GENERAL NOTES

- 1. The scope of work for this project consists of cold planing, resurfacing, reconstructing weakened pavement areas, replacing damaged curb \$\psi\$ gutter, installing concrete bus pads, reconstruction of sidewalks, adjusting utility manholes and pullboxes, installing loop detectors, striping and pavement markings, transverse duct crossings, traffic signal interconnect cable, highway lighting conduit, installing new lighting foundations and poles, upgrading bridge rails and end posts and undergrounding utility lines.
- 2. The Contractor is reminded of the requirements of Subsection 105.16 Subcontracting, 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 bids.
- 3. The Contractor's attention is directed to the following Sections of the Special Provisions: Subsection 104.09 Maintenance of Traffic; Subsection 104.11 Utilities and Services; Subsection 107.06 Contractor Duty Regarding Public Convenience and Section 645 Traffic Control.
- 4. 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.
- 5. 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. All damaged portions shall be replaced in accordance with the standards and specifications of the affected utility company at the Contractor's expense.
- 6. The Contractor shall verify the presence of existing aerial and underground utilities which may conflict with construction activities and shall coordinate with the utility company for temporary relocation as necessary. All cost associated with the temporary relocation shall be borne by the Contractor.
- 7. The exact locations and limits of areas to be filled with leveling course, reconstructed and cold planed shall be determined in the field by the Engineer.
- 8. The Contractor shall notify in writing, the Oahu Transit Services, Inc. Roads Supervision Office, 811 Middle St., Hon., HI 96819 (ph. #848-4571) seven (7) days prior to any paving operations.
- 9. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.
- 10. The Contractor shall remove and dispose of all existing raised pavement markers and traffic tapes prior to the overlaying of Superpave Asphalt Concrete. This work shall be considered incidental to Superpave Asphalt Concrete Pavement, and will not be paid for separately.
- 11. All holes, depressions and wheel ruts shall be filled and compacted with Asphalt Concrete Pavement, Mix No. V prior to resurfacing. This work will be paid for under Asphalt Concrete Pavement, Mix No. V. (Leveling Course). Minimum depth for the use of leveling course shall be 1/2 inch.
- 12. Smooth riding connections shall be constructed at all limits of resurfacing and reconstruction, including the beginning and end of project, connecting approaches, side streets and driveways as shown on the plans and/or as directed by the Engineer.
- 13. Dressing of shoulder and sidewalk shall consist of clearing, grubbing, grading, reshaping and compacting the unpaved adjacent areas with suitable material as shown on the plans and/or as directed by the Engineer. This work shall be considered incidental to the various contract items.
- 14. Existing drainage system will be functional at all time during construction. The Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to various contract items.

- 15. Earth swale shall be graded to drain. This work shall be considered incidental to the various contract items.
- 16. The Contractor shall provide and maintain for access to and from all existing sidewalks, ADA access routes complying with ADAAG section 4.3, and cross streets at all times. This work shall be considered incidental to Asphalt Concrete Pavement and will not be paid for separately.
- 17. All saw cutting work shall be considered incidental to Roadway Excavation.
- 18. Contractor shall dispose or deliver any removed material at no cost to the State.
- 19. Prior to his resurfacing operations, the Contractor shall be responsible for locating, preserving and marking all utility and highway facilities that will require adjustments to the new finished pavement grade. Additionally, the Contractor shall submit to the Engineer a list of all items, including water, drainage, sewer, electrical, telephone and cable utilities to be adjusted to the new finished grade. This work shall be considered incidental to the various contract items.
- 20. After completion of resurfacing, the Contractor and the Engineer will test for, and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resuface and/or repair all such ponding areas. Corrective measures shall be approved by the Engineer.
- 21. No material and/or equipment shall be stockpiled or otherwise stored within the highway right-of-way except at locations designated in writing and approved by the Engineer. If use of a location is approved by the Engineer, the Contractor shall obtain a permit to use the property within the right-of-way from the State Highways Right-of-Way Branch at telephone no. 692-7332.
- 22. Tack coat shall be incidental to the various Asphalt Concrete Pavement items.
- 23. The Contractor is to take special measures to reduce dust from cold planing operations including but not limited to use of water misters on cold planing equipment and vacuum sweepers. Use of power brooms to sweep road is not allowed if a dust nuisance is created.
- 24. The Contractor shall obtain all necessary permits prior to start of work at his own cost.
- 25. The Contractor shall submit maintenance plans and schedules, including traffic detours, road or lane closures, lane switches, and the placement of temporary traffic control devices, to the Engineer for acceptance prior to construction.
- 26. During non-working hours, the trenches on all streets shall be covered using 1-inch thick steel plates with non-skid surfaces and all lanes maintained open for traffic.
- 27. All work specified in the contract but not listed separately in the proposal schedule shall be considered incidental to other various contract items and shall not be paid for separately.
- 28. Existing concrete sidewalk shall be saw cut at scorelines prior to reconstructing the sidewalk. Actual location of the scoreline shall be determined in the field. Saw cutting shall be considered incidental to reconstructing the sidewalk.
- 29. Contractor shall sawcut around the columns of all bus shelter. This work shall be considered incidental to new sidewalk.
- 30. All sidewalk trenching for installation of electrical conduits shall be repaired to the entire width. This work shall be considered incidental to various contract items. See electrical plans for further notes.
- 31. All utility on sidewalk shall be adjusted to the new finished sidewalk grade. This work shall be consider incidental to new sidewalk.
- 32. The Contractor shall obtain approval of the archaeological monitoring plans from State Historic Preservation Office before commencing work.

| FED. ROAD DIST. NO. | STATE | PROJ. NO. | FISCAL YEAR | | TOTAL SHEETS |
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| HAWAII | HAW. | NH-092-1(27) | 2009 | 3 | 302 |

- 33. The Contractor shall provide and maintain for access to and from all existing sidewalks, ADA access routes complying with ADAAG Section 4.3 and cross streets at all times. This work shall be considered incidental to new sidewalk and will not be paid for separately.
- 34. The Contractor shall notify the Hawaii One Call Center (HOCC) at 1-866-423-7287 for excavation or drilling at least five (5) working days, but not more than twenty-eight (28) calendar days prior to commencing excavation or drilling work in accordance with Hawaii Revised Statutes Chapter 269E. The Contractor shall provide the HOCC, a description of the site, that includes the county and address or description of where the excavation or drilling will take place, including but not limited to the nearest intersecting street, side street, or other tie-in measurements as needed. The Contractor shall not begin excavation or drilling operations without prior clearances from HOCC.

LEGEND

___ Existing 4" Gas Line

| | A.C. Reconstruction Areas | $\Box ub\sigma x$ | Existing Utility Box |
|---------------------|----------------------------------|-------------------|------------------------------------|
| | Resurfacing Limits | | Existing Fuel Line |
| | New PCC Bus Pad Pavement | · _ | Existing 6" Sewer Line |
| | Sidewalk Reconstruction Areas | | Existing 12" Sewer Line |
| —— AC —— | Existing Signal Corpline | <i>\$</i> 16 | - Existing 16" Sewer Line |
| —-е- | Existing Electrical Line | | - Existing 24" Sewer Line |
| opp | Existing Power Pole | <i>\$32</i> | - Existing 32" Sewer Line |
| ∘ <i>emħ</i> | Existing Electric Manhole | <i>p34</i> | Existing 34" Sewer Line |
| © EMH | Adjusted Electric Manhole | <i>₄36</i> | Existing 36" Sewer Line |
| \Box_{ebox} | Existing Electric Box | | Existing 69" Sewer Line |
| —— t —— | Existing Telephone Line | osmh | Existing Sewer Manhole |
| o tmħ | Existing Telephone Manhole | ° SMH | Adjusted Sewer Manhole |
| ° TMH | Adjusted Telephone Manhole | osamh | Existing Storm Drain Manhole |
| $\Box t b \sigma x$ | Existing Telephone Box | O SDMH | Adjusted Storm Drain Manhole |
| w6 | Existing 6" Water Line | \Box cdi | Existing Concrete Drainage Inlet |
| w8 | Existing 8" Water Line | $c b_{c}$ | Existing Catch Basin |
| w12 | Existing 12" Water Line | —— d12 —— | Existing 12" Drain Line |
| \square_{WM} | Existing Water Manhole | d18 | Existing 18" Drain Line |
| \circ wm | Existing Water Meter | — d30— | Existing 30" Drain Line |
| • WMH | Adjusted Water MH Frame/Cover | Ŷ | Existing Highway Lighting Standard |
| ° wv | Existing Water Valve | • | New Highway Lighting Standard |
| • WV | Adjusted Water Valve Frame/Cover | , t. 5. | |
| -6-fħ | Existing Fire Hydrant | U | b Existing Traffic Signal Pullbox |
| g1 | Existing 1" Gas Line | | Adjusted Traffic Signal Pullbox |
| g11/4 | Existing 11/4" Gas Line | | Existing Monument |
| — g2 — | Existing 2" Gas Line | | Adjusted Monument |

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

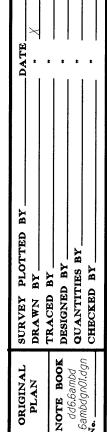
GENERAL NOTES AND LEGEND

<u>NIMITZ HIGHWAY AND</u> <u>ALA MOANA BOULEVARD RESURFACING</u> AND HIGHWAY LIGHTING REPLACEMENT

Fort Street to Kalakaua Avenue
Federal Aid Project No. NH-092-1(27)

Date: March 2007

SHEET No. 1 OF 2 SHEETS



| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL | SHEET NO. | TOTAL SHEETS |
|------------------------|-------|-----------------------|--------|--------------|-----------------|
| HAWAII | HAW. | NH-092-1(27) | 2009 | 4R | 302 |

PAVING AROUND MANHOLES:

- 1. The Contractor shall first lower manholes more than 3" prior to cold planing. The work shall be considered incidental to the various paving contract items. Upon final paving, the manhole shall be raised and paid under various contract items pertaining to manhole adjustments.
- 2. The Contractor shall place hot asphalt concrete around manholes and compact properly with a vibrating plate compactor.
- 3. If a plate compactor is not used, the Contractor shall use a pneumatic roller to roll the area around the manhole which is not rolled by the steel roller.
- 4. The Contractor shall fog seal or brush emulsion seal on the material placed as backfill on the area around the manhole that was not compacted by the roller. Black sand shall be used to blot out the area if the fog is too heavy.

PUBLIC HEALTH, SAFETY, AND CONVENIENCE:

- 1. The Contractor shall observe and comply with all federal, state and local laws required for the protection of public health and safety and environmental quality.
- 2. The Contractor at his own expense, shall keep the project and its surrounding areas free from dust nuisance. The work shall be in conformance with the Air Pollution Standards and Regulations of the State Department of Health. The City shall require supplementary measures as necessary.
- 3. Contractor shall provide, install and maintain all necessary signs, lights, flares barricades, markers, cones, and other protective facilities and shall take all necessary precautions for the protection, convenience, and safety of the public.

TRAFFIC NOTES FOR WORK ON CITY & COUNTY STREETS:

- 1. A permit shall be obtained from the Department of Transportation Services before work on any portion of a public street or highway may begin. Construction traffic control plans approved by the Department of Transportation Services and/or the Department of Planning and Permitting must be provided when applying for the permit.
- 2. The Contractor shall provide, install, and maintain all necessary signs and other protective facilities, which shall conform with the "Hawaii Administration Rules 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 Highways Administration's "Manual on uniform traffic control devices for street and highways, Parv VI- Traffic Controls for street and highway construction and maintenance operations."
- 3. Work on any city street area may be performed only between the hours of 8:30 A.M. to 3:30 P.M., Monday through Friday, unless otherwise permitted by the Department of Transportation Services.
- 4. During working hours, the Contractor shall provide for through traffic. During non-working hours, all trenches shall be covered with a safe non-skid bridging material and all lanes shall be open to traffic.
- 5. As required by the Department of Transportation Services, the Contractor shall provide off-duty police officers to control the flow of traffic.
- 6. Where pedestrian walkways exist, they shall be maintained in passable condition in accordance with ADAAG 4.1.1(4) and 4.3 or other facilities for pedestrians shall be provided. Passage between walkways at intersections shall likewise be provided.
- 7. Driveways shall be kept open unless the owners of the property using these rights-of-way are otherwise provided for satisfactorily.
- 8. Contractor shall reference to the approval of the Department of Transportation Services and the Department of Planning and Permitting, all existing traffic signs, posts and pavement markings prior to the commencement of construction. The Contractor shall replace or repair all traffic signs, posts and pavement markings disturbed by his activities.
- 9. The Contractor shall notify the Department of Planning and Permitting at 768-8084 one (1) week prior to any work to be done on signs, posts and pavement markings.
- 10. No equipment shall be stored within street rights-of-way except at locations designated in writing and approved by the Department of Transportation Services.
- 11. State Department of Transportation shall ensure that the Contractor installs the Construction Traffic Control Devices in accordance with the MUTCD and the Hawaii Administration Rules as specified in traffic note #2 above.

2/3/2010 Traffic Review Branch Approval
Signature and Revise Notes 2, 6 \(\psi \) 10
under Traffic Notes for Work on
City \(\psi \) County Streets

DATE

REVISION STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES

<u>NIMITZ HIGHWAY AND</u>

<u>ALA MOANA BOULEVARD RESURFACING</u>

<u>AND HIGHWAY LIGHTING REPLACEMENT</u>

<u>Fort Street to Kalakaua Avenue</u>

Federal Aid Project No. NH-092-1(27)

Date: March 2008

SHEET No. 2 OF 2 SHEETS

Approved:

CHIEF, TRAFFIC REVIEW BRANCH, DPP Da

(For work within City R/W only)