GENERAL & CONSTRUCTION NOTES

1. SEPARATE RIGHT-OF-WAY PERMITS ARE REQUIRED FOR WORK WITHIN PUBLIC AGENCY RIGHT-OF-WAY. CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING APPLICATION, PERMITS & FEE'S, AND COMPLY WITH ALL PUBLIC AGENCY REQUIREMENTS.

2. UTILITY LOCATIONS SHOWN ON PLANS ARE APPROXIMATE BASED ON AVAILABLE INFORMATION. CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT DESIGNATED AGENCY TO LOCATE ALL UNDERGROUND UTILITIES 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.

3. CONTRACTOR SHALL BE RESPONSIBLE TO APPLY AND OBTAIN AN APPROVED TRAFFIC CONTROL PLAN IN ACCORDANCE WITH MUTCD AND LOCAL STANDARDS AS REQUIRED.

4. CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE ALL DISTURBED AREAS TO ORIGINAL CONDITION TO AGENCY SATISFACTION AT NO ADDITIONAL COMPENSATION.

5. CONTRACTOR SHALL TERMINATE ALL POWER CIRCUITS INTO ATS CABINET(S).

6. INSTALL LINEAL 20 AMP FUSE INSIDE HAMO HOLE ON ATS CAMERA POLES.

7. INSTALL FOUNDATION POLE AND GROUNDING WIRE FOR ATS EQUIPMENT. SEE LOCATIONS IN DRAWINGS AND SEE POLE FOUNDATION DETAIL.

8. INSTALL JUNCTION BOX OF THE REQUIRED SIZE AND TYPE PER LOCAL AGENCY STANDARDS.

9. SCH. 80 PVC CONDUIT TO BE BORED UNDER ROADWAY - 36" COVER MINIMUM. SEE SIZES AND LOCATION IN DRAWINGS.

10. CONTRACTOR SHALL CALL WSOOT AND CITY TRAFFIC SIGNAL SUPERVISOR AT LEAST 72 HOURS IN ADVANCE TO COORDINATE THE POWER DROP INTO THE AGENCIES WATER PEDESTAL.

11. THE CONTRACTOR SHALL HAVE A LEVEL II IN A 5 CERTIFIED TECHNICIAN/ELECTRICIAN ON-SITE AT ALL TIMES DURING CONSTRUCTION. CONDUCTOR SIZES AND TERMINATIONS SHALL BE MADE BY A LICENSED JOURNEYMAN ELECTRICIAN AND HAS SUCCESSFULLY COMPLETED A RECOGNIZED FOUR-TO-FIVE YEAR APPRENTICESHIP PROGRAM OR EQUIVALENT TRAINING. CONTRACTOR SHALL PROVIDE A COMPLETED FORM 7-1500 AND A PHASED LICENSE FROM THE CITY OF BELLEVUE.

12. CONTRACTOR SHALL PLACE SIGNAL PHOTO ENFORCEMENT SIGNS AT A MINIMUM DISTANCE OF 500' FEET BUT NOT TO EXCEED 500' FROM THE STOP BAR ON EVERY MOUNTED APPARATUS. PHOTO ENFORCEMENT SIGNS SHALL NOT BLOCK VIEW OF ANY REGULATORY, GUIDE OR WARNING SIGNS.

13. ALL WORK SHALL COMPLY TO ALL APPLICABLE ELECTRICAL CODES EXCEPT WHEN WSOOT OR CITY STANDARDS SUPERSIDE.

14. CONTRACTOR SHALL TRIM EXISTING TREES TO IMPROVE LINE OF SIGHT AS NEEDED. CONTRACTOR SHALL NOTIFY THE AGENCIES AND OBTAIN APPROVAL PRIOR TO TRIMMING.

15. AT LOCATIONS WHERE EXISTING ENFORCEMENT EQUIPMENT MAY EXIST, CONTRACTOR SHALL COORDINATE WITH THE OWNER AND ATS PROJECT MANAGER FOR REMOVAL & SALVAGE.

16. CONTRACTOR SHALL COORDINATE WITH WSOOT AND CITY TRAFFIC SIGNAL SUPERVISOR AND LAW ENFORCEMENT TO HAVE AN OFFICER PRESENT WHEN TRAFFIC SIGNAL POWER IS TURNED OFF FOR CONNECTION TO POWER PEDESTAL.

17. CONNECT POLE TO SOLID BARE BONDING GROUND & GROUNDING ROD (OR COIL, 25' OF NO. 6 BARE COPPER) IN POLE FOUNDATION & TO SYSTEM GROUND BONDED BACK TO ATS CABINET.

18. CONTRACTOR SHALL PLACE THE POLES/ FOUNDATIONS IN A LOCATION TO MAINTAIN A 5' CLEAR SPACE FROM THE OVERHEAD POWER LINES.

19. CONTRACTOR TO LABEL EACH END OF ALL CABLE RUNS.

20. CONTRACTOR TO USE EXISTING CONDUIT WHERE AVAILABLE AND WITHIN CONDUIT FILL PERCENTAGE REQUIREMENTS.

DETAIL "A"

ALUMINUM BASE & POLE DETAIL

DETAIL "B"

TYPICAL GROUND BOX DETAIL
**NOTES:**

1. ALL EXPOSED FOUNDATION FACES SHALL BE FINISHED SMOOTH.
2. FINISHED FOUNDATION ELEVATION SHALL BE AT SAME GRADE AS SIDEWALK.
3. ANCHOR BOLTS SHALL MEET ASTM A-36 AND SHALL BE GALVANIZED.
4. NO WELDING PERMITTED ON REINFORCEMENT CAGE.
5. CONDUIT COVER SHALL MEET LOCAL STANDARDS.
6. 1" CHAMFER IS REQUIRED WHEN FOUNDATION IS NOT ADJACENT TO CONCRETE SIDEWALK.
7. DUCT SEAL AROUND 2" PIPE BETWEEN POLE AND CABINET FOR MOISTURE PREVENTION.

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**FOUNDATION TEMPLATE**

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<table>
<thead>
<tr>
<th>POLE HEIGHT</th>
<th>DIAMETER</th>
<th>DEPTH</th>
<th>BOLT CIRCLE (B.C.)</th>
<th>FOUNDATION REINFORCEMENT</th>
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</thead>
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<tr>
<td>5'</td>
<td>2'-0&quot;</td>
<td>2'-0&quot;</td>
<td>14/8</td>
<td>6-NO. 6. NO. 3 x 12&quot; C-C</td>
</tr>
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<td>2'-0&quot;</td>
<td>3'-0&quot;</td>
<td>14/8</td>
<td>6-NO. 8. NO. 3 x 12&quot; C-C</td>
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<tr>
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<td>4'-0&quot;</td>
<td>14/8</td>
<td>6-NO. 6. NO. 3 x 12&quot; C-C</td>
</tr>
<tr>
<td>20'</td>
<td>2'-0&quot;</td>
<td>5'-0&quot;</td>
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<td>6-NO. 6. NO. 3 x 12&quot; C-C</td>
</tr>
</tbody>
</table>

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**DECLAIL "A"**

**FOUNDATION DETAIL**

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**DECLAIL "B"**

CAMERA, FLASH, AND AXIS LIVE VIDEO MOUNTED ON EXISTING TRAFFIC SIGNAL POLE

SEE POLE 0 ON SHEET 2 ON 10.
DETAIL "A"

5" ALUMINUM
ATS CABINET POLE

SEE POLE @ ON SHEET 2 ON 10.

DETAIL "B"

20" ALUMINUM
STANDARD REAR POLE

SEE POLE @ ON SHEET 4 ON 10.
NOTES:
1. CENTER SENSORS IN LANE.
2. INDUCTION LOOP ARE 6" HS & REQUIRED 3 TURNS OF WIRING "-T".
3. LOOP WINDERS ARE TWISTED EVERY 1" AND RUN IN INDIVIDUAL SAE CUTS TO THE PULL BOX, THEN SPLICE WITH 3/4"-R SERIES AND SHIELDED CABLES BACK TO CONTROL CABINET.
4. PIELZO WINDERS CAN SHARE THE SAME CUT.
5. PIEZOS AND PIEZO SEALANT HIGHS ARE PROVIDED BY ATS.
6. LOOP INC. INSA 50-0, 14 AWG 2 CONDUCTOR WITH BARE DRAIN WIRE.

DETAIL "A"
PIEZO-LOOP-PIEZO DETAIL

ATS CAMERA POLE

POWER FEED TO METER WITH 200 AMP MINIMUM SERVICE & 40 AMP BREAKER

NEW ATS JUNCTION BOX

TO ATS CABINET

NEW ATS CONDUIT Stub W/ NEW POWER SERVICE CONDUCTORS

POWER FEED LAND IN ATS CABINET

ATS CABINET

DETAIL "B"
TYPICAL POWER SERVICE CONNECTION DETAIL

1. BLACK ON WHITE
2. SIGN TO BE PLACED 300 FT. TO 500 FT. REAR POLE
3. FLAT SHEET ALUMINUM HIGH INTENSITY .100
4. SEE WSDOT STANDARD DETAIL FOR SIGN POST MOUNTING.
5. SEE WSDOT STANDARD DETAIL FOR UNIVERSAL ARCH SYSTEM FOUNDATION
6. SIGN TO BE INSTALLED ON MONITORED APPROACHES ONLY.
Installation Instructions

1. Ensure that the area is safely roped off, and signs are placed as per local regulations.
2. Using the required materials, cut and place the sensor and its related accessories in the area. Ensure that all the items are properly fastened and secured.
3. Ensure that all electrical connections are properly made and that the wiring is secure and符合 the local electrical codes.
4. Ensure that the sensor is installed in a secure and stable location.
5. Ensure that all the related accessories are properly installed.

Example Waveforms

- Car
- SUV
- Truck

Note: These waveforms are for illustration purposes only and may not be exact.