

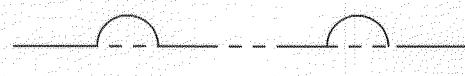
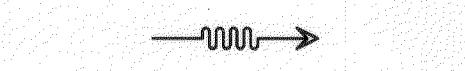
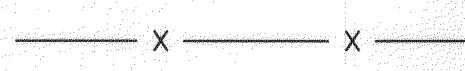
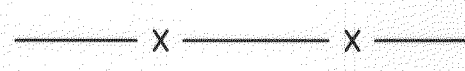
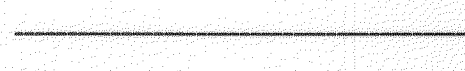
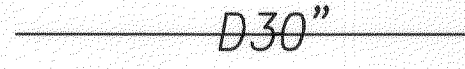
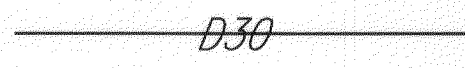
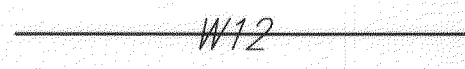

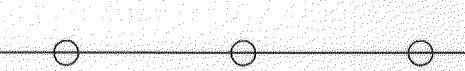




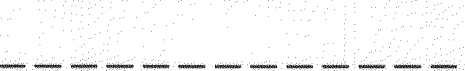
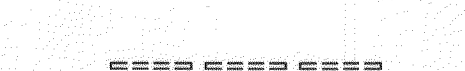

GENERAL NOTES

1. The Project consists of median improvements and other safety improvements in the vicinity of the Olomana Golf Course. The existing roadway will be re-striped and/or widened to accommodate the installation of barrier guardrails and rumble strips within the median. Other safety improvements will consist of improved highway lighting and the installation of a "Driver feedback speed display." Existing drainage, signs and traffic markings will be adjusted to accommodate these improvements.
2. The Contractor shall reference the "Hawaii 2005 Standard Specifications for Road and Bridge Construction."
3. The Contractor is reminded of the requirements of Subsection 105.16 – Subcontract Requirements, which requires him to perform work amounting to not less than 30 percent of the total contract cost less deductible items. Non-compliance with this Subsection may be grounds for rejection of bid.
4. The Contractor's attention is directed to the following Sections of the Specifications: Subsection 104.09 – Maintenance of Traffic; Subsection 104.11 – Utilities and Services; Subsection 105.09 – Coordination Between Contractors; Subsection 107.06 – Contractor Duty Regarding Public Convenience; and Section 645 – Work Zone Traffic Control.
5. At the end of each day's work, the Contractor shall remove all equipment and other obstructions to permit free and safe passage of public traffic.
6. The existence and location of underground utilities, manholes, monuments and structures as shown on the plans are from the latest available data but the accuracy is not guaranteed. The encountering of other obstacles during the course of work is possible. The Contractor shall be held liable for any damages incurred to the existing facilities and/or improvements as a result of his operations.
7. The Contractor shall notify in writing, the Oahu Transit Services, Inc. Roads Supervision Office, 811 Middle St., Hon., HI 96819 (Phone: 848-4571) seven (7) days prior to any paving operations.
8. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.
9. The existing drainage system shall be functional at all times during construction. The Contractor shall furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to various contract items.

GENERAL NOTES (CONT.)

10. All saw cutting work including vacuuming of slurry shall be considered incidental to Asphalt Concrete Pavement, Mix. No. IV.
11. At the location where the new pavements tie into the existing pavement, the Contractor shall check the existing and design grades to ensure a smooth riding connection. The Contractor shall saw cut (vacuum slurry) the existing pavement to provide a neat connection. This work will be incidental to various contract items.
12. Work required to complete the project but not itemized specifically in the proposal shall be considered incidental to the various contract items and shall not be paid for separately. This includes restoration of areas adjacent to work areas to a condition of same or better.
13. ~~Steel plate used on roadways exposed to traffic shall be 1" thick minimum with non-skid surfaces.~~  
The Contractor shall be responsible for structural soundness and stability of non-skid steel plates in any roadway installation.
14. ~~Contractor shall pre-arrange for an Environmental Consultant to sample and submit reports as required.~~
15. The Contractor shall maintain all street lights within the project limits at no cost to the State. All street lights shall be operating within 24 hours of discovery of a malfunction.

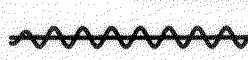
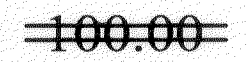
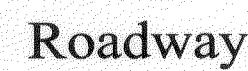
LEGEND

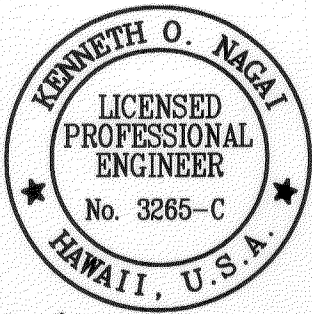
-  Right of way
-  Flow line
-  Exist. Wire fence w/ metal posts
-  New wire fence w/ metal posts
-  Exist. Under drain
-  New drain line
-  Exist drain line
-  Exist water line
-  Denotes access permitted  
And right of way
-  Exist. Guard rail
-  Limits of grading
-  Exist. Spot elevations
-  Exist. Contours
-  New contours
-  Sawcut
-  Exist. Broken ac curb
-  New light standard

ABBREVIATIONS

|           |                                   |           |                          |
|-----------|-----------------------------------|-----------|--------------------------|
| A.C.      | Asphalt Concrete                  | L.P.      | Lamp Pole                |
| Approx.   | Approximate                       | Lt.       | Left                     |
| BC        | Bottom Curb                       | Mh        | Manhole                  |
| Bot.      | Bottom                            | O/S       | Offset                   |
| BW        | Bottom Wall                       | O.C.      | On Center                |
| BWS       | Board Of Water Supply             | O/h       | Overhead                 |
| Catv      | Cable Television                  | O/s       | Offset                   |
| C.B.      | Catch Basin                       | Pav't.    | Pavement                 |
| C.L.      | Chain Link                        | Perf.     | Perforated               |
| Clr.      | Clear                             | P.M.      | Parking Meter            |
| Cmp       | Corrugated Metal Pipe             | Ref.      | Reflector                |
| Cmu       | Concrete Masonry Unit             | Rhc       | Right Horizontal Control |
| C.O.      | Clean Out                         | Rt.       | Right                    |
| Comm.     | Communication                     | R/W       | Right Of Way             |
| Conc.     | Concrete                          | S         | Sewer Or Spread          |
| Crm       | Concrete Rubble Masonry           | Sht.      | Sheet                    |
| D         | Diameter Or Drain                 | Std.      | Standards                |
| Det.      | Detail                            | Sdmh      | Storm Drain Manhole      |
| D.I.      | Drain Inlet                       | Sl        | Street Light             |
| Dwgs.     | Drawings                          | Slb       | Street Light Box         |
| E/elec.   | Electric                          | Smh       | Sewer Manhole            |
| Elev./el. | Elevation                         | St. Name  | Street Name              |
| ep        | Exist. Edge Of Pavement           | Sta.      | Station                  |
| EOP       | New Edge Of Pavement              | TC        | Top Curb                 |
| es        | Exist. Edge Of Shoulder           | TDC       | Top Drop Curb            |
| ES        | New Edge Of Shoulder              | T or Tel. | Telephone                |
| Exist.    | Existing                          | Tp        | Top pipe                 |
| F.H.      | Fire Hydrant                      | Trc       | Top Rolled Curb          |
| G         | Gas                               | Ts        | Top stem                 |
| GDI       | Grated Drain Inlet                | Tsl       | Traffic Signal Light     |
| Gnd.      | Ground                            | Tslb      | Traffic Signal Light Box |
| G.P.      | Guard Post/guy Pole/<br>Gate Post | Tv        | Top Valve                |
| g.w.      | Guy wire                          | Tw        | Top Wall                 |
| G/R       | Guardrail                         | Typ.      | Typical                  |
| H         | Height                            | U.P.      | Utility Pole             |
| HC        | Horizontal Control                | W         | Water                    |
| HDPE      | High Density Polyethylene         | W/        | With                     |
| HW        | Headwall                          | wm        | Water Meter              |
| ICV       | Irrigation Control Valve          | wmh       | Water Manhole            |
| Inv.      | Invert                            | Wv        | Water Valve              |
| LHC       | Left Horizontal Control           | x-walk    | Cross Walk               |

LEGEND FOR AS-BUILT POSTING

-  Squiggly line for as-built deletion
-  Double line for as-built deletion
-  Text for as-built posting



SIGNATURE  
APRIL 30, 2010  
EXPIRATION DATE OF LICENSE  
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

GENERAL NOTES  
AND LEGEND

KALANIANA'OLE HIGHWAY MEDIAN  
IMPROVEMENTS VICINITY OF OLOMANA  
GOLF COURSE PROJECT NO. 72A-02-06

DATE: June 2008

SHEET No. C-1 OF 43 SHEETS