GENERAL NOTES:

1. All work, materials and equipment shall be furnished by the Contractor and shall conform to the 2012 California Manual of Uniform Traffic Control Devices [note].

2. The Contractor shall furnish all necessary forms and notify all affected utility companies and agencies at least 12 hours in advance of construction.

3. Pole detector and equipment locations are approximate. The Engineer shall approve the exact locations of all equipment placement in the field prior to installation. Contractor shall pay for all conflicts unless directed by the Engineer.

4. All pole locations shall be 1’3” off main road plane and metal, wood, signal section housing shall be metal. Vehicle indications shall be red, yellow and green and shall utilize light emitting diode (LED) sections. Pedestrian indications shall utilize international standards, and utilize LED count down modules. Pedestrian high button shall be the type A UL with international standards, flush, etc.

5. All pull boxes shall be of steel, unless otherwise noted and have a minimum spacing of 200” between pull boxes. Pull boxes and covers shall be concrete. Covers shall have the warning “Traffic Signal” pull box accessory to the controller cabinet shall be type B. Pull boxes with 4 or more conductors shall be type C.

6. Fusing signal operation shall be red on all pull boxes.

7. All traffic signal equipment cabinets shall be of type 3, soxocel box, unless otherwise noted, with an 20” cover.

8. Traffic signal equipment cabinets shall be installed with 6 pair 16 signal interconnect cables, in a common trench. Refer to electrical plans.

9. All W/ F2 and vide detector locations and installations shall be verified in the field by the Engineer of his designated representatives before final cutting. Necessary stringing shall be done prior to positioning the detectors.

10. Install ground conductors in all new installed cabinets containing power conductors and a 8/0 ground conductor if conductors contain no power conductors.

11. Traffic signal safety lighting luminaries shall be the most LED with type 3 medium entry distribution. Refer to project service notes, G-411, G-412.

12. Conductor schedule is furnished as an installation guideline only. It shall be the contractor’s responsibility to provide the correct cables and conductors required for the intended operation.

13. Service equipment enclosures shall be 1’2” to 1’3” from the controller and separated from all utility poles by a minimum of 15 feet, unless otherwise directed by the Engineer. Refer to detail #4 on Plan No. TS-414.

14. All new installed 41-pole foundations shall have anchor bolts with sleeve nuts per caltrans sec plan E-78.

15. Undersurface conductors shall not be spaced.

16. The Contractor shall be responsible for providing a detailed traffic control plan for any street and removing older investigators with the traffic signal construction and coordination. Provide all necessary traffic control devices during the signal installation, in accordance with the 2012 California Manual of Traffic Control Devices [note].

17. For stripping do white stripes and signing plans (plan numbers SPO-401 through SPO-403).

18. All sign panels shall conform to the caltrans sign and specification sheets and shall be mounted on post 7’7” from ground.

19. The exact location of all signs and pavement markings shall be determined by the Engineer in the field.

20. All traffic signal equipment shall be installed prior to traffic signal sign on.

21. All pavement delineation equipment shall be completed at least one day prior to traffic signal sign on.

22. Conduit between adjacent pull boxes shall be 2.5” unless shown otherwise.

23. W/F and vide detector installations shall be centered in the median, and be 8’6” wide. An F/D detector shall be installed with 1/2 inch of clearance to top of final pavement surface. Section housing shall be for all multi participated signals. Per section B-6(c)-1(2) of the standard manual.

24. Pull boxes shall not be located in 1’2” of any curbs. Abandon tap before hard or dry.

25. The Contractor shall notify the Engineer the precise field locations of all traffic signal equipment prior to the installation.

26. All lamping fixtures used by construction activities shall be removed or replaced to the satisfaction of the City.

27. New and/or modified regulatory signs shall be fabricated with acta type 5 reflective sheeting or approved equal.

28. Street name signs (TBS) shall be relocated if necessary. Street name legend shall be 40” in height, and shall be located in the median, and be 8’6” wide. All street name signs shall be the city’s current standard.

29. Contractor shall coordinate with the City of Inglewood Traffic Signal Maintenance Division (5) working days prior to installing a traffic signal.

30. Pedestrian push buttons shall be 40” in height and shall be installed in the median, and be 8’6” wide. All pedestrian push buttons shall be constructed of high density thermoplastic and utilize push switch technology. Push button color shall be yellow, exposed body shall be black, push button ‘OFF’ or ‘ON’ and shall conform to the 2012 California Manual of Uniform Traffic Control Devices [note].

GENERAL NOTES CONTINUED:

31. The Contractor shall furnish all necessary fixtures and shall notify all affected agencies and companies, including the city of Inglewood, Traffic Signal Maintenance Division, 48 hours prior to start of construction.

32. Existing traffic signal heads and poles shall be salvaged, including existing pole foundations [specified with metal material to the relative contractor unless noted otherwise].

33. Existing traffic signal controller cabinets that are to remain in place and reused, shall be protected in place.

34. All existing conduits not shown for reuse shall be abandoned.

35. All existing pull boxes not shown for reuse shall be removed and become the property of the contractor.

ABBREVIATIONS:

AP: ACCESSIBLE PED SIGNAL
BD: BATTERY BACKUP SYSTEM (NEW/RENEW)
BP: EMERGENCY VEHICLE PREEMPTION DETECTOR
BP: NEW BUILDING, HIGH WATER FLOW
BP: TRAFFIC SIGNAL
BP: PHONE ELECTRIC UNIT
BP: ENTRANCE Lieutenant V. STREET NAME SIGN

STANDARD NOTES:

A1. Manholes, if applied to conduit, remove conductors.

A2. Install pull box in existing conduit run.

A3. Install conduit into existing pull box.

A4. Connect new and existing conduit. Remove existing conductors and install new conductors as indicated.

A5. Protect in place.

A6. Equipment or materials to be removed and become the property of the contractor.

A7. Request equipment.

A8. Remove and salvage equipment.

LEGEND:

--- DUAL NOTE SERVICE PERMANENT
--- EXISTING UTILITY
--- EXISTING CTV CAMERA
--- PROPOSED VIDEO DETECTORS
--- PROPOSED PVOS OPTIC
--- PROPOSED VC DETECTOR
--- PROPOSED VWD DETECTOR AREA
--- PROPOSED VWD DETECTOR AREA
--- EXISTING VWD DETECTOR AREA

CITY OF INGLEWOOD MAINTAINED
100% CITY OF INGLEWOOD

100% CITY OF INGLEWOOD

REVISIONS

PROJECT TITLE: PLANS FOR IMPROVEMENT OF CENTURY BOULEVARD
DOTY AVE TO VAN NESS AVE
TRAFFIC SIGNAL PLANS - GENERAL NOTES & LEGEND

5/18/2015

ST-405
NOTES:
1. BBS cabinet shall be attached to the 302 controller cabinet where indicated on the traffic signal plans. Refer to detail "G" hereon.
2. The BBS cabinet shall contain the UPS and the batteries.

BATTERY BACKUP SYSTEM CABINET (BBS)

DETAIL "G"

SECTION A-A

* REFER TO PLAN NO. TS-4018 AND DETAIL "I" ON PLAN NO. TS-401A

CONTROLLER CABINET/BBS LOCATION

SECTION "I"

NOT TO SCALE

SECTION "J"

NOT TO SCALE

SECTION "K"

NOT TO SCALE

SECTION "H"

NOT TO SCALE

NOT TO SCALE

NOT TO SCALE
MODIFIED MODEL 332 AND 334 CABINET
FOUNDATION DETAIL FOR BATTERY BACKUP SYSTEM (BBS)

NOTE: (THIS SHEET ONLY)
1. THE EXTERNAL BBS CABINET SHALL BE MOUNTED TO THE MODEL 332 OR 334 CABINET WITH FOUR 1/8 X 8 STAINLESS STEEL 1/4" HEAD FULL THREAD, 1/2-13 X 1 1/2" BOLTS AND TWO WASHERS PER BOLT. DESIGNING FOR 1/8 X 8 FORM A HARDENED STEEL, THE BOLTER WILL HAVE TO APPROVE THE BOLT MOUNTING LOCATION PRIOR TO INSTALLATION.
2. THE ANCHOR BOLTS SHALL BE 3/8 X 4 X 4 1/2" WITH A 90° BEND. THE CARRIER MANUFACTURER'S SPECIFICATION SHALL DETERMINE THE LOCATION OF THE ANCHOR BOLTS IN THE FOUNDATION. THE BOLTER WILL HAVE TO APPROVE THE ANCHOR BOLTS AND ITS LOCATION IN THE FOUNDATION PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR SHALL VERIFY THE DIMENSIONS OF THE BBS CABINET PRIOR TO CONSTRUCTING THE FOUNDATION. THE CONTRACTOR WILL HAVE TO APPROVE ANY NECESSARY DEVIATIONS PRIOR TO CONSTRUCTION.
4. ALL DIMENSIONS ARE NON-SCALE.

CONDUIT AREA (10" x 10")

ELECTRICAL SYSTEMS
(BBS FOUNDATION DETAILS)
### Pole and Equipment Schedule

<table>
<thead>
<tr>
<th>No.</th>
<th>Standard</th>
<th>LED Luminaire Type</th>
<th>R.E.S. Legend</th>
<th>Vehicle</th>
<th>Pro ID</th>
<th>Quad</th>
<th>Phase</th>
<th>Arrow</th>
<th>A</th>
<th>B</th>
<th>Remarks</th>
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<tr>
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<td>20A-5-T2RE0</td>
<td>TV1-T2RE0</td>
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<td></td>
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<td>11-#14</td>
<td>20A-4-T200</td>
<td>35'(E)</td>
<td>100W</td>
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<td>REPLACE EXISTING ROW</td>
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<td></td>
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<td></td>
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<td>REPLACE EXISTING ROW</td>
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### Conductor and Conduit Schedule

<table>
<thead>
<tr>
<th>Area</th>
<th>Cable</th>
<th>Pole &amp; Phases</th>
<th>Conduit Location</th>
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<tbody>
<tr>
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<td>1/1</td>
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<td>1/1</td>
<td>11-13</td>
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<td>13-14</td>
<td>1/1</td>
<td>1/1 1/1 1/1 1/1</td>
</tr>
</tbody>
</table>

### Accessible Pedestrian Signal

- All equipment is new unless noted otherwise.
- See Sheet TS-401C

### Vehicular Signal

- Existing luminaire heads are to be upgraded to LED.
- See Detail "C"|

### Equipment Schedule

- See Detail "B" | Remarks

### Centurion Boulevard

- Plans for Improvement of

### CITY OF INGLEWOOD MAINTAINED

- 100% CITY OF INGLEWOOD

### PUBLIC WORKS DEPARTMENT

### CITY OF INGLEWOOD, CALIFORNIA

### DOTY AVE TO VAN NESS

### PHASES

- See DETAIL "C"*

### CITY OF INGLEWOOD, CALIFORNIA

### PUBLIC WORKS DEPARTMENT

### DOTY AVE TO VAN NESS

### TRAFFIC SIGNAL PLANS - DOTY AVE

### SCALE

- CITY OF INGLEWOOD

### PROJECT TITLE:

- PUBLIC WORKS

### DOTY AVE TO VAN NESS

### PHASES

- See DETAIL "C"*
CONSTRUCTION NOTES

1. Furnish and install 2M Opticom Detector model 7213, 2M model 136 digital output 2.3 GHz Opticom detector. Data is transmitted from an active vehicle detection device to the controller cabinet. Controller shall be mounted on vehicle signal house per California StR Plan ES-4E.

2. Furnish and install 3" Schedule 80 PVC conduit with 2 #6 service conductors and 1 #6 ground conductors between meter pedestal and controller cabinet.

3. Connect 2M controller to RS-232 fiber optic data transfer (FOPT). Contractor shall provide all necessary cables and accessories to complete construction.

4. Existing Type 2070 controller assembly, 332 cabinet and contents shall remain as necessary for vehicle video detection from OEC communications. Signal equipment is connected to provide internal operation, including the controller. Existing 332 cabinet, battery cabinet shall remain. Use Caltom approved vendor list.

5. Furnish and install 3" Schedule 80 PVC conduit for new service entrance and 4-413 for street lighting for traffic signal luminaires.

6. Furnish and install 3" conduit with #10 and #8, Luminaire. Protect in place.

NOTE: Refer to street lighting plans for common trench and detail on plan no. TS-457.
### POLE AND EQUIPMENT SCHEDULE

<table>
<thead>
<tr>
<th>NO.</th>
<th>STANDARD</th>
<th>LED LUMINAIRE</th>
<th>R.S.A.S. LEGEND</th>
<th>SIGNAL MOUNTING</th>
<th>PED PUSH BUTTONS</th>
<th>POLE EQUIPMENT</th>
<th>REMARKS</th>
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<td>2W 3W 1-1</td>
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<td>3W 1000</td>
<td>30' 20' 15'</td>
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<td>2W 3W 1-1</td>
<td>1 1 1</td>
<td>4</td>
<td>EXISTING</td>
</tr>
</tbody>
</table>

** = SINGLE FACE SIGNAL FACING NORTH.

ALL EQUIPMENT IS EXISTING UNLESS NOTED OTHERWISE.

* SEE SHEET TS-401C

EXISTING LUMINAIRE HEADS TO BE UPGRADED TO LED.

LED COUNTDOWN PEDESTRIAN SIGNAL FACE.

ACCESSIBLE PEDESTRIAN SIGNAL.

### CONDUCTOR AND CONDUIT SCHEDULE

<table>
<thead>
<tr>
<th>AWG SIZE</th>
<th>TYPE</th>
<th>POLE &amp; PHASES</th>
<th>CONDUIT LOCATION</th>
<th>LUMINARIES</th>
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<tr>
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<td>W/C</td>
<td>1/2 1/2 1/2</td>
<td></td>
<td>3 2 2 2</td>
</tr>
</tbody>
</table>

ALL CONDUCTORS AND CABLES ARE EXISTING UNLESS NOTED OTHERWISE.
CONSTRUCTION NOTES

1. ENSURE INSTALLATION OF 2 MOUNTING BRACKETS PER VEHICLE DETECTOR (
2. INSTALL 3" SCHEDULE 80 PVC CONDUIT FOR 2-CHANNEL RS-232 OPTICOM
3. INSTALL 170 CONTROLLER TO 65-232 FIBER OPTIC DATA TRANSMITTER
4. INSTALL 3M OPTICOM DETECTOR MODEL 138
5. INSTALL 3M OPTICOM DETECTOR MODEL 138 PLUS TWO 3M OPTICOM
6. INSTALL 3M OPTICOM DETECTOR MODEL 138 PLUS TWO 3M OPTICOM
7. INSTALL 3M OPTICOM DETECTOR MODEL 138 PLUS TWO 3M OPTICOM
8. INSTALL 3M OPTICOM DETECTOR MODEL 138 PLUS TWO 3M OPTICOM

NOTE: REFER TO STREET LIGHTING PLANS FOR COMMON TRENCH AND DETAIL K
ON PLAN NO. TS-401A.
## POLE AND EQUIPMENT SCHEDULE

<table>
<thead>
<tr>
<th>No.</th>
<th>Standard</th>
<th>Luminaire (N)</th>
<th>K.R.E. Legend</th>
<th>Signal Mounting</th>
<th>Pre-push Buttons (N)</th>
<th>Pole Location</th>
<th>Remarks</th>
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<tbody>
<tr>
<td>1</td>
<td>2M4-5-100</td>
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<td>Yukon</td>
<td>2 MAN</td>
<td>SP-1-1-7-7</td>
<td>11'-1'</td>
<td>POLE COMPLETE; RELOCATE VIDEO CAMERA TO NEW POLE</td>
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<td>2M4-5-100</td>
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<td>Yukon</td>
<td>2 MAN</td>
<td>SP-1-1-7-7</td>
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<td>30' 30' 15'</td>
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<td>2 MASS</td>
<td>SP-1-1-7-7</td>
<td>11'-1'</td>
<td>CESSING</td>
</tr>
</tbody>
</table>

### REMARKS

- ALL EQUIPMENT IS EXISTING UNLESS NOTED OTHERWISE.
- (N) = NEW
- * SEE SHEET TS-401 C
- (1) EXISTING LUMINAIRE HEADS TO BE UPGRADED TO LED.
- (2) LED COUNTDOWN PEDESTRIAN SIGNAL FACE.
- (3) ACCESSIBLE PEDESTRIAN SIGNAL.

### AVGW SIZE CONDUCTOR AND CONDUIT SCHEDULE

<table>
<thead>
<tr>
<th>Cable Type</th>
<th>Conductor Location</th>
<th>Pole &amp; Phases</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-4/0-100</td>
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<td>1/1 1/1 1/1 1/1 1/1 1/1</td>
</tr>
<tr>
<td>2-4/0-100</td>
<td>1/1 1/1 1/1 1/1 1/1 1/1</td>
<td>1/1 1/1 1/1 1/1 1/1 1/1</td>
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<tr>
<td>2-4/0-100</td>
<td>1/1 1/1 1/1 1/1 1/1 1/1</td>
<td>1/1 1/1 1/1 1/1 1/1 1/1</td>
</tr>
</tbody>
</table>

### REMARKS

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- (1) EXISTING LUMINAIRE HEADS TO BE UPGRADED TO LED.
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## AVGW SIZE CONDUCTOR AND CONDUIT SCHEDULE

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<tbody>
<tr>
<td>2-4/0-100</td>
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<td>1/1 1/1 1/1 1/1 1/1 1/1</td>
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<tr>
<td>2-4/0-100</td>
<td>1/1 1/1 1/1 1/1 1/1 1/1</td>
<td>1/1 1/1 1/1 1/1 1/1 1/1</td>
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<tr>
<td>2-4/0-100</td>
<td>1/1 1/1 1/1 1/1 1/1 1/1</td>
<td>1/1 1/1 1/1 1/1 1/1 1/1</td>
</tr>
</tbody>
</table>

### REMARKS

- ALL CABLES AND CONDUITS ARE NEW UNLESS NOTED OTHERWISE.
- (N) = NEW
- * SEE SHEET TS-401 C
- (1) EXISTING LUMINAIRE HEADS TO BE UPGRADED TO LED.
- (2) LED COUNTDOWN PEDESTRIAN SIGNAL FACE.
- (3) ACCESSIBLE PEDESTRIAN SIGNAL.

## CITY OF INGLEWOOD MAINTAINED

### PERCENTAGE SHARE

100% CITY OF INGLEWOOD

### PUBLIC WORKS DEPARTMENT

**PROJECT TITLE:** PLANS FOR IMPROVEMENT OF CENTURY BOULEVARD DOTY AVE TO VAN NESS AVE TRAFFIC SIGNAL PLANS - YUKON AVE

**DESIGNED BY:**

**DRAWN BY:**

**CHECKED:**

5/18/2015
CONSTRUCTION NOTES

1. Furnish and install 2M OFFICE DETECTOR MODEL: 221, 2M MODEL: 138
   OFFICE DETECTOR CP 101305 PB OPTICAL SENSORS, DATA LINKED PHASE
   SELECTORS, MODEL: 220 W. BBOX CONTROLLER CABINET, OFFICE DETECTOR
   SHALL BE MOUNTED ON PRE-MADE SIGN, HoA PER CALTRANS 557-50 PLAN
   5E-4E.

2. Furnish and install 3" schedule 40 PVC pipe, 3" MOUNTED EXIT AS NOTED
   ON PLAN, PER CALTRANS STANDARDS.

3. Furnish and install 3" schedule 40 PVC pipe, 3" MOUNTED EXIT AS NOTED
   ON PLAN, PER CALTRANS STANDARDS.

4. Connect 1" controller to RG-59-Feb optic data transmitter (OPTS), CONTRACTOR SHALL INSTALL ALL NECESSARY CABLES AND
   ACCESSORIES TO COMPLETE CONSTRUCTION.

5. Furnish and install 3" schedule 40 PVC pipe, 3" MOUNTED EXIT AS NOTED
   ON PLAN, PER CALTRANS STANDARDS.

6. Furnish and install 3" schedule 40 PVC pipe, 3" MOUNTED EXIT AS NOTED
   ON PLAN, PER CALTRANS STANDARDS.

7. Furnish and install 3" schedule 40 PVC pipe, 3" MOUNTED EXIT AS NOTED
   ON PLAN, PER CALTRANS STANDARDS.

8. Furnish and install 3" schedule 40 PVC pipe, 3" MOUNTED EXIT AS NOTED
   ON PLAN, PER CALTRANS STANDARDS.

9. Furnish and install 3" schedule 40 PVC pipe, 3" MOUNTED EXIT AS NOTED
   ON PLAN, PER CALTRANS STANDARDS.

10. Furnish and install 3" schedule 40 PVC pipe, 3" MOUNTED EXIT AS NOTED
    ON PLAN, PER CALTRANS STANDARDS.

11. Furnish and install 3" schedule 40 PVC pipe, 3" MOUNTED EXIT AS NOTED
    ON PLAN, PER CALTRANS STANDARDS.

12. Furnish and install 3" schedule 40 PVC pipe, 3" MOUNTED EXIT AS NOTED
    ON PLAN, PER CALTRANS STANDARDS.

13. Furnish and install 3" schedule 40 PVC pipe, 3" MOUNTED EXIT AS NOTED
    ON PLAN, PER CALTRANS STANDARDS.

14. Furnish and install 3" schedule 40 PVC pipe, 3" MOUNTED EXIT AS NOTED
    ON PLAN, PER CALTRANS STANDARDS.

15. Furnish and install 3" schedule 40 PVC pipe, 3" MOUNTED EXIT AS NOTED
    ON PLAN, PER CALTRANS STANDARDS.

16. Furnish and install 3" schedule 40 PVC pipe, 3" MOUNTED EXIT AS NOTED
    ON PLAN, PER CALTRANS STANDARDS.

17. Furnish and install 3" schedule 40 PVC pipe, 3" MOUNTED EXIT AS NOTED
    ON PLAN, PER CALTRANS STANDARDS.

18. Furnish and install 3" schedule 40 PVC pipe, 3" MOUNTED EXIT AS NOTED
    ON PLAN, PER CALTRANS STANDARDS.

19. Furnish and install 3" schedule 40 PVC pipe, 3" MOUNTED EXIT AS NOTED
    ON PLAN, PER CALTRANS STANDARDS.

20. Furnish and install 3" schedule 40 PVC pipe, 3" MOUNTED EXIT AS NOTED
    ON PLAN, PER CALTRANS STANDARDS.
# POLE AND EQUIPMENT SCHEDULE

<table>
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<tr>
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<th>R.E.S. LEGEND</th>
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<th>REMARKS</th>
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</table>

**ALL SIGNAL EQUIPMENT IS NEW UNLESS NOTED OTHERWISE.**

* SEE SHEET TS-405C
(1) LED COUNTERDOWN PEDESTRIAN SIGNAL, FACE.
(2) ACCESSIBLE PEDESTRIAN SIGNAL.

---

# CONDUCTOR AND CONDUIT SCHEDULE

<table>
<thead>
<tr>
<th>AWG SIZE</th>
<th>CABLE TYPE</th>
<th>POLE &amp; PHASES</th>
<th>CONDUIT LOCATION</th>
<th>CONDUCTOR AND CONDUIT SCHEDULE</th>
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**ALL CONDUCTORS CABLES AND CONDUITS ARE NEW UNLESS NOTED OTHERWISE.**

---

**CITY OF INGLEWOOD MAINTAINED**

**PERCENTAGE SHARE**

**100% CITY OF INGLEWOOD**

---

**PUBLIC WORKS DEPARTMENT**

**REVISIONS**

**CITY OF INGLEWOOD, CALIFORNIA**

**PROJECT TITLE:** PLANS FOR IMPROVEMENT OF CENTURY BOULEVARD

**DOTTY AVE TO VAN NESS AVE**

**TRAFFIC SIGNAL PLANS - CLUB DRIVE**

**SHEET NO.**

**DATE:** 5/18/2015

---

**AECOM**
CONSTRUCTION NOTES

1. FURNISH AND INSTALL 2 M I O OPTICON DETECTOR MODELS 7212, IN MODELS 1.25.
   DETECTORS SHALL BE 210 M OR 2102 M SINGAL DETECTION WIRING IS TO BE CONNECTED
   SIGNAL SELECTORS MODELS 1760-425G CONTROLLER CABINET OPTICON DETECTOR SHALL
   BE MOUNTED ON REUSABLE SIGNAL HEADS PER CALTRANS PLANS ES-4E.

2. FURNISH AND INSTALL WAVE ARM OR SIGNAL POLE, MOUNTED AS NOTED ON PLAN.
   PER CALTRANS STANDARDS.

3. FURNISH AND INSTALL 2" SCH 40 PVC PIPING WITH 2/0 SERVICE CONDUCTORS AND 1/0
   #6 GROUND CONDUCTOR BETWEEN WAVE POLE AND CONTROLLER CABINET.

4. INSTALL 2/0 CONTROL E CABLES TO 2135 OPTICON DATA TRANSMITTER.
   CONTRACTOR SHALL PROVIDE ALL REQUIRED CABLES AND ACCESSORIES TO COMPLETE
   CONSTRUCTION.

5. FURNISH AND INSTALL REFLECTORIZED STREET NAME SIGNS ON SIGNAL WAVE ARM.
   SIMILAR TO 1.25. MOUNTED ON CALTRANS STANDARDS PLANS ES-4P. CONTROLLER CABINET
   SHALL BE MOUNTED ON MOUNTING HARDWARE TO CITY OF INGLEWOOD.

6. CONDUCTORS TO EXISTING PULPB BOXES NOT SHOWN FOR REUSE SHALL
   BE REMOVED AND BECOME ABANDONED.

7. INSTALL 2" CONDUIT WITH 2/0, LUMINAIRE.

8. INSTALL REFLECTORIZED STREET NAME SIGN ON SIGNAL.
### POLE AND EQUIPMENT SCHEDULE

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<td>1-405 V-Sn-2-1</td>
<td>4 6</td>
<td>7 6</td>
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<td>2-405 V-Sn-1-1</td>
<td>4 6</td>
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<td>10 5</td>
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<td>8 5</td>
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All equipment is new unless noted otherwise.

* See sheet TS-401C

1. LED COUNTDOWN PEDESTRIAN SIGNAL FACE.
2. ACCESSIBLE PEDESTRIAN SIGNAL.

### CONDUCTOR AND CONDUIT SCHEDULE

<table>
<thead>
<tr>
<th>CABLE TYPE</th>
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**LED DETECTION CABLE**

- 12 CABLE
- 8 PR @ 10’
- 10’
- 12”

**CONDUIT SIZE**

- 2”
- 3”
- 6”
- 8”
- 10”

All conductors cables and conduits are new unless noted otherwise.

*See sheet TS-401C*
PROPOSED PHASE DIAGRAM

LEAD-LAG OPERATION

EXISTING PHASE SEQUENCING DIAGRAM

CONSTRUCTION NOTES

1. Furnish and install 2m optical detector model, 2.7m model. 3.0m detector shall be mounted 2m above signal head. Per Caltrans level B plan.

2. Furnish and install 2" PVC conduit connecting 1# service conductors at 1# ground conductor between detector module and controller cabinet.

3. Connect 1# controller to RC-201 fiber optic data transmitter (FODT). Contractor shall provide all necessary cables and accessories to complete construction.

4. Furnish and install reflectorized street name signs on signal mast arm similar to I-105, 1#14. Mounting on Caltrans standard plan 33-19.

5. Contractor shall submit plans for mounting hardware to City for approval.

6. Existing Type I controller assembly, 225 cabinet and contents shall remain. As necessary for vehicle motion detection, fiber optic communication, and signal interconnect to provide intended operation, including battery backup system (BBS). The BBS equipment, including the batteries, shall be attached to the existing 322 cabinet. BBS cabinet shall contain UPS system and batteries, hook-up, and switch. Use Caltrans approved vendor list.

7. See Street lighting plans 6-110 for new service pedestal, and W-752 conduit Plus Two 3M Opticom conductors.

8. Relocate wood detection camera to new pole.

9. Furnish and attach "wood back" battery cabinet and system (BBS) to existing controller cabinet.

10. Furnish and install 2" conduit with 2/8, luminaire.

11. Adjunct if applied to consult, remove conductors.

12. Remove and relocate.

13. Remove and salvage equipment.

14. Perfect in place.

NOTES:

1. Existing traffic signals and equipment on the North-West and North-East corners (Century and Crenew) shall remain.

2. Refer to Street lighting plans for common trench and detail, 6-110 for new service pedestal, and W-752 conduit Plus Two 3M Opticom conductors.

3. All existing conductors not shown for reuse shall be abandoned.

4. All existing padding not shown for reuse shall be properly and recorded. The property of the contractor.

CITY OF INGLEWOOD MAINTAINED

PERCENTAGE SHARE

100% CITY OF INGLEWOOD

REVISIONS

PUBLIC WORKS DEPARTMENT

PROJECT TITLE:

PLANS FOR IMPROVEMENT OF

CENTURY BOULEVARD

DOTY AVE TO VAN NESS AVE

TRAFFIC SIGNALS, PLANS - CRENSHAW BLVD

AECOM

5/18/2015
### POLE AND EQUIPMENT SCHEDULE

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**All equipment is New unless noted otherwise.**

* See Sheet TS-401C

(1) LED countdown pedestrian signal face.

(2) Accessible pedestrian signal.

### CONDUCTOR AND CONDUIT SCHEDULE

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<td>3&quot; F</td>
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<td>6&quot; F</td>
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**All Conductor Cables and Conduit are New unless noted otherwise.**

(D) = Existing

---

**CITY OF INGLEWOOD MAINTAINED**

**100% CITY OF INGLEWOOD**

**PROJECT TITLE:** PLANS FOR IMPROVEMENT OF CENTURY BOULEVARD DOTY AVE TO VAN NESS AVE

**PUBLIC WORKS DEPARTMENT**

**PLAN SCALE:** 1" = 20' 6"""" 5/18/2015

**REVISIONS**

**DESCRIPTION**

**DIGITAL TOLL PACE 811**

**DIGITAL TOLL PACE 811**

**ST-407A**

**ST-407A**

**ST-407A**

**ST-407A**

---

**PREPARED BY:**

**REVIEWED BY:**

**APPROVED BY:**

---

**CITY OF INGLEWOOD, CALIFORNIA**

**DEPARTMENT OF TRANSPORTATION**

**PROJECT TITLE:** PLANS FOR IMPROVEMENT OF CENTURY BOULEVARD DOTY AVE TO VAN NESS AVE

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**PLAN SCALE:** 1" = 20' 6"""" 5/18/2015

**REVISIONS**

**DESCRIPTION**

**DIGITAL TOLL PACE 811**

**DIGITAL TOLL PACE 811**

**DIGITAL TOLL PACE 811**

**DIGITAL TOLL PACE 811**
POLE AND EQUIPMENT SCHEDULE

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<tr>
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<td>Sn-1-1</td>
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<tr>
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NOTE: ALL EQUIPMENT IS NEW UNLESS NOTED OTHERWISE.

- **= LUMINAIRES TO BE IN CONFORMANCE WITH LUMINAIRE MAST ARM BASE PLATE DETAILS SHOWN ON CALTRANS STANDARDS PLAN ES-6D.

THE LUMINAIRE MAST ARMS TO BE A 90' TO SMA.

'SEE SHEET TS-401 C
(1) LED COUNTDOWN PEDESTRIAN SIGNAL FACE.
(2) ACCESSIBLE PEDESTRIAN SIGNAL.

CONDUCTOR AND CONDUIT SCHEDULE

<table>
<thead>
<tr>
<th>SIZE OR CABLE TYPE</th>
<th>POLE &amp; PHASES</th>
<th>CONDUIT LOCATION</th>
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ALL CONDUIT SIZES AND CABLES ARE NEW UNLESS NOTED OTHERWISE.

* SEE FIBEROPTIC PLANS FOR CONDUIT SIZE, PC CABLE LOCATION.
### POLE AND EQUIPMENT SCHEDULE

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<th>STD</th>
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<td>2-IAAS SV-1-T</td>
<td>SH-1-1</td>
<td>4-8-7</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>6</td>
<td>347</td>
<td>30'</td>
<td>-</td>
<td>12'</td>
<td>199N</td>
<td>2-IAAS SV-1-T</td>
<td>SH-1-1</td>
<td>4-8-7</td>
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<td>-</td>
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</tbody>
</table>

### CONDUCTOR AND CONDUIT SCHEDULE

<table>
<thead>
<tr>
<th>Cable Type</th>
<th>NO. CABLES</th>
<th>NO. PHASES</th>
<th>CONDUIT LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 Cable</td>
<td>1-12</td>
<td>3</td>
<td>1/1</td>
</tr>
<tr>
<td>2-4A Cable</td>
<td>2-16</td>
<td>3</td>
<td>2/2</td>
</tr>
<tr>
<td>8 Cable</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

### REVISIONS

- DATE: 5/18/2015
- DESCRIPTION: City of Inglewood California Public Works Department

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*(1) LED countdown pedestrian signal face.
(2) Acoustic pedestrian signal.*