

1 Make this section a part of the Standard Specifications:

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3 **SECTION 110 - TRAFFIC MANAGEMENT CENTER**
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5 **110.01 Scope of Work.** The work shall consist of furnishing and installing
6 a server based Traffic Management Center (TMC), including video detection
7 systems, cellular communications, system monitors, and all necessary equipment,
8 programming, and data to provide a fully functional system that meets the contract
9 specifications.

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11 All work shall be performed in a professional manner in accordance with
12 current practices and this document. All debris shall be removed daily at all
13 locations. See Section 110.02 – Area of Coverage.

14
15 The Contractor shall work as directed by the Highways Division's Kauai
16 District Project Engineer. The Contractor, as per Section 110.03 Safety and
17 Convenience, shall provide traffic control.

18
19 The Contractor or Subcontractor shall possess a Specialty Contractor's "C-
20 13" license for the full term of the contract. Failure to meet this requirement shall
21 be cause for disqualification.

22
23 **110.02 Area of Coverage -** The project requires the Contractor to furnish all
24 TMC equipment at all existing traffic signals. Work shall consist of installations at
25 32 signalized intersections corresponding to five routes and Rice St. as shown on
26 the attached map of the island of Kauai (Figure 1). Note: There are numerous
27 side streets with or without route numbers along State highways where State
28 Jurisdiction extends various distances into side streets. The 32 signalized
29 intersections are:

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31
32 **(A) Route 50:**

33
34 **3-leg Intersections:**

- 35 1. @ Rice St./Kuhio Hwy. (Route 56) – MP 0.0
36 2. @ Nawiliwili Rd. (Route 58) - MP 0.65
37 3. @ Kalepa St. – MP 0.81
38 4. @ Moi Rd. – MP 16.80

39 **4-leg Intersections:**

- 40 5. @ Hokulei Village Ln. – MP 1.02
41 6. @ Nuhou St. – MP 1.23
42 7. @ Puhi Rd. – MP 1.75
43 8. @ Koloa Rd. – MP 10.40
44 9. @ Papalina Rd./Opu Rd. – MP 11.75
45 10. @ Waialo Rd./Eleele Rd. – MP 15.92
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47

(B) Route 56:

3-leg Intersections:

- 11. @ Poinciana St. – MP 0.32
- 12. @ Ahukini Rd. (Route 570) – MP 0.42
- 13. @ Walmart Access Rd. – MP 0.61
- 14. @ Kapule Hwy. (Route 51) – MP 2.60
- 15. @ Kuamoo Rd. – MP 6.0
- 16. @ Haleilio Rd. – MP 6.29
- 17. @ Kapaa Shopping Center – MP 7.93

4-leg Intersections:

- 18. @ Ehiku St. – MP 0.50
- 19. @ Eha St. – MP 0.73
- 20. @ Laukona St. – MP 1.68
- 21. @ Hanamaulu Rd. – MP 2.04
- 22. @ Kamoia Rd. – MP 7.27
- 23. @ Kauai Village Shopping Center – MP 7.38
- 24. @ Kukui St./Oloheua Rd. – MP 8.41

(C) Route 51:

4-leg Intersections:

- 25. @ Halau St./Haoa St. – MP 1.09
- 26. @ Kaana St. – MP 1.62
- 27. @ Ahukini Rd. (Route 570) – MP 1.94

(D) Route 58:

4-leg Intersections:

- 28. @ Pikake St. – MP 1.63
- 29. @ Haleko Rd. – MP 1.83

(E) County of Kauai (Rice Street):

4-leg Intersections:

- 30. @ Hardy St.
- 31. @ Umi St.
- 32. @ Hoolako St.

110.03 Safety and Convenience - The Contractor shall conduct his work to assure the least possible obstruction to public traffic. The safety and convenience of the public and the protection of persons and property is of utmost importance, and the Contractor shall provide appropriate traffic control and safety measures. The Contractor and his employees shall treat members of the public

in a fair and polite manner. Workers shall present a professional appearance and conduct themselves in a professional manner.

While conducting work within the HWY-K Baseyard, the Contractor shall have all persons wear appropriate personal protective equipment (PPE) such as masks and gloves for the duration of the stay. The Contractor shall confirm employees are asymptomatic prior to arriving to the HWY-K Baseyard for work.

All Traffic control and safety measures shall be done in conformance with the "Administrative Rules of Hawaii Governing the Use of Traffic Control Devices at Work Sites on or Adjacent to Public Streets and Highways" adopted by the Director of Transportation, and the current U.S. Federal Highway Administration "Manual on Uniform Traffic Control Devices (MUTCD) for Streets and Highways", 2009 Edition. Costs for traffic control shall include set-up and removal of all signs, cones, delineators, barricades, flag persons, police officers, arrow boards, etc., and shall be measured on contract lump sum basis. See Section 645 – Work Zone Traffic Control.

All work which requires the closure of lanes shall be performed at night. Night work shall be done from 9:00 P.M. to 5:00 A.M. the following day. No night work is permitted from September 15 through December 15.

The Contractor shall remove debris daily and shall leave the work site in a condition equal to or cleaner than prior to commencing work. The Contractor shall be responsible for all hauling and lawful disposal of debris. Any unauthorized or illegal disposal is grounds for termination of the contract.

110.04 Hours of Operation - The Contractor shall be available to provide the specified services during normal working hours and complete the services within the period specified in the work order. Normal working days and hours for the project are defined as Monday through Friday, 8:30 A.M. to 3:00 P.M., except for State holidays. Normal Working Hours for night works is defined as 9:00 P.M. to 5:00 A.M. as specified under Section 110.04. Refer to Section 645 – Work Zone Traffic Control. All services requested after normal work hours shall be approved in advanced by the Engineer and may be charged in accordance with Subsection 107.04 – Overtime and Night Work.

END OF SECTION 110

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