCHES BELOW NEW OR EXISTING GRADE.

Boring Method. CONDUIT INSTALLED WITHIN DRIP LINE OF TREES OR UNDER EXISTING PAVED DRIVEWAYS, THAT ARE NOT SCHEDULED TO BE RECONSTRUCTED AS PART OF THE PROJECT, SHALL BE INSTALLED BY BORING METHODS THAT HAVE BEEN REVIEWED AND APPROVED BY THE PROJECT ENGINEER. MINIMUM DEPTH IS THIRTY-SIX (36) INCHES BELOW GRADE, WHETHER NEW OR EXISTING GRADE.

Cleaning. CONDUITS SHALL BE CLEANED BY COMPRESSED AIR AND A PROPERLY SIZED CONDUIT PISTON OR MANDREL PRIOR TO CABLE INSTALLATION.

Conduit Capacity. PRIOR TO CONDUIT INSTALLATION, THE CONTRACTOR SHALL VERIFY THAT NO MORE THAN FORTY PERCENT (40%) OF THE CAPACITY AREA IS REQUIRED FOR THE PROPOSED CONDUCTORS. ANY CONDUITS FOUND INADEQUATE SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER PRIOR TO INSTALLATION. THE CONTRACTOR WILL BE REQUIRED TO REMOVE AND REPLACE INSTALLED CONDUIT WITH APPROPRIATE SIZED CONDUIT IF CONTRACTOR FAILS TO NOTIFY PROJECT ENGINEER.

PAVEMENT MARKINGS

Marking Layout. THE LAYOUT OF NEW PAVEMENT MARKINGS FOR ALL INTERSECTIONS SHALL BE APPROVED PRIOR TO COMMENCEMENT OF THE WORK.

FOR INFORMATION PURPOSES ONLY

STATE OF LOUISIANA
INGOLF A. PARTENHEIMER
REG. No. 28190
REGISTERED PROFESSIONAL ENGINEER IN ELECTRICAL ENGINEERING

DECEMBER 4, 2008

DATE	DESCRIPTION	BY
	REVISIONS	

STANDARD PLAN NO.	DATED	SHEET NO.
906–01	DECEMBER 4, 2008	1 OF 6

GENERAL NOTES

ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS
CITY OF BATON ROUGE & PARISH OF EAST BATON ROUGE

DESIGNED	DRAWN	CHECKED	APPROVED
T.E.D.	G. VANNICE	D. ROSENQUIST	I. PARTENHEIMER

906–01

ENGINEERING ACADR14 STDLAY FORM G.V.