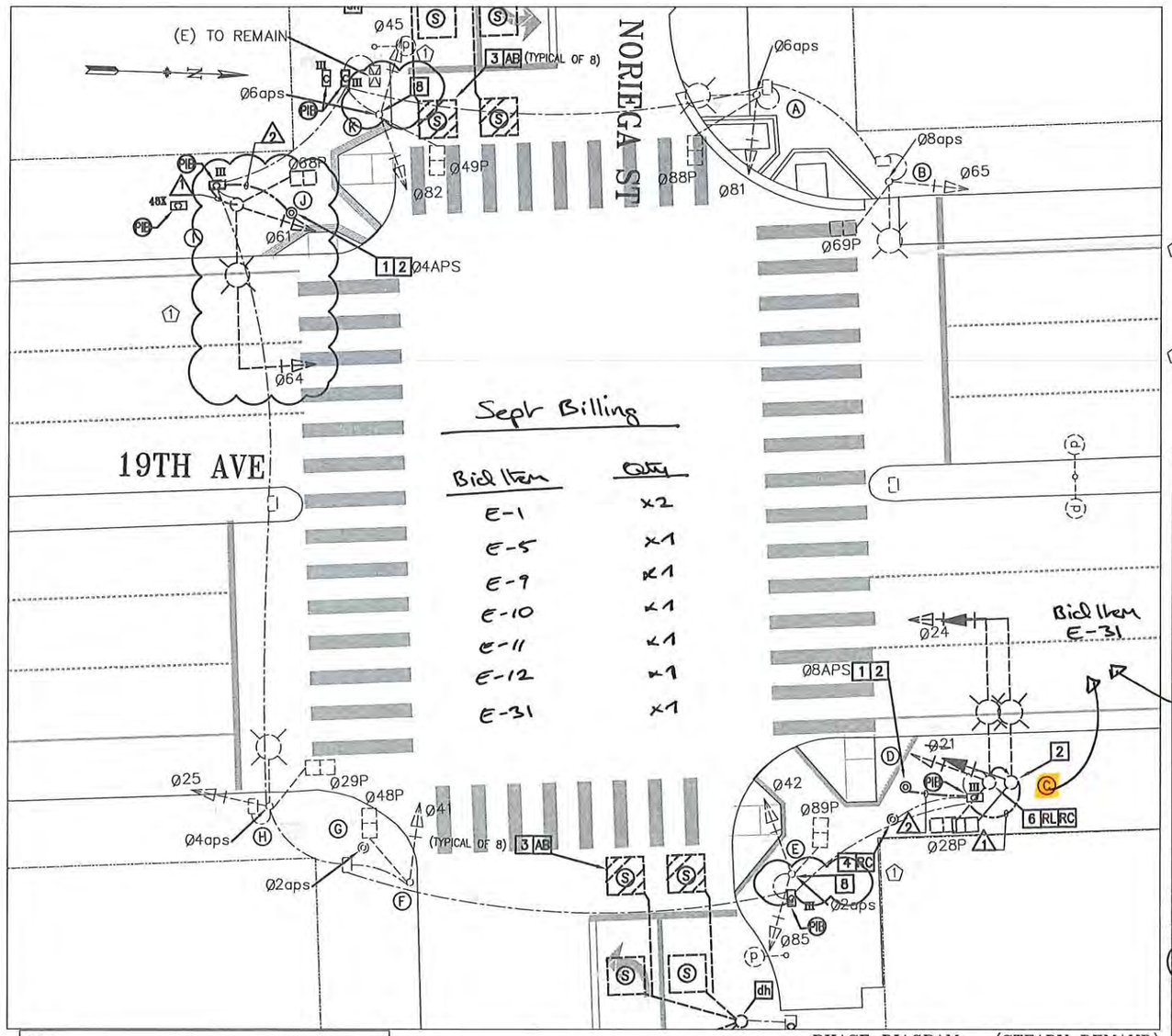



Sept Billing

| Bid Item | Qty |
|---|---|
| E-1 | x2 |
| E-5 | x1 |
| E-9 | x1 |
| E-10 | x1 |
| E-11 | x1 |
| E-12 | x1 |
| E-31 | x1 |

## CONDUIT

1. F/I 1-2" GRS; WIRING PER SHEET NOTE 2.
2. F/I 1-1" PVC; WIRING PER SHEET NOTE 2.

## SHEET NOTES

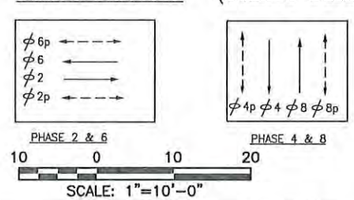
1. CONTRACTOR TO PROVIDE APS WIRING. CITY FORCES TO PROVIDE APS PUSH BUTTON PER ADA REQUIREMENTS.
2. PROVIDE NEW WIRING TO MATCH EXISTING WIRING AND QUANTITY BACK TO CONTROLLER WITHOUT SPLICING. IF EXISTING WIRING HAS ENOUGH SLACK, CONTRACTOR HAS OPTION TO REUSE WITH SFMTA APPROVAL.
3. CONTRACTOR TO AB LOOP DETECTORS. CITY FORCES TO INSTALL WIRELESS SENSYS DETECTORS IN PLACE OF LOOP DETECTORS.
4. REMOVE AND RC EXISTING POLE, FOUNDATION, AND ASSOCIATED CONDUIT.
5. NOT USED.
6. REUSE AND RL EXISTING MAST ARM POLE AS INDICATED BY POLE C ON NEW FOUNDATION. RL EXISTING STREET LIGHT FIXTURE. RC EXISTING TRAFFIC SIGNAL EQUIPMENT, MOUNTINGS, ASSOCIATED CONDUIT, AND FOUNDATION. PROVIDE NEW TRAFFIC SIGNALS AND MOUNTINGS PER POLE AND EQUIPMENT SCHEDULE. PROVIDE TEMPORARY SIGNAL AND LIGHTING AS REQUIRED.
7. NOT USED.
8. ADJUST POLE TO FINISHED GRADE. COUPLE AND EXTEND ANCHOR BOLTS PER CALTRANS REVISED STANDARD PLANS RSP ES-7B DETAIL C.

## POLE AND EQUIPMENT SCHEDULE (EXISTING POLE AND EQUIPMENT UNLESS OTHERWISE NOTED)

| POLE | STANDARD | | | VEHICLE SIGNAL | | | PEDESTRIAN SIGNAL | | | APS | FIXTURE TYPE | SPECIAL REQUIREMENT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TYPE | SMA | LMA | No. | TYPE | MOUNTING | No. | TYPE | MOUNTING | | | |
| A | 15TS | – | 8 | 81 | 3S12" | SV-1-T | 88 | 1S-COUNT | SP-1-T | Ø6P | 108 (LED) | BACKPLATE |
| B | 15TS | – | 8 | 65 | 3S12" | SV-1-T | 69 | 1S-COUNT | SP-1-T | Ø8P | 108 (LED) | BACKPLATE |
| C | 19-4-100 | 25 | 8 | 21<br>24 | 3S12"<br>3S12" | SV-1-T<br>MAS | 28 | 1S-COUNT | SP-1 | – | 108 (LED) | BACKPLATE |
| D | PBA POST (5') | – | – | – | – | – | – | – | – | Ø8P | – | – |
| E | 1-A(10') | – | – | 42<br>85 | 3S12"<br>3S12" | TV-2-T | 89 | 1S-COUNT | SP-1-T | Ø2P | – | BACKPLATE |
| F | 1-A(10') | – | – | 41 | 3S12" | TV-1-T | 48 | 1S-COUNT | SP-1-T | – | – | BACKPLATE |
| G | PBA POST (5') | – | – | – | – | – | – | – | – | Ø2P | – | – |
| H | 15TS | – | 8 | 25 | 3S12" | SV-1-T | 29 | 1S-COUNT | SP-1-T | Ø4P | 108 (LED) | BACKPLATE |
| I | 19-4-100 | 25 | 8 | 61<br>64 | 3S12"<br>3S12" | SV-1-T<br>MAS | 68 | 1S-COUNT | SP-1 | – | 108 (LED) | BACKPLATE |
| J | PBA POST (5') | – | – | – | – | – | – | – | – | Ø4P | – | – |
| K | 1-A(10') | – | – | 45<br>82 | 3S12"<br>3S12" | TV-2-T | 49 | 1S-COUNT | SP-1-T | Ø6P | – | BACKPLATE |

NOTE;
THIS AUTOCAD DRAWING HAS BEEN REVISED AND REPLOTTED SUBSEQUENT TO INTERNAL ENGINEERING APPROVAL AND SIGN-OFF. FOR THOSE SIGNATURES, SEE THE DRAWING PLOTTED AND ISSUED PREVIOUSLY DURING BIDDING. THE SIGNED DRAWING REMAINS VALID EXCEPT FOR THE CHANGES ONLY AS CLEARLY MARKED ON THIS DRAWING AND ISSUED UNDER THIS LATEST REVISION NUMBER AS SHOWN IN THE TABLE OF REVISIONS LOCATED AT THE LOWER LEFT CORNER OF THE DRAWING. ALL ISSUED REVISIONS SUBSEQUENT TO PREVIOUSLY PLOTTED DRAWING DURING BIDDING REMAIN VALID UNLESS SUPERSEDED BY LATER ISSUED REVISIONS. CHECK ALL ISSUED REVISIONS OF THIS DRAWING.

PHASE DIAGRAM: (STEADY DEMAND)




| PLAN APPROVAL DATE | CONTRACT No. | PROJECT ID | DISTRICT | COUNTY | ROUTE | POST MILES TOTAL PROJECT |
|---|---|---|---|---|---|---|
| | 04-0G3501 | 0400000325 | 04 | SF | 1 | R0.94/4.05 |

| NO. | DATE | DESCRIPTION | BY | APP. |
|---|---|---|---|---|
| 1 | 10/28/20 | PCO#2 POLE RELOCATION | KS/MA | MV |

TABLE OF REVISIONS
THIS DRAWING WAS LAST MODIFIED: 02/24/21 11:11, BY: MAung

REFERENCE INFORMATION & FILE NO. OF SURVEYS

SEAL OF THE CITY AND COUNTY OF SAN FRANCISCO

SAN FRANCISCO PUBLIC WORKS
BUREAU OF ENGINEERING
CITY & COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
30 VAN NESS AVENUE, 5TH FLOOR
SAN FRANCISCO, CA 94102 - 6028

| | | Date: |
|---|---|---|
| Acting Section Mgr: | PHILIP THWIN | |
| Deputy Bureau Mgr: | FERNANDO CISNEROS | |
| Acting Bureau Mgr: | IQBAL DHAPA | |

| | |
|---|---|
| DESIGNED: KS/DG | DATE: 02/2018 |
| DRAWN: KS/DG | DATE: 02/2018 |
| CHECKED: MV/SL | DATE: 02/2018 |

REGISTERED PROFESSIONAL ENGINEER STEVEN T. LEE NO. E15417 ELECTRICAL STATE OF CALIFORNIA

SCALE: AS SHOWN

SHEET OF SHEETS 114 OF 356

19TH AVENUE (STATE ROUTE 1)
COMBINED CITY PROJECT

19TH AVENUE AND NORIEGA STREET

CONTRACT NO. 1000005832
DRAWING NO. E-15.0
FILE NO. 111,411
REV. NO. 1

Xrefs: _DE1_TBD.dwg
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V:\2652L_19th_Avenue_Combined_City_Project\2_Design\Working_Drawings\EEL\Current\Xref\X-DSGN-19th Ave_Striping_113017.d

Drawing Path: V:\2652L_19th_Avenue_Combined_City_Project\3_Construction\Design_Team\EEL\19th Ave Pole Relocation\04-E-15.15-Noriega_02242021.dwg, Login: MAung
Plot Time: Wed, 24 Feb 2021 - 11:14am
Model Units: Undefined
Measurement Units are English