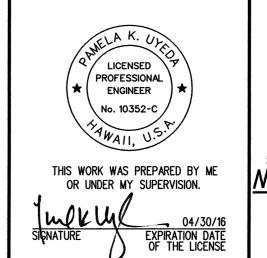
GENERAL NOTES:

- 1. The scope of work for this project includes reconstruction of Middle Street concrete and AC pavements; constructing cast-in-place PCC pavement, pre-cast PCC pavement, pre-cast post tensioned PCC pavement, and sidewalk and driveway improvements; installing HMA overlay for shared use path, guardrails, end treatments, concrete curbs and gutters, highway lighting, loop detectors, traffic signal backplates, pavement markings, and vehicle overload detection system; cleaning existing culverts; and traffic control.
- 2. Subsection 105.16(A) Subcontract Requirements requires the Contractor to perform work amounting to not less than 30 percent of the total contract cost less deductible items.
- 3. The Contractor's attention is directed to the following Sections of the Standard Specifications and the Special Provisions: Subsection 104.09 Maintenance of Traffic; Subsection 105.09 Coordination Between the Contractors; Subsection 107.06 Contractor Duty Regarding Public Convenience; Subsection 107.12 Protection of Persons and Property; and Section 645 Work Zone 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.
- 6. The Contractor shall notify in writing, the Oahu Transit Services, Inc. Field Operations Department, 811 Middle St., Hon., HI 96819 (Phone: 848-4571) three (3) weeks prior to construction, informing them of location, scope of work, and date(s) of lane(s) closure(s).
- 7. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.
- 8. The Contractor shall indemnify and be solely responsible for the protection of adjacent properties, utilities, and existing structures from damages due to construction. Repairing any damage shall be at the Contractor's own expense, to the satisfaction of the Engineer.
- 9. The existing drainage system shall be kept functional at all times during construction. Furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to the various contract items.
- 10. Smooth riding connections shall be constructed at all limits of the project, including the beginning and end of project, connecting approaches, side streets, walkways, and driveways as shown on the plans and/or as ordered by the Engineer.
- 11. All saw cutting work including vacuuming of slurry shall be considered incidental to PCC Pavement.
- 12. Maintain existing pedestrian walkways in a safe and passable condition, or provide other walkway facilities for pedestrians to maintain access. Passages between walkways at intersections shall likewise be provided at all times.

- 13. No material or equipment shall be stockpiled or otherwise stored within highway right-of-way except at locations shown on the plans or designated in writing and approved by the Engineer.
- 14. Contact Hawaiian Telcom Outside Plant Engineering Section, a minimum of 72 hours in advance, prior to start of excavation, to locate existing Hawaiian Telcom facilities.
- 15. When trench excavation is adjacent to existing structures or facilities, the Contractor is responsible for properly sheeting and bracing the excavation and stabilizing the existing ground to render it safe and secure from possible slides, cave-ins, and settlement. Provide beams, struts, or underpinning as necessary. This work shall be considered incidental to various contract items.
- 16. For night work, the Contractor shall follow all work hours, conditions, and other restrictions as specified in the noise variance and the Special Provisions.
- 17. 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.
- 18. The Contractor shall remove/uproot all vegetation within the cracks of the existing shared use path prior to overlaying of asphalt concrete pavement. Payment shall be considered incidental to HMA Mix V.
- 19. All azimuths and coordinates are referred to NAD83 Hawaii State Plane.
- 20. Elevations referred to Honolulu High-Capacity Transit Corridor Project primary control disk "HCTC-52" at the intersection of Kamehameha Highway and Middle Street. Top of Brass Disk, Elev. = 7.206 U.S. FT.
- 21. All graded areas and all grassed areas damaged by construction activities shall be planted in accordance with Specifications Section 641 Hydro-Mulch Seeding. This work shall be considered incidental to the various contract items.
- 22. The Contractor shall notify the Department of Environmental Services, Refuse Transfer Station at 845-1162 of the scope of work, location, construction phasing, and proposed lane and sidewalk closures a minimum of ten (10) working days prior to the start of construction.
- 23. The Contractor's attention is directed to HECO note 9.a. on sheet N-8. HECO Stand-By Personnel are required when excavating near HECO's 138kV underground lines. The need for HECO Stand-By Personnel at all other excavations near HECO's facilities is at the Contractor's discretion.

FED. ROAD DIST. NO. STATE FEDERAL AID PROJ. NO. FISCAL SHEET NO. SHEETS

HAWAII HAW. STP-7415(001) 2014 3 173



STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

LIICUMANS DIVISION

GENERAL NOTES

MIDDLE STREET PAVEMENT RECONSTRUCTION

North King Street to Kamehameha Highway

FAP NO. STP-7415(001)

Scale: None Date: June 20, 2014

SHEET No. N-2 OF 14 SHEETS

ORIGINAL SURVEY PLOTTED BY DATE
PLAN TRACED BY TRACED BY

NOTE BOOK DESIGNED BY

QUANTITIES BY

CHECKED BY

CHECKED BY

IDDLE_ST./CADD/SHEETS/NOTES_OI.dgn

FED. ROAD DIST. NO. STATE FEDERAL AID PROJ. NO. YEAR NO. SHEET NO. SHEETS NO. PUBLIC HEALTH, SAFETY AND CONVENIENCE NOTES:

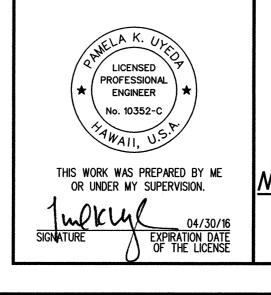
- 1. The Contractor shall observe and comply with all Federal, State, and Local laws required for the protection of public health and safety and environmental quality.
- 2. The Contractor, at his own expense, shall keep the project and its surrounding areas free from dust nuisance. The work shall be in conformance with the air pollution standards and regulations of the State Department of Health. The City may require supplementary measures as necessary.
- 3. The Contractor's attention is directed to Chapter 448, Public Health Regulations, Department of Health, State of Hawaii, "Community Noise Control for Oahu" in which maximum allowable noise levels have been set. If the construction activities for this project will exceed the allowable noise levels, the Contractor will be required to obtain a permit from the Director of the Department of Health. The Contractor shall obtain a copy of Chapter 448 and become familiar with the noise level restrictions and the procedures for obtaining a Permit for construction activities.
- 4. The Contractor is to comply with the directions of the State of Hawaii Occupation Safety and Health Law (DOSH).

CITY & COUNTY OF HONOLULU GRADING NOTES:

- 1. All grading work shall be done in accordance with Chapter 14, Articles 13, 14, 15 and 16, as related to Grading, Soil Erosion and Sediment Control of the Revised Ordinances of Honolulu, 1990, as amended, and Pavement Study by Hirata & Associates, Inc. dated November 20, 2013.
- 2. No Contractor shall perform any grading operation so as to cause falling rocks, soil or debris in any form to fall, slide or flow onto adjoining properties, streets or natural watercourses. Should such violations occur, the Contractor may be cited and the Contractor shall immediately make all remedial actions necessary.
- 3. The Contractor, at his own expense, shall keep the project area and surrounding area free from dust nuisance. The work shall be in conformance with the air pollution control standards contained in the Hawaii Administrative Rules, Title 11, Chapter 60.1, "Air Pollution Control".
- 4. The underground pipes, cables or ductlines known to exist by the Engineer from his search of records are indicated on the plans. The Contractor shall verify the locations and depths of the facilities and exercise proper care in excavating in the area. Wherever connections of new utilities are shown on the plans, the Contractor shall expose the existing lines at the proposed connections to verify their locations and depths prior to excavation for the new lines.
- 5. Adequate provisions shall be made to prevent surface waters from damaging the cut face of an excavation or the sloped surfaces of a fill. Furthermore, adequate provisions shall be made to prevent sediment-laden runoff from leaving the site.
- 6. All slopes and exposed areas shall be sodded or planted as soon as final grades have been established. Planting shall not be delayed until all grading work has been completed. Grading to final grade shall be continuous, and any area within which work has been interrupted or delayed shall be planted.
- 7. Fills on slopes steeper than 5:1 shall be keyed.

- 8. The City shall be informed of the location of the borrow/disposal site for the project when the application for a grading permit is made. The borrow/disposal site must also fulfill the requirements of the grading ordinance.
- 9. No grading work shall be done on Saturdays, Sundays and holidays at any time without prior notice to the Director, D.P.P., provided such grading work is also in conformance with the community noise control standards contained in the Hawaii Administrative Rules, Title 11, Chapter 46, "Community Noise Control".
- 10. The limits of the area to be graded shall be flagged before the commencement of the grading work.
- 11. All grading operations shall be performed in conformance with the applicable provisions of the water quality and water pollution control standards contained in Hawaii Administrative Rules, Title 11, Chapter 54, "Water Quality Standards", and Title 11, Chapter 55, "Water Pollution Control", and if applicable, the NPDES permit for the project.
- 12. Where applicable and feasible the measures to control erosion and other pollutants shall be in place before any earth moving phase of the grading is initiated.
- 13. Temporary erosion controls shall not be removed before permanent erosion controls are in-place and established.
- 14. Temporary Erosion Control Procedures shall be submitted for approval prior to application for grading permit.
- 15. If the grading work involves contaminated soil, then all grading work shall be done in conformance with applicable State and Federal requirements.
- 16. Building Permit for retaining walls shall be obtained prior to commencement of grading work on project site.
- 17. For non-City projects, the Contractor shall notify the Civil Engineering Branch, D.P.P. at 768-8084 to arrange for inspectional services and submit two (2) sets of approved Construction Plans seven (7) days prior to commencement of construction work. For City projects, the Contractor shall coordinate inspectional services with the responsible City agency.
- 18. Pursuant to Chapter 6E, HRS, in the event any artifacts or human remains are uncovered during construction operations, the Contractor shall immediately suspend work and notify the Engineer, the Honolulu Police Department, the State Department of Land and Natural Resources-Historic Preservation Division (692-8015). In addition, for non-City projects, the Contractor shall inform the Civil Engineering Branch, D.P.P. (768-8084); and for City projects, notify the responsible City agency.
- 19. For all projects, which will disturb one (1) acre or more of land, the Contractor shall not start construction until a Notice of General Permit Coverage (NGPC) is received from the Department of Health, State of Hawaii, and has satisfied any other applicable requirements of the NPDES permit program. Also, for non-City and other non-governmental agency projects, the Contractor shall provide a written copy of the NGPC to the Permitting and Inspection Section, Civil Engineering Branch, D.P.P., at least seven (7) calendar days before the start of the construction. For City or other governmental projects, the Contractor should provide a written copy of the NGPC to the appropriate City department or governmental agency per their requirements.

- 20. All grading and construction work shall implement measures to ensure that the discharge of pollutants from the construction site will be reduced to the maximum extent practicable and will not cause or contribute to an exceedance of water quality standards.
- 21. Non-compliance to any of the above requirements shall mean immediate suspension of all work, and remedial work shall commence immediately. All costs incurred shall be billed to the violator. Furthermore, violators shall be subjected to administrative, civil and/or criminal penalties.



STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

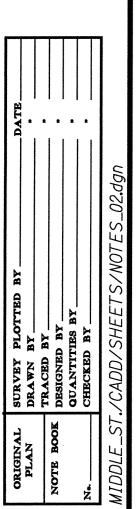
GENERAL NOTES

MIDDLE STREET PAVEMENT RECONSTRUCTION
North King Street to Kamehameha Highway
FAP NO. STP-7415(001)

Scale: None

Date: June 20, 2014

SHEET No. N-3 OF 14 SHEETS



TRAFFIC SIGNALS AND TECHNOLOGY DIVISION NOTES:

- 1. The Contractor shall notify the Traffic Signals and Technology Division, Department of Transportation Services, three (3) working days prior to commencing work on the traffic signal system (Phone: 768-8388).
- 2. The traffic signal system shall be kept operational during construction. Any relocation required shall be approved by the Traffic Signals and Technology Division, Department of Transportation Services, and paid for by the Contractor.
- 3. The Contractor shall be responsible for any damages to the existing traffic signal facilities, including but not limited to the traffic signal fiber optic cable system, and interconnect system. Any and all damages to these facilities shall be repaired by the Contractor at his cost in accordance with the requirements of the Traffic Signals and Technology Division.

CONSTRUCTION NOTES (WITHIN CITY RIGHT-OF-WAY):

- 1. All applicable construction work shall be done in accordance with the Standard Specifications for Public Works Construction, September 1986 and Standard Details for Public Works Construction, September 1984, as amended, of the Department of Public Works, City and County of Honolulu and the Counties of Kauai, Maui, and Hawaii.
- 2. The underground pipes, cables or ductlines known to exist by the engineer from his search of his records are indicated on the plans. The Contractor shall verify the locations and depths of the facilities and exercise proper care in excavating in the area. Wherever connections of new utilities to existing utilities are shown on the plans, the Contractor shall expose the existing lines at the proposed connections to verify their locations and depths prior to excavation for the new lines.
- 3. No Contractor shall perform any construction operation so as to cause falling rocks, soil or debris in any form to fall, slide or flow into existing City drainage systems, or adjoining properties, streets or natural watercourses. Should such violations occur, the Contractor may be cited and the Contractor shall immediately make all remedial actions necessary.
- 4. The Contractor shall be responsible for conformance with the applicable provisions of the water quality and water pollution control standards contained in Hawaii Administrative Rules, Title 11, Chapter 54, "Water Quality Standards" and Title 11, Chapter 55, "Water Pollution Control", as well as Chapter 14 of the Revised Ordinances of Honolulu, as amended. Best Management Practices shall be employed at all times during construction.
- 5. The Contractor shall notify the Civil Engineering Branch, Department of Planning and Permitting, at 768-8084 to arrange for inspection services and submit four (4) sets of approved Construction Plans seven (7) days prior to commencement of construction work.

6. Confined Space

For entry by City personnel, including inspectors, into a permit required confined space as defined in 29 CFR Part 1910.146(b), the Contractor shall be responsible for providing:

All safety equipment required by the confined space regulations applicable to all parties other than the construction industry, to include, but not limited to, the following:

- a. Full body harnesses for up to two personnel.
- b. Lifeline and associated clips.
- c. Ingress/egress and fall protection equipment.
- d. Two-way radios (walkie-talkies) if out of line-of-sight.
- e. Emergency (escape) respirator (10 minute duration).
- f. Cellular telephone to call for emergency assistance.
- g. Continuous gas detector (calibrated) to measure oxygen, hydrogen sulfide, carbon monoxide and flammables (capable of monitoring at a distance at least 20-feet away).
- h. Personal multi-gas detector to be carried by inspector.
- i. Continuous forced air ventilation adequate to provide safe entry conditions.
- j. One attendant/rescue personnel topside (two, if conditions warrant it).
- Pursuant to Chapter 6E, HRS, in the event any artifacts or human remains are uncovered during construction operations, the Contractor shall immediately suspend work and notify the Honolulu Police Department, the State Department of Land and Natural Resources-Historic Preservation Division (692-8015). In addition, for non-City projects, the Contractor shall notify the Civil Engineering Branch, Department of Planning and Permitting (768-8084); and for City projects, notify the responsible City agency.
- 8. For projects abutting State Highways' rights-of-way, the owner or his authorized representative shall notify the State Department of Transportation, Highways Division, Oahu District, Drainage Discharge Unit at 831-6793 for an assessment of State Highways permit requirements.

TRAFFIC NOTES (WITHIN CITY RIGHT-OF-WAY):

- 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 to the "Hawaii Administration Rules Governing the Use of Traffic Control Devices at Work Site 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 Streets and Highways, Part VI Traffic Controls for Street and Highway Construction and Maintenance Operations."

⚠ Approved:

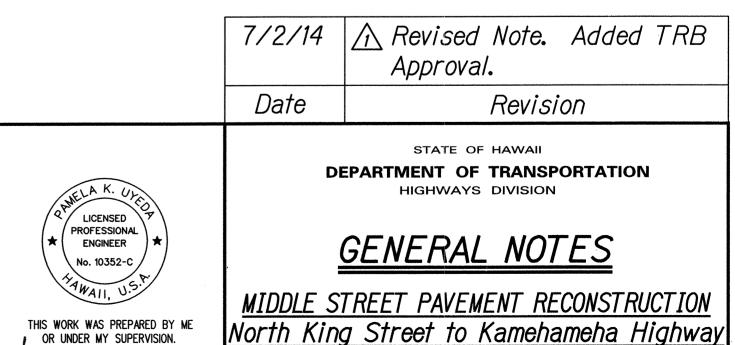
Chief, Traffic Review Branch, DPP (for Work within City R/W only)

Date

wekly

- FED. ROAD DIST. NO. STATE FEDERAL AID PROJ. NO. FISCAL YEAR NO. SHEETS

 HAWAII HAW. STP-7415(001) 2014 ADD. 5 173
- 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, 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. The 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 Civil Engineering Branch, Department of Planning and Permitting, at 768-8084 to arrange for inspectional services and submit four (4) sets of approved Construction Plans seven (7) days prior to commencement of 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. Department of Transportation, Highways Division, 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.



North King Street to Kamehameha Highway

FAP NO. STP-7415(001)

Scale: None Date: June 20, 2014

SHEET No. N-4 OF 14 SHEETS

ADD. 5

