NOTES:
1. Remove foundation a minimum of 2' below grade.
2. APS Furnished Pull Box
3. Conduit run numbers 2, 10 and 11 shall be HDPE conduits, installed by directional drilling. All other conduit runs shall use PVC conduits.

See Note 1
Remove & Salvage
See Note 2

2. APS Furnished Pull Box

3. Conduit run numbers 2, 10 and 11 shall be HDPE conduits, installed by directional drilling. All other conduit runs shall use PVC conduits.

See Note 3
### Pole Schedule

<table>
<thead>
<tr>
<th>Cabinet</th>
<th>Type</th>
<th>Controller</th>
<th>Remarks</th>
<th>Aux. Control</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATC Cabinet</td>
<td>Housing 2 (Pole Mounted)</td>
<td>MPS, 8-Phase Menu Driven with LCD Display</td>
<td>STA, 190+04.09</td>
<td>44.4 ft</td>
<td></td>
</tr>
<tr>
<td>Type 1 Meter Pedestal</td>
<td>Fully Metered Service 120 Vac</td>
<td>20-amp fused lighting contactor and photocell</td>
<td>STA, 190+17.09</td>
<td>45.4 ft</td>
<td></td>
</tr>
<tr>
<td>Battery Backup</td>
<td></td>
<td></td>
<td>STA, 190+11.09</td>
<td>45.4 ft</td>
<td></td>
</tr>
</tbody>
</table>

### Conductor Schedule

<table>
<thead>
<tr>
<th>AWG Conductors</th>
<th>Circuit Phase</th>
<th>Number of Wires</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>18</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>18</td>
<td>3</td>
<td>1</td>
</tr>
</tbody>
</table>

#### IMSA Cable Assignments

**IMSA Cable 19-1, #14 AWG Solid, 20-Conductor**

**Conductor Color**

- **Basic Color**
  - Red
  - White
  - Green
  - Black
  - Orange
  - Blue
  - Yellow
  - White

**Signal Interval/Use**

- **Pedestrian Head**
  - Track/Stripes
  - Green/White
  - Yellow/Black

- **Pedestrian Sign**
  - Red/White
  - Blue/White
  - Green/White

### IMSA Cable 18-1, #14 AWG Solid, 4-Conductor & 7-Conductor

- **Conductor Color**
  - Basic Color
  - Signal Interval

**Pedestrian Hybrid Beacon Cable Assignments**

- **Basic Color**
  - Red
  - White
  - Green
  - Black
  - Orange
  - Blue
  - Yellow

**Signal Interval/Use**

- **Pedestrian Head**
  - Basic Color

**Individual Conductors in the Cable Shall Be Tagged as to Assigned Signal Interval/Use.**

### Notes:

1. A raised FPC pad, 48" X 48" shall be placed by the contractor in front of the cabinet. Pad shall be sloped away from the cabinet for drainage (12% min). All labor, equipment and materials for maintenance pad shall be paid under Item 92100 Concrete, Maintenance Pad.
2. Electrical service shall be metered.
3. See drawings T-7.01 and T-7.02 signs mounted on mast arms and/or poles.
4. The contractor shall contact the ADOT Traffic Signal Inspector, Tony Barcelo at (520) 838-2842, for review and approval before drilling poles for push buttons & signal mountings.
5. LED countdown pedestrian signals shall be used.
6. Exact locations and orientations of all poles, pull boxes and cabinets shall be field verified with and approved by the engineer prior to excavation, avoiding conflicts with existing utilities and features.
7. A separate 20-conductor IMSA cable shall run unspliced from controller cabinet to each side mount terminal compartment of each pole. 10-conductor IMSA cable shall be used for connecting the signal heads, pedestrian signal head and pushbutton on the A-pole to the cabinet and shall run unspliled. 7-conductor IMSA cables shall be used from side mount terminal compartment to each mast arm signal head.
Beacon Signal Assembly (Typ)
See T.S. 8-5 Type "T" Flashing

Equal

POLE D
See EB-5 on Sign Summary for additional information

20' Mast Arm
See T.S. 4-26 Detail A for Connection Details

30' Mast Arm

36" x 36"
R10-23AZ

60" x 18"
W11-2aAZ

Controller Cabinet
See Dwg No. T-12.03

36" x 36"

New Pole Foundation
(See T.S. 4-21)

 IAMING DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE PROJECT AND DESIGN ENGINEER TRAFFIC ELECTRICAL DESIGN

SR 287 FLORENCE BLVD PEDESTRIAN HYBRID BEACON

TRACES NO. 10055 01C MS-PG-D120017

AECOM TECHNICAL SERVICES, Inc.
TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION

ARIZONA DEPARTMENT OF TRANSPORTATION DESIGN

F.H.W.A.
REGION ARIZ.
PROJECT NO.

TOTAL SHEETS

DRAWN
CHECKED
NAME
TRACS NO.

DATE

LOCATION
ROUTE

AS
ELEVATION DETAILS

POLE D

See EB-5 on Sign Summary for additional information

20' Mast Arm
See T.S. 4-26 Detail A for Connection Details

30' Mast Arm

36" x 36"
R10-23AZ

60" x 18"
W11-2aAZ

Controller Cabinet
See Dwg No. T-12.03

30' Mast Arm

36" x 36"

New Pole Foundation
(See T.S. 4-21)

IAMING DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE PROJECT AND DESIGN ENGINEER TRAFFIC ELECTRICAL DESIGN

SR 287 FLORENCE BLVD PEDESTRIAN HYBRID BEACON

TRACES NO. 10055 01C MS-PG-D120017

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ARIZONA DEPARTMENT OF TRANSPORTATION DESIGN

F.H.W.A.
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PROJECT NO.

TOTAL SHEETS

DRAWN
CHECKED
NAME
TRACS NO.

DATE

LOCATION
ROUTE

AS
ELEVATION DETAILS

POLE D

See EB-5 on Sign Summary for additional information

20' Mast Arm
See T.S. 4-26 Detail A for Connection Details

30' Mast Arm

36" x 36"
R10-23AZ

60" x 18"
W11-2aAZ

Controller Cabinet
See Dwg No. T-12.03

30' Mast Arm

36" x 36"

New Pole Foundation
(See T.S. 4-21)
CROSSWALK
STOP ON RED

See T.S. 8-5 Type "T" Flashing Beacon Signal Assembly (Typ)

R10-23AZ
36" x 36"

WL-20AZ
60" x 18"

Approximately Centered in Lane

35' Mast Arm
See T.S. 4-10 for Pedestrian Signal Details

See T.S. 9-5 for Signal Mounting Details

36" x 36"

Approximately Centered in Lane

W1-00AZ
60" x 18"

See T.S. 8-5 Type "T" Flashing Beacon Signal Assembly (Typ)

See T.S. 4-26 Detail A for Connection Details

25L 300K LED Luminaire

20' Mast Arm
See T.S. 4-10 for Pedestrian Signal Details

See T.S. 8-5 Type "T" Flashing Beacon Signal Assembly (Typ)

WL-20AZ
60" x 18"

W1-00AZ
60" x 18"

25L 300K LED Luminaire

Capped Photocell Receptacle

20' Mast Arm
See T.S. 4-26 Detail A for Connection Details

36" x 36"

36" x 36"

See T.S. 8-5 Type "T" Flashing Beacon Signal Assembly (Typ)

WL-20AZ
60" x 18"

W1-00AZ
60" x 18"

Capped Photocell Receptacle

20' Mast Arm
See T.S. 4-26 Detail A for Connection Details

36" x 36"

36" x 36"

Approximately Centered in Lane

Equal

36" x 36"

36" x 36"

Approximately Centered in Lane

See T.S. 8-5 Type "T" Flashing Beacon Signal Assembly (Typ)

WL-20AZ
60" x 18"

W1-00AZ
60" x 18"

Capped Photocell Receptacle

20' Mast Arm
See T.S. 4-26 Detail A for Connection Details

36" x 36"

36" x 36"

Approximately Centered in Lane

Equal

36" x 36"

36" x 36"

Approximately Centered in Lane

See T.S. 8-5 Type "T" Flashing Beacon Signal Assembly (Typ)

WL-20AZ
60" x 18"

W1-00AZ
60" x 18"

Capped Photocell Receptacle

20' Mast Arm
See T.S. 4-26 Detail A for Connection Details

36" x 36"

36" x 36"

Approximately Centered in Lane

Equal

36" x 36"

36" x 36"

Approximately Centered in Lane

See T.S. 8-5 Type "T" Flashing Beacon Signal Assembly (Typ)

WL-20AZ
60" x 18"

W1-00AZ
60" x 18"

Capped Photocell Receptacle

20' Mast Arm
See T.S. 4-26 Detail A for Connection Details

36" x 36"

36" x 36"

Approximately Centered in Lane

Equal

36" x 36"

36" x 36"

Approximately Centered in Lane

See T.S. 8-5 Type "T" Flashing Beacon Signal Assembly (Typ)

WL-20AZ
60" x 18"