CITY OF BELLEVUE, WASHINGTON

PHOTO ENFORCEMENT SAFETY PROGRAM

2ND SUBMITTAL

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ENGINEER OF RECORD:
WASHINGTON LICENSE NO: 44083
ROBERT B. ZANTOON, P.E.,
AMERICAN TRAFFIC SOLUTIONS, INC,
7661 L. GRAY RD,
SCOTTSDALE, AZ 85260
PHONE: (480) 443-7000
FAX: (480) 607-0901

ATS
American Traffic Solutions
LEGEND

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PHOTO ENFORCEMENT SIGN PROVIDED BY CITY.

CABINET REAR SCENE CAMERA, AXIS LIVE CAM, AND 350W FLASH MOUNTED ON POLE (E). SEE DETAIL "A" ON SHEET B OF IL CONTAINS EVOO MODEM.

INTERCEPT EXISTING CONDUIT

TREE TRimming NEEDED.

EXISTING POWER SOURCE LOCATION, FIELD VERIFY EXISTING SERVICE FEEDER CABLE SIZE AND LOAD.

WIRELESS VEHICLE DETECTION SENSORS, SEE DETAIL "A" ON SHEET B OF IL.

TERMINATE AT CONTROLLER CABINET FOR RED AND AMBER PHASE, SEE DETAIL "A" ON SHEET 6 OF IL.

WASHINGTON FEDERAL SAVINGS AND LOAN ASSOCIATION

1400 BEL-RED RD
BELLEVUE, WA

(425) 643-3530

ENGINEER OF RECORD
RICHARD D. STAMPTON, P.E.
WASHINGTON REGISTRATION # 4483

NOTE: CONTRACTOR TO FIELD VERIFY FEEDER IS NOT TOO SMALL FOR THE NEW LOAD. SERVICE WILL NEED TO BE UPGRADED BY SIGNAL ELECTRIC.

MCCUMBS WATERWAY PARK

BEL-RED RD

35.5'

CABINET REAR SCENE CAMERA, AXIS LIVE CAM, AND 350W FLASH MOUNTED ON POLE (E). SEE DETAIL "A" ON SHEET B OF IL CONTAINS EVOO MODEM.

PHOTO ENFORCEMENT SIGN PROVIDED BY CITY.

WIRELESS VEHICLE DETECTION SENSORS, SEE DETAIL "A" ON SHEET B OF IL.

TERMINATE AT CONTROLLER CABINET FOR RED AND AMBER PHASE, SEE DETAIL "A" ON SHEET 6 OF IL.

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NOTE: CONTRACTOR TO FIELD VERIFY FEEDER IS NOT TOO SMALL FOR THE NEW LOAD. SEE SERVICE WILL NEED TO BE UPDATED BY SIGNAL ELECTRIC.

CABINET REAR SCENE CAMERA, ALARM LIVE CAMERA, AND 100 # FLUSH MOUNTED ON POLE, SEE DETAIL "C" ON SHEET 8 OF 11, CONTAINS EVOO MODEM.

TREE TRIMMING NEEDED.

TERMINATE AT CONTROLLER CABINET FOR RED AND AMBER PHASE, SEE DETAIL "B" ON SHEET 6 OF 11.

EXISTING POWER SOURCE LOCATION, FIELD VERIFY EXISTING SERVICE FEEDER CABLE SIZE AND LOAD.

ENGINEER OF RECORD:
ROBERT ELZANTH P.E.
WASHINGTON REGISTRATION # 44083

ATS American Traffic Solutions

2ND SUBMITTAL

BELLEVUE

PLAN LAYOUT

SB 188TH AVE NE AT MAIN ST
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 APPLICATIONS, PERMITS & FEES, AND COMPLY WITH ALL PUBLIC AGENCY REQUIREMENTS.

2. UTILITY DEPARTMENTS CHARTS OR 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 RTCC & 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 INSTALL ALL POWER CIRCUITS INTO ATS CABINET.

6. INSTALL WIRE 30 AMP FUSE INSIDE HARD HOLE ON ATS CAMERA POLES.

7. INSTALL ISOLATION BOX AND GROUNDING WIRE FOR ATS EQUIMENT, SEE DRAWINGS AND SEE POLY INSTALLATION.

8. INSTALL POLY JUNCTION BOX OF THE REQUIRED SIZE AND TYPE PER LOCAL AGENCY STANDARDS. INSTALLATION BOX MUST BE required FOR CITY OF BELLEVUE STANDARDS.

9. SOLID PVC CONDUIT TO BE DRAINED UNDER ROADWAY - SECOND MINIMUM SIZE SIZES AND LOCATION IN DRAWINGS.

10. CONTRACTOR SHALL CALL CITY TRAFFIC SIGNAL SUPERVISION AT LEAST 24 HOURS IN ADVANCE TO COORDINATE THE POWER DROP INTO THE AGENCY METER PEDESTAL.

11. TERMINATE RED & AMBER PHASE WIRES TO AGENCY RED & AMBER PHASE CONDUCTORS IN THE NEAREST TRAFFIC CONTROLLER CABINET. SEE CONDUCTOR RED & AMBER PHASE CONNECTION DETAILS. CONTRACTOR SHALL CONTACT CITY TRAFFIC SIGNAL SUPERVISION AND CITY POLICE DEPARTMENT FOR ON-SITE ASSISTANCE WITH RED & AMBER PHASE AND ISOLATOR CONNECTION. ALLOW 24 HOURS ADVANCE NOTICE BEFORE CONNECTION.

12. THE CONTRACTOR SHALL HAVE A LEVEL 2 vacation CERTIFIED ELECTRICIAN ON SITE AT ALL TIMES DURING CONSTRUCTION. CONDUCTOR SPACES AND TERMINATIONS SHALL BE MADE BY A QUALIFIED JOURNEYMAN ELECTRICIAN, AND SUCCESSFULLY COMPLETED A REQUIRED FOUR YEAR APPRENTICESHIP PROGRAM OR EQUIVALENT TRAINING BY A PERSON ENROLLED IN A RECOGNIZED FOUR YEAR APPRENTICESHIP PROGRAM UNDER THE DIRECT SUPERVISION OF A JOURNEYMAN ELECTRICIAN.

13. CITY OF BELLEVUE TO INSTALL SIGNAL PHOTO ENFORCEMENT SIGNS AT A MINIMUM DISTANCE OF 00 FEET BUT NOT TO EXCEED 30 FEET FROM THE STOP BAR ON EVERY MONITORED APPROACH. PHOTO ENFORCEMENT SIGNS SHALL NOT BLOCK VIEW OF ANY REGULATOR GUIDE OR WARING SIGNS.

14. ALL WORK SHALL CONFORM TO ALL APPROPRIATE ELECTRICAL CODES EXCEPT WHEN WSDOT OR CITY STANDARDS SUPERSEDE.

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

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

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

18. CONNECT POLE TO SOLID WIRE ON WIRE TO WIRE AND JOINING FEEDER 200 FEET IN FROM CABINET TO THE INSIDE OF THE CABINET.

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

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

21. CONTRACTOR TO USE EXISTING DUCT WHERE AVAILABLE AND WITHIN CONSIDERATION PERCENTAGE REQUIREMENTS.

22. CONTRACTOR TO INSTALL A DUAL-PHASE IN THE SERVICE CABINET.

23. CONTRACTOR TO FIELD INSTALL EXISTING POWER SOURCE LOCATION AND EXISTING SERVICE FEEDER CABLE SIZE AND ANY FEEDER IS TOO SMALL THE SERVICE NEEDS TO BE UPDATED BY SIGNAL ELECTRIC.

NOTE: ONE OPTO ISOLATOR IS REQUIRED PER PHASE TERMINATION.

TERMINATE IN TRAFFIC CONTROLLER BASED ON DRAWING.

HOMA FLOOD SEAL IN-LINE DISCONNECT FUSE (SLK-1A OR EQUIVALENT)

DETAIL "A"
ALUMINUM BASE & POLE DETAIL

DETAIt "B"
RED AND AMBER PHASE CONNECTION DETAIL

ENGINEER OF RECORD: WASHINGTON LICENSED ELECTRICIAN NO.
WASHINGTON REGISTRATION No. 44983

2ND SUBMITTAL

ATS EQUIPMENT

N.T.S.
DETAIL "A"
JUNCTION BOX
CITY OF BELLEVUE STANDARDS
DRAWING NUMBER TSSL-5

NOTE:
FIELD VERIFY EXISTING SERVICE FEEDER CABLE SIZE AND LOAD.

CROSS SECTION
* NOTE: DO NOT PROVIDE U/B CLEARANCE WITHIN PEDESTRIAN FACILITIES

DETAIL "B"
TYPICAL POWER SERVICE CONNECTION 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 A325 AND SHALL BE GALVANIZED.
4. NO WELDING PERMITTED ON REINFORCEMENT CAGE.
5. CONDUIT COVER SHALL MEET LOCAL STANDARDS.
6. CHAMFER IS REQUIRED WHEN FOUNDATION IS NOT ADJACENT TO CONCRETE SIDEWALK.
7. DUCT SEAL AROUND 2" PIPE BETWEEN POLE AND CABINET FOR MOISTURE PREVENTIONS.

POLE HEIGHT | DIAMETER | DEPTH | BOLT CIRCLE | FOUNDATION REINFORCEMENT |
-------------|----------|-------|-------------|--------------------------|
5'           | 2"       | 2'-0" | 4"          | 6-No.8 6-No.8 No.3 6" C-C |
6'           | 2"       | 3'-0" | 4"          | 6-No.8 6-No.8 No.3 6" C-C |
6'           | 2"       | 4'-0" | 4"          | 6-No.8 6-No.8 No.3 6" C-C |
10'          | 2"       | 5'-0" | 4"          | 6-No.8 6-No.8 No.3 6" C-C |
10'          | 2"       | 6'-0" | 4"          | 6-No.8 6-No.8 No.3 6" C-C |

DETAIL "A"

FOUNDATION DETAIL

DETAIL "B"

WIRELESS VEHICLE DETECTION DETAIL
CROSS SECTION "A"

NB 148TH AVE NE AT BEL-RED RD

SHEET 2 OF 11