

TRAFFIC SIGNAL PLAN CHECKLIST - SECOND SUBMITTAL

| TRAFFIC SIGNAL PLAN SUBMITTAL REVIEW | | | | SECOND SUBMITTAL |
|---|-----------|------------|---|--|
| | | | | Notes: |
| | | | | 1. City Standard Details refer to the City of San Jose Standard Details, dated July 1992 |
| | | | | 2. Section's reference are found in Caltrans 2006 Standard Plans and Specifications |
| | | | | 3. The City Standard Details & Specifications and Caltrans 2006 Standard Plans and Specifications take precedence over these checklists. |
| | | | | |
| | | | | |
| Yes | No | N/A | ITEM OR DESCRIPTION | |
| | | | <u>General</u> | |
| | | | Incorporates requirements from 'Initial Submittal' checklist and all plan check comments? | |
| | | | | |
| | | | <u>Design Layout</u> | |
| | | | Do the mast arm lengths and distance between traffic signal heads they comply with CalTrans standards? Do they match pole & equipment schedule? | |
| | | | Are pedestrian signal heads, all detector loop zones, and pushbutton ped phase shown correctly according to phase diagram? | |
| | | | Do the Emergency Vehicle Detectors match the conduit and conductor schedule? | |
| | | | Do the Vehicle Detectors Phase labels match phase diagram and shown on conduit and conductor schedule correctly? 2.5" minimum for conduits with Video Detection cables. | |
| | | | Do the phases for each vehicle head match the phase diagram and conduit and conductor schedule? | |
| | | | Do the pedestrian signal head and pushbutton match conduit & conductor schedule and pole & equipment schedule? | |
| | | | Are the pull box information filled out in the pole & equipment schedule? | |
| | | | Are pull boxes placed outside of the wheelchair ramps? | |
| | | | Is service cabinet and north arrow identified on streetlight diagram? Do they match traffic signal layout. | |
| | | | Do the new, existing, and salvaged equipment match the pole & equipment schedule and the conduit & conductor schedule? | |
| | | | Includes No. 7 pull box for home run boxes? Are pull boxes minimum size No. 6? | |
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|-----|----|-----|--|
| | | | Includes equipment ground in all conduits? Pull Rope in all empty conduits? |
| | | | Are street crossings 3" conduits? |
| | | | Includes minimum 25PR SIC cable as required? Are there fiber optic needed? |
| | | | Are all salvaged, existing, and new equipment shown on pole & equipment schedule? Are quantities of equipment shown correctly? |
| | | | Do existing/new conduits on traffic signal layout match conduit & conductor schedule? |
| | | | Are there 3 - #14 Spares and 1 - #10 Neutral located in conduit runs from pull box to pull box? |
| | | | Is the irrigation, POS, MIS, Street Lighting, etc loads coordinated? |
| | | | Are civil improvements verified? |
| | | | Are circuits split appropriately? (e.g. ) |
| | | | PG&E Service Point shown? |
| | | | Are all conduit system shown? |
| | | | Are all pole and equipment accounted for in pole & equipment schedule? |
| | | | Is USA logo shown? |
| | | | |
| | | | <u>Traffic Signal Lighting</u> |
| | | | Have all lighting changes been incorporated? |
| | | | Do the luminaire types on the plan match streetlight diagram and pole & equipment schedule? |
| | | | Are pole numbers shown for existing streetlights that will be upgraded and salvaged streetlights? |
| | | | |
| | | | <u>PG&E Service Request</u> |
| | | | Is service point needed? If it is, has a service for signal with PG&E set up? If not, would they like the City to apply? |
| | | | If City is to apply for signal set up, request PG&E to determine service point to be identified on the plans before the plans are finalized and request PG&E to begin engineering for the service point. The service point can usually be identified in 30 days. The engineering and tariff process can take up to 6 months. |

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| | | | Once the tariff agreement and engineered drawings are received by the City, the tariff agreement is signed by City staff (Section Manager or Division Manager depending on amount of tariff). |
| | | | |
| | | | Development Staff contacts Developer with cost of tariff and Developer writes check for that amount to PG&E. The check is brought to the DART Team and the check and signed tariff are sent to PG&E. |
| | | | |
| | | | Once PG&E has received the tariff and the check, PG&E will begin construction of the service point as soon as the connect order is sent in. |