1 - LANE

NOTES:

1. RAMP METER SIGNAL DISPLAYS SHALL BE LOCATED AS SHOWN IN THE PLANS. THE FOUNDATION AND MAST ARM SIGNAL SUPPORT SHALL CONFORM TO STANDARD CONSTRUCTION DRAWING (SCD) TC-21.22. SIGNAL HEADS SHALL BE 12" LED. TWO SECTION HEAD OVER GREEN BLACK POLYCARBONATE HOUSING WITH BLACK ALUMINUM VISOR, REFLECTIVE BACKPLATES, AND SHALL CONFORM TO 725.01. THE SIDE MOUNTED SIGNAL HEAD SHALL BE MOUNTED FOLLOWING SCD TC-85.10.

Payment will be made at the contract unit price for each item bid separately.

2. RAMP METER SIGNS AND WARNING BEACONS SHALL BE LOCATED AS SHOWN IN THE PLANS TWO 12" YELLOW LED WARNING BEACONS SHALL BE LOCATED ON THE RAMP METERED WHEN FLASHING (W3-8) SIGN AS SHOWN IN THIS DRAWING, THE BEACONS SHALL FLASH SIMULTANEOUSLY. SEE SHEET 3 FOR TYPICAL RAMP METER SIGN PLACEMENT.

Payment will be made at the contract unit price for each item bid separately. MISC. - RAMP METER SIGN AND SHALL INCLUDE THE FOUNDATION EXCAVATION, FOUNDATION CONCRETE, ANCHOR BOLTS, GROUND ROG, BREAKAWAY BASE, POLE, SIGN, SIGN BRACKETS, FLASHERS, MOUNTING HARDWARE AND ALL OTHER ITEMS NECESSARY FOR A COMPLETE INSTALLATION.

Electrical cable will be paid as a separate item.

3. RAMP METER CONTROL EQUIPMENT SHALL BE LOCATED AS SHOWN IN THE PLANS. CONTROL EQUIPMENT, CABINET AND CABINET ITEMS SHALL CONFORM TO THE SPECIFICATIONS ESTABLISHED BY THE OFFICE OF TRAFFIC OPERATIONS HANDBOOK AND THE CONSTRUCTION AND MATERIAL SPECIFICATIONS. EACH RAMP METER CABINET WITH CONTROLLER SHALL CONSIST OF ALL HARDWARE NEEDED TO BE FULLY FUNCTIONAL. FOR FULL SPECIFICATION, SEE RAMP METER SPECIFICATION IN THE PLAN SET.

Payment will be made at the contract unit price for separate bid items including use of 809 atc controller, app and 809 its cabinet - ramp meter.

4. PREFERRED RADAR DETECTOR LOCATION IS ON MAST ARM. IN THE CASE THAT THE RAMP METER CONFIGURATION PREVENTS THE MAST ARM LOCATION, A SEPARATE POLE AND FOUNDATION ARE TO BE USED TO ACCURATELY DETECT THE LANES.
NOTES:

1. RAMP METER SIGNAL DISPLAYS SHALL BE LOCATED AS SHOWN IN THE PLANS. THE FOUNDATION AND MAST ARM SUPPORT SHALL CONFORM TO STANDARD CONSTRUCTION DRAWINGS (SCD) TC-21.31 AND TC-81.22. SIGN HEADS SHALL BE 12" X 12" LED, TWO SECTION, RED OVER GREEN, BLACK POLYCARBONATE HOUSING WITH BLACK ALUMINUM VISOR, REFLECTIVE BACKPLATES, AND SHALL CONFORM TO 732.01. THE SIDE-MOUNTED SIGNAL HEAD SHALL BE MOUNTED FOLLOWING SCD TC-48.10.

   PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE FOR EACH ITEM BID SEPARATELY.

2. RAMP METER SIGNS AND WARNING BEACONS SHALL BE LOCATED AS SHOWN IN THE PLANS.

   TWO 12" YELLOW LED WARNING BEACONS SHALL BE LOCATED ON THE RAMP METERED WHEN FLASHING (#3-B SIGN AS SHOWN IN THIS DRAWING. THE BEACONS SHALL FLASH SIMULTANEOUSLY. SEE SHEET 3 FOR TYPICAL RAMP METER SIGN PLACEMENT.

   PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE FOR EACH ITEM 632 SIGNALIZATION, MISC. - RAMP METER SIGN AND SHALL INCLUDE THE FOUNDATION EXCAVATION, FOUNDATION CONCRETE, ANCHOR BOLTS, BREAKAWAY BASE, POLE, SIGN, SIGN BRACKETS, FLASHERS, MOUNTING HARDWARE AND ALL OTHER ITEMS NECESSARY FOR A COMPLETE INSTALLATION.

   ELECTRICAL CABLE WILL BE PAID AS A SEPARATE ITEM.

3. RAMP METER CONTROL EQUIPMENT SHALL BE LOCATED AS SHOWN IN THE PLANS. CONTROL EQUIPMENT, CABINET AND CABINET ITEMS SHALL CONFORM TO THE SPECIFICATIONS ESTABLISHED BY THE OFFICE OF TRAFFIC OPERATIONS HANDBOOK AND THE CONSTRUCTION AND MATERIAL SPECIFICATIONS. EACH RAMP METER CABINET WITH CONTROLLER SHALL CONSIST OF ALL HARDWARE NEEDED TO BE FULLY FUNCTIONAL. FOR FULL SPECIFICATION, SEE RAMP METER SPECIFICATION IN THE PLAN SET.

   PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE FOR EACH ITEM BID SEPARATELY. PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE FOR EACH ITEM BID SEPARATELY.

4. PREFERRED RADIATION DETECTOR LOCATION IS ON MAST ARM. IN THE CASE THAT THE RAMP CONFIGURATION PREVENTS THIS LOCATION, A SEPARATE POLE AND FOUNDATION ARE TO BE USED TO ACCURATELY DETECT THE LANES.

   WHEN FLASHING (W3-8) SIGN AS SHOWN IN THIS DRAWING. THE BEACONS SHALL FLASH SIMULTANEOUSLY. SEE SHEET 3 FOR TYPICAL RAMP METER SIGN PLACEMENT.

   Ramp meter signs and warning beacons shall be located as shown in the plans.

   Two 12" yellow LED warning beacons shall be located on the ramp metered when flashing (#3-B sign as shown in this drawing. The beacons shall flash simultaneously. See sheet 3 for typical ramp meter sign placement.

   Payment will be made at the contract unit price for each item 632 signalization, Misc. - Ramp meter sign and shall include the foundation excavation, foundation concrete, anchor bolts, breakaway base, pole, sign, sign brackets, flashers, mounting hardware and all other items necessary for a complete installation.

   Electrical cable will be paid as a separate item.

   Ramp meter control equipment shall be located as shown in the plans. Control equipment, cabinet and cabinet items shall conform to the specifications established by the Office of Traffic Operations Handbook and the construction and material specifications. Each ramp meter cabinet with controller shall consist of all hardware needed to be fully functional. For full specification, see ramp meter specification in the plan set.

   Payment will be made at the contract unit price for each item bid separately. Payment will be made at the contract unit price for each item bid separately.

   Preferred radiation detector location is on mast arm. In the case that the ramp configuration prevents this location, a separate pole and foundation are to be used to accurately detect the lanes.

   Ramp meter signs and warning beacons shall be located as shown in the plans. Two 12" yellow LED warning beacons shall be located on the ramp metered when flashing (#3-B sign as shown in this drawing. The beacons shall flash simultaneously. See sheet 3 for typical ramp meter sign placement.

   Payment will be made at the contract unit price for each item 632 signalization, Misc. - Ramp meter sign and shall include the foundation excavation, foundation concrete, anchor bolts, breakaway base, pole, sign, sign brackets, flashers, mounting hardware and all other items necessary for a complete installation.

   Electrical cable will be paid as a separate item.

   Ramp meter control equipment shall be located as shown in the plans. Control equipment, cabinet and cabinet items shall conform to the specifications established by the Office of Traffic Operations Handbook and the construction and material specifications. Each ramp meter cabinet with controller shall consist of all hardware needed to be fully functional. For full specification, see ramp meter specification in the plan set.

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