TRAFFIC SIGNALS NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR CONTACTING PUBLIC WORKS ELECTRICAL DIVISION FOR PRE-CONSTRUCTION MEETINGS AND INSPECTIONS FOR CONSTRUCTION OF STREET LIGHTS AND SIGNAL LIGHTS.
2. ALL WORK IN THE PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED BY A CALIFORNIA LICENSED CLASS "A" CONTRACTOR, UNLESS OTHERWISE APPROVED BASED ON THE SCOPE OF WORK AND THE CONTRACTOR'S LICENSE.
3. ALL NEW OR REPLACED SIGNAL LIGHT SYSTEMS SHALL CONSIST OF THE FOLLOWING EQUIPMENT UNLESS OTHERWISE APPROVED TO BE OMITTED OR REVISED BY THE PUBLIC WORKS ELECTRICAL DIVISION.

POLE:	SIGNAL POLE SHALL COMPLY WITH CALTRANS STANDARDS. COLOR SHALL BE STEEL OR GREY.
CABINET:	SHALL BE A 350i ATC CABINET. CABINET SHALL BE TESTED BY THE ELECTRICAL DIVISION 30 DAYS PRIOR TO FIELD INSTALLATION
CONTROLLER:	SHALL BE A 2070LX CONTROLLER WITH D4 SOFTWARE INSTALLED. CONTROLLER SHALL BE TESTED BY THE ELECTRICAL DIVISION 30 DAYS PRIOR TO FIELD INSTALLATION
DETECTION:	INTERSECTION TRAFFIC DETECTION SHALL CONSIST OF THE ITERIS VANTAGE VECTOR HYBRID SYSTEM.
MANAGEMENT:	INTERSECTION TRAFFIC MANAGEMENT SHALL BE INTEGRATED INTO THE CITY'S SYSTEM. THE INTERSECTION SHALL INCLUDE THE KIMLEY-HORN ADAPTIVE TRAFFIC CONTROL SYSTEM SWITCHES FOR THE KITS ADVANCED TRAFFIC MANAGEMENT SYSTEM (ATMS).
BATTERY:	BACK-UP BATTERY SYSTEM SHALL BE ECONOLITE DBLMX1000U-48 INVERTER WITH ZX2000-48 BATTERY UNIT, BPHS-1500-D BYPASS SWITCH, AND ZXDC-CABLE-DBLMXU-48 CABLE. BACK-UP BATTERY SYSTEM AND BATTERY SHALL BE INSTALLED INSIDE THE CABINET.
PEDESTRIAN:	PEDESTRIAN PUSH BUTTON SYSTEM SHALL BE INSTALLED FOR PEDESTRIAN CROSSINGS AND CONSIST OF A POLARA RACK-MOUNT CARD CONTROL UNIT AND iDS2 (iDETECT 2-WIRE) PUSH BUTTON EQUIPMENT WITH TOUCHLESS ACTIVATION. SIGNAL HOUSING SHALL BE MCCAIN PEDESTRIAN SIGNAL HOUSING 16-INCH POLYCARBONITE BLACK WITH 16-INCH VANTAGE VISOR. PEDESTRIAN SIGNAL SHALL BE GTX CITY LED COUNTDOWN PEDESTRIAN SIGNAL.
STREET SIGN:	MAST ARM MOUNTED STREET SIGNS SHALL BE TEMPLE EDGE-LIT INTERNALLY-ILLUMINATED LED SIGNS. COLORS SHALL COMPLY WITH CALTRANS STANDARDS.
SIGNALS:	SIGNAL LIGHTS ASSEMBLY AND VISORS SHALL BE POLYCARBONITE BLACK. SIGNAL BACKPLATES SHALL BE 5-INCH WIDTH ABS INTEGRALLY MOLDED WITH REFLECTIVE TAPE. SIGNAL MODULES SHALL BE GTX CITY VLA MODEL (CALTRANS) LED 12-INCH.
LUMINAIRES:	STREET LIGHT SHALL BE CREE GUIDEWAY LED STREET / AREA LUMINAIRE STREET LIGHT FIXTURE.
PREEMPTION:	EMERGENCY VEHICLE PREEMPTION (EVP) SHALL CONSIST OF THE OPTICOM INFRARED SYSTEM.
MOUNTING:	ALL MOUNTING CONFIGURATIONS SHALL BE PER CALTRANS STANDARDS UNLESS OTHERWISE APPROVED.
CONNECTION:	RUN FIBER OR SIGNAL INTERCONNECT CABLE TO NEAREST INTERSECTION AND SPLICE CABLE INTO CITY SIGNAL SYSTEM. PULL BOXES SHALL BE CHRISTY N48 WITH "SSF FIBER" AS THE COVER LABEL.
CONDUITS:	STREET LIGHT CONDUITS SHALL BE 2-INCH MINIMUM. ANY EMPTY CONDUIT INSTALLED FOR FUTURE USE SHALL HAVE PULL ROPES INSTALLED.