

ROAD COMMISSION FOR OAKLAND COUNTY

SPECIAL PROVISION FOR HEMISPHERICAL VIDEO DETECTION

RCOC/TOC

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RCOC20SP820FF
REV: 03-01-25

a. Description

This work shall be done in accordance with all contract documents, except as herein provided.

b. Materials

All work must be in accordance with the contract documents and the Michigan Department of Transportation (MDOT) Special Provision for Hemispherical Video Detection (20SP-820N or current version) except as modified below:

1. General

- A. All hemispherical camera cables shall be CAT5e (shielded, 24 AWG solid core, gel filled, direct burial, outdoor rated, UV resistant).
- B. Cable shall have a drain wire.
- C. The maximum length of cable without a POE (power over ethernet) repeater is 200 feet. Provide repeater for cable length greater than 200 feet.
- D. Ground the drain wire to the EPM (ethernet protection module) ground lug using 1-1/c#6 AWG copper from lug on EPM to cabinet ground bus.
- E. If required by the Engineer, the contractor shall provide documentation from the camera supplier that the cable is compatible with the camera.

2. Ethernet Patch Cable

- A. Provide the RCOC inspector with an additional:
6 foot CAT5E shielded patch cable (1 each)

3. Delivery

- A. Deliver the VIVDS processor to the Road Commission for Oakland County (RCOC) for setup and installation in the controller cabinet.

4. Acceptance

- A. Provide General Certification per the *MDOT's Materials Quality Assurance Procedures Manual* to the Engineer that the materials meet the requirements specified herein.

B. Burn-in Period

(1) Initial acceptance - Camera shall be initially accepted when:

- The connection is made to the RCOC TOC building
- The camera is fully functional and being operated by the RCOC Operations Engineer via the website
- The hemispherical detection camera app shall be functional from the RCOC TOC building.
- The hemispherical camera is viewable at the RCOC TOC building

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- The hemispherical camera can be programmed (detection zones, etc.) at the RCOC TOC building within the hemispherical detection app.

The contractor shall request, in writing, the official date of initial acceptance.

Fifty percent of the associated Hemispherical Video Detection pay items will be paid upon initial acceptance.

- (2) Burn-in Period - Begin the burn-in period at a time after camera connection and initial acceptance and as approved by the Engineer.

Conduct the burn-in-period for 90 days.

- (3) The contractor is responsible for all maintenance during the burn in period.

All failures, material replacement, and repairs shall be coordinated by the contractor and made at the contractor's expense.

- (4) RCOC will notify the contractor of any required items to address.

- (5) There may be no equipment failures/items to address during the burn-in-period. If one occurs, restart the 90-day period after the failure has been corrected to the Engineer's satisfaction.

- (6) Furnish, install, and integrate all available software/firmware upgrades through final acceptance for all new devices.

- (7) The remaining 50 percent will be paid upon successful completion of the burn-in period. Final acceptance requires delivery of all contract deliverables, including all project documentation.

5. Warranty

Warranty period begins after the project's final acceptance and burn-in period (whichever is later).

c. Construction

All work must be in accordance with the contract documents.

d. Measurement and Payment

The above items of work will not be paid for separately and are considered included in the contract unit price for other items of work.