



CITY OF BAYTOWN

PUBLIC WORKS & ENGINEERING DEPARTMENT

2123 Market Street
Baytown, Texas 77520
(281) 420-5300

City Traffic Signal Requirements

- Traffic Signal must meet latest version of TMUTCD (Texas Manual on Uniform Traffic Control Devices) requirements.
- Timing sheets need to be provided with the construction plans and they shall be signed and sealed by a registered engineer.
- Plans shall have the following note, “Contractor to notify PWE (Rafael.Errisuriz@baytown.org (EZ), Johana.Campos@baytown.org, Kevin.Hilyard@Baytown.org, Miguel.Villalon@baytown.org) at least 72 hours ahead of when the contractor will need access traffic cabinets, change timings, or other similar activities.
- Signal Equipment shall be Cubic Trafficware
- Advanced Transportation Management Software (ATMS) with the license purchased
- Traffic Signal Cabinet
 - NEMA 68” Tall TS2 Type 1 Traffic Controller Cabinet, 16 Load Bay (70006-3050), Double Door Enclosure: 44” W x 26” D x 68” T, Base Mount, Natural Aluminum Exterior Finish, Painted White Interior with Black Anodized Panels
 - 1 - 980 ATC, Type 1 Controller
 - 1 - EDI MMU Smart Monitor
 - 1 - TS2 Power Supply
 - 3 - BIU’s
 - 16 - Load Switches
 - 1 - Flasher
 - 6 - Flash Transfer Relays
- Signal Detection:
 - Wavetronix Radar Detection System
- Axis PTZ Camera
 - P5655-E
 - T8134 Midspan 60W
 - T91G61 Wall Mount
 - T97B51 Pole Mount
- Modem
 - IOT 6 YR IBR Router w/WiFi (1200Mbps modem)
 - EXTR POE+SWT 8-10/100/1000MB RJ45 POE+
 - M2M MiMo LTE, 1x Wi-Fi, 3m/9ft. SMA
 - COR IBR Power Supply COR IBR900/IBR950, IBR600B/IBR650B IBR600C/IBR650C
- Multifunction MiMO Antenna

CITY TRAFFIC SIGNAL REQUIREMENTS

- L[G]AM-7-27-{X}24-58
 - Low Profile Design
 - MiMO 5G/4G/3G/2G+Single or 2x2 MiMO 2.4/5GHz
 - Optional GPS/GNSS
- Signal Heads
 - McCain TX-DOT Black Poly Signal Heads
- Back Plates
 - McCain Aluminum Louvered Black
- Signal Head Mounting System
 - Pelco Astro-Brac Stellar Horizontal Mast Arm Assy for Appropriately Sized Signal Heads and Signs
- LED Light Modules (R, Y, G)
 - GE, Dialight (Tinted)
- Pedestrian Signal Assembly
 - TX-DOT Spec (Polara)
- Signal Wiring
 - TX-DOT Spec
- Lighted Street Name Sign
 - Sa So Lighted Street Name Sign Black w/City Logo (Color), White Lettering, Blue Background
- Uninterrupted Power Supply (UPS)
 - Clary SP 1400 LT
- Traffic signal shall have a 1 year warranty period from the time that the City accepts the traffic signal.