

ADDENDUM NO. 02
**21ST AVE S & S 320TH STREET SIGNALIZATION AND
PEDESTRIAN IMPROVEMENTS
PROJECT #36225**

ATTENTION ALL BIDDERS AND PLANHOLDERS: You are hereby notified that the Bid and Contract Documents are amended as follows:

A) CONTRACT DOCUMENTS

1. SP-157 to SP-158:

DELETE the original section 9-29.13(3) and REPLACE with the following. The attached section includes changes to the traffic signal TS2 controller unit:

9-29.13(3) Traffic Signal Controller

(*PROJECT-SPECIFIC SPECIAL PROVISION***)**

Section 9-29.13(3) is supplemented with the following:

Equipment includes the following:

- Quantity One (1) – NEMA TS2 Type 1 or Type 2 cabinet with 16 position load bay.
- Quantity One (1) – TS2 Controller unit **Siemens M60**.
- Quantity One (1) – Type 16 Malfunction Management Unit EDI 16LE.
- Quantity One (1) – TS2 Detector racks capable of 16 channels.
- Quantity One (1) – TS2 Power Supply.
- Auxiliary equipment so as to form completely functional eight phase traffic signal control cabinets.
- Video Detection Equipment and Advanced Loop Detection Equipment.
- Fiber Optic Patch Panel - ___ fiber count.
- Fiber Optic Ethernet Switch(s).
- Fiber Optic Patch Cords.

Documentation and Training

Contractor to supply complete technical information, shop drawings, schematic diagrams, photographs, circuit diagrams, programming and operation instruction manuals, and any other necessary documents to fully describe the proposed equipment.

Schematics & Manuals: The cabinet(s) shall have a waterproof envelope with a side access attached to the inside of the door. At the time of delivery the envelope shall have two complete sets of schematics and manuals for all assemblies and sub-assemblies. In addition, the cabinet shall arrive with two sets of cabinet prints and one disk copy of the cabinet print in AutoCAD format including circuit schematics for each model of the following:

1. Controller
2. Conflict Monitor
3. Opticom Equipment
4. Video Detection Equipment
5. Fiber Optic Communication Equipment

The supplier shall provide a minimum of a one-day (8 hour) training session, given by qualified technical representative(s) of the manufacturer's firm. The sessions shall be conducted at the County and the training sessions shall be coordinated with the City Traffic Engineer. The supplier shall contact the City Traffic Engineer approximately three weeks prior to delivery of the equipment for the purpose of discussing the format and scheduling of the training sessions. The sessions shall be conducted within five (5) working days AFTER delivery of the equipment.

The training sessions shall as a minimum meet the following requirements:

1. Session 1: Basic operation, detector programming, special configuration programming, and time of time of day operation. This would cover operator front panel instruction for each component (i.e., Controller, Malfunction Management Unit, and Detector).
2. Session 2: Preemption, telemetry, diagnostics, cabinet operation, preventative maintenance, computer software, and troubleshooting. Technical maintenance and troubleshooting instruction shall be the main focus.
3. Presentations shall be made by "factory trained personnel". Supplier shall provide all necessary equipment needed for the training.

The instructional materials provided with the training sessions shall include the following information:

1. Table of Contents
2. Operating Procedure
3. Theory of Operation
4. Maintenance and Troubleshooting Information
5. Circuit Wiring Diagrams
6. Pictorial Diagrams of Part Locations
7. Timing Sheet

The controller shall be a NEMA TS2 controller, specifically, a **Siemens M60** and be installed within a complete NEMA TS2 Type 1 eight phase signal cabinet.

B) BID OPENING

The bid opening date has changed. The bids will now be received until **10:00 a.m. on Thursday December 21st**, bids will be opened at 10:05 a.m., in the Hylebos Conference room, City of Federal Way City Hall, 33325 8th Ave S. All bidders are required to acknowledge receipt of this addendum on page RFB-9 of this Bid Form. Failure to do so may cause rejection of the bid.

CITY OF FEDERAL WAY

Sincerely,



John Mulkey, P.E.
Capital Engineer

JM:jm

Enclosure

cc: Christine Mullen, P.E, Engineer Manager