

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ADDENDUM NO. 1

for

**NIMITZ HIGHWAY AND ALA MOANA BOULEVARD RESURFACING,
SAND ISLAND ACCESS ROAD TO VICINITY OF PIIKOI STREET**

FEDERAL AID PROJECT NO. NH-092-1(030)

The following amendments shall be made to the Bid Documents:

A. PROPOSAL SCHEDULE

1. Replace Proposal Schedule page P-8 to P-13 dated 1/25/2021 with the attached revised Proposal Schedule page P-8 to P-13 dated 2/16/2021.

B. PLANS

1. Replace Plan Sheets No. 18, 22, 33, and 34 with the attached revised Plan Sheets No. ADD. 18, ADD. 22, ADD. 33, and ADD. 34.

The following is provided for information.

C. PRE-BID MEETING MINUTES

1. Attached are the February 2, 2021 Pre-bid Meeting Minutes and Attendance Sheet for your information.

D. ANSWERS TO QUESTIONS FROM PROSPECTIVE BIDDER

1. Attached are RFI's and responses for your information.

Please acknowledge receipt of this Addendum No. 1 by recording the date of its receipt in the space provided on page P-4 of the Proposal.



JADE T. BUTAY
Director of Transportation

**Addendum No. 1
2/16/2021**

PROPOSAL SCHEDULE

| ITEM NO. | ITEM | APPROX. QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|----------|---|------------------|-----------|------------|----------------------|
| 202.1000 | Removal of Existing Curb Ramp | 2 | EACH | \$ _____ | \$ _____ |
| 209.1000 | Installation, Maintenance, Monitoring, and Removal of BMP | L.S. | L.S. | L.S. | \$ _____ |
| 209.2000 | Additional Water Pollution, Dust, and Erosion Control | F.A. | F.A. | F.A. | \$ <u>150,000.00</u> |
| 209.3000 | Hazardous Materials Mitigation | F.A. | F.A. | F.A. | \$ <u>100,000.00</u> |
| 301.1000 | Hot Mix Asphalt Base Course (with Polymer Modified Asphalt) | 9,970 | Tons | \$ _____ | \$ _____ |
| 401.0100 | HMA Pavement, Mix No. V Leveling | 200 | Tons | \$ _____ | \$ _____ |
| 401.1000 | 2 Inch PMA Pavement | 17,210 | Tons | \$ _____ | \$ _____ |
| 401.2000 | Pavement Smoothness Incentive | Allowance | Allowance | Allowance | \$ <u>77,445.00</u> |
| 414.1000 | Excavation of Weakened Pavement Areas | 4,740 | C.Y. | \$ _____ | \$ _____ |
| 415.1000 | 2 Inch Cold Planing | 151,700 | S.Y. | \$ _____ | \$ _____ |
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| 621.1000 | Restore TCS 228 | L.S. | L.S. | L.S. | \$ _____ |
| 621.2000 | Restore TCS 438 | L.S. | L.S. | L.S. | \$ _____ |
| 623.3060 | Traffic Signal Assembly (One-Way, 12-Inch, 1-3 Section Vertical with Mast-Arm Mounting) with LED Signal Lights | 50 | Each | \$ _____ | \$ _____ |
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| 626.2000 | Adjusting Sewer Manhole Frame and Cover | 81 | Each | \$ _____ | \$ _____ |
| 627.1000 | Endangered Species Survey | F.A. | F.A. | F.A. | \$ <u>5,000.00</u> |
| 629.1010 | Double 4-Inch Pavement Striping (Thermoplastic Extrusion) | 6,292 | LF | \$ _____ | \$ _____ |
| 629.1011 | 4-Inch Pavement Striping (Thermoplastic Extrusion) | 3,845 | LF | \$ _____ | \$ _____ |
| 629.1012 | 4-Inch Pavement Striping – Guide Line (Thermoplastic Extrusion) | 9,724 | LF | \$ _____ | \$ _____ |
| 629.1013 | 6-Inch Pavement Striping (Thermoplastic Extrusion) | 46,176 | LF | \$ _____ | \$ _____ |
| 629.1014 | 6-Inch Pavement Striping – Guide Line (Thermoplastic Extrusion) | 3,938 | LF | \$ _____ | \$ _____ |
| 629.1015 | 8-Inch Pavement Striping (Thermoplastic Extrusion) | 17,207 | LF | \$ _____ | \$ _____ |
| 629.1016 | 8-Inch Pavement Striping – Guide Line (Thermoplastic Extrusion) | 429 | LF | \$ _____ | \$ _____ |
| 629.1017 | 8-Inch Pavement Striping – Lane Drop (Thermoplastic Extrusion) | 550 | LF | \$ _____ | \$ _____ |
| 629.1018 | 12-Inch Pavement Striping – Diagonal (Thermoplastic Extrusion) | 2,415 | LF | \$ _____ | \$ _____ |

PROPOSAL SCHEDULE

| ITEM NO. | ITEM | APPROX. QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|----------|---|---------------------|------|---------------|----------|
| 629.2010 | 12-Inch Stop Bar (Thermoplastic Extrusion) | 2,383 | LF | \$ _____ | \$ _____ |
| 629.2012 | 4-Inch Lane Striping (10-Foot Profiled Thermoplastic Extrusion) | 54,819 | LF | \$ _____ | \$ _____ |
| 629.3010 | Crosswalk Marking (10 Feet) (Thermoplastic Extrusion) | 362 | Lane | \$ _____ | \$ _____ |
| 629.3013 | Pavement Arrow (Thermoplastic Extrusion) | 256 | Each | \$ _____ | \$ _____ |
| 629.3014 | Pavement Word (Thermoplastic Extrusion) | 42 | Each | \$ _____ | \$ _____ |
| 629.3015 | Pavement Symbol – Yield Line (Thermoplastic Extrusion) | 11 | Each | \$ _____ | \$ _____ |
| 629.3016 | Pavement Symbol – Diamond (Thermoplastic Extrusion) | 14 | Each | \$ _____ | \$ _____ |
| 629.3017 | Pavement Symbol – Bike Lane (Thermoplastic Extrusion) | 40 | Each | \$ _____ | \$ _____ |
| 629.4010 | Type “C” Pavement Marker | 2,988 | Each | \$ _____ | \$ _____ |
| 629.4011 | Type “D” Pavement Marker | 148 | Each | \$ _____ | \$ _____ |
| 629.4012 | Type “F” Pavement Marker | 132 | Each | \$ _____ | \$ _____ |
| 629.4013 | Type “H” Pavement Marker | 802 | Each | \$ _____ | \$ _____ |
| 629.4014 | Type “J” Pavement Marker | 873 | Each | \$ _____ | \$ _____ |
| 629.5010 | Tubular Delineator (28-Inch High) | 17 | Each | \$ _____ | \$ _____ |

PROPOSAL SCHEDULE

| ITEM NO. | ITEM | APPROX. QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|----------|---|---------------------|------|---------------|----------------------|
| 631.1010 | Regulatory Sign (10 Square Feet or Less) | 7 | Each | \$ _____ | \$ _____ |
| 631.1020 | Regulatory Sign (10 Square Feet or Less) with Post(s) | 15 | Each | \$ _____ | \$ _____ |
| 631.2010 | Warning Sign (10 Square Feet or Less) | 18 | Each | \$ _____ | \$ _____ |
| 631.2020 | Warning Sign (10 Square Feet or Less) with Post(s) | 18 | Each | \$ _____ | \$ _____ |
| 631.4010 | Removal of Existing Sign | 9 | Each | \$ _____ | \$ _____ |
| 631.4020 | Removal of Existing Sign and Post(s) | 2 | Each | \$ _____ | \$ _____ |
| 631.5010 | Anchor Base for Portable Contra-Flow Sign | 44 | Each | \$ _____ | \$ _____ |
| 634.1000 | Portland Cement Concrete Sidewalk | 20 | SY | \$ _____ | \$ _____ |
| 636.1000 | E-Construction License | F.A. | F.A. | F.A. | \$ <u>150,500.00</u> |
| 638.1000 | Curb, Type 2D | 30 | L.F. | \$ _____ | \$ _____ |
| 643.1000 | Maintenance of Existing Landscape Areas | F.A. | F.A. | F.A. | \$ <u>50,000.00</u> |
| 645.0100 | Traffic Control | L.S. | L.S. | L.S. | \$ _____ |
| 645.0200 | Additional Police Officers, Additional Control Devices, and Advertisement | F.A. | F.A. | F.A. | \$ <u>345,000.00</u> |
| 648.0100 | Field-Posted Drawings | L.S. | L.S. | L.S. | \$ _____ |

PROPOSAL SCHEDULE

| ITEM NO. | ITEM | APPROX. QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|--|---|---------------------|------|---------------|---------------------|
| 694.0100 | Longitudinal Channelizing Curb System | 7 | Unit | \$ _____ | \$ _____ |
| 696.1000 | Maintenance of Trailers | F.A. | F.A. | F.A. | \$ <u>50,000.00</u> |
| 699.1000 | Mobilization (Not to Exceed 6 Percent of the Sum of All Items Excluding the Bid Price of this Item) | L.S. | L.S. | L.S. | \$ _____ |
| Sum of All Items | | | | | \$ _____ |
| NOTE: Bidders must complete all unit prices and amounts. Failure to do so may be grounds for rejection of bid. | | | | | |

February 2, 2021 PRE-BID MEETING MINUTES

Subject: Nimitz Highway and Ala Moana Boulevard Resurfacing,
Sand Island Access Road to Vicinity of Piikoi Street
Island of Oahu
Federal-Aid Project No. NH-092-1(030)

Attendees: See attached list of attendees.

A. The meeting was called to order by Robert Loo (HDOT Project Engineer) at about 10:35 a.m. to brief the prospective bidders for the subject project.

B. Questions:

1. There's a force account item for e-construction software. Is that the name of the software or is it a placeholder?

This is a relatively new requirement, we'll address the specifics of the e-construction requirements later (addendum 1).

2. Would it be possible to get an overview or why you guys are putting out this project?

There's no special reason why we're putting this project out in particular. Generally it's been a while since we've been out there, the pavement condition is getting bad and needs to be resurfaced.

C. Additional Comments:

1. **Attached are RFIs and responses for your information.**

D. OCR wants bidders to be aware of DBE requirements.

E. Meeting was adjourned at about 11:50 am.

HIGHWAYS DIVISION

PRE-BID MEETING ATTENDANCE

SUBJECT: Nimitz Highway and Ala Moana Boulevard Resurfacing, Sand
Island Access Road to Vicinity of Piikoi Street
Island of Oahu

FED-AID PROJECT NO.: NH-092-1(030)

DATE, TIME & PLACE: February 2, 2021; 10:30 A.M.
Pre-offer conference held virtually

Microsoft Teams

| NAME | OFFICE | TELEPHONE |
|-------------------|---------------------------|--------------|
| Malia Kaanoi | HWY-DD | 808 692-7571 |
| Robert Loo | HWY-DD | 808 692-8438 |
| Li Nah Okita | HWY-DD | 808 692-7581 |
| Jennifer Russell | HWY-DD | 808 692-8440 |
| Peter Chan | HWY-T | 808 692-7680 |
| Julienne Fronda | HWY-T | 808 692-8476 |
| Kristi Grilho | HWY-L | 808 832-3405 |
| Jonathan Lott | HWY-P | 808 587-6335 |
| Marvin Luckfield | HWY-O | 808 831-6802 |
| Jennifer Yoza | HWY-O | 808 831-6810 |
| Daniel Williams | OCR | 808 831-7914 |
| Jason Ames | Grace Pacific, LLC | 808-748-3881 |
| Cole Millare | Grace Pacific, LLC | 808-285-6822 |
| Kevin Yamabayashi | Maui Kupono Builders, LLC | 808-292-6781 |

| | | |
|--------------|---------------------------|--------------|
| Terence Chun | Road Builders Corporation | 808-833-5400 |
| n/a | n/a | 808-321-7304 |
| n/a | n/a | 808-292-6781 |
| n/a | n/a | 808-478-3917 |
| Sandy Fujii | M. Sakuma Electric, Inc. | 808-847-7173 |
| Jon Young | n/a | n/a |

**STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION**

**Project: NIMITZ HIGHWAY AND ALA MOANA BOULEVARD RESURFACING,
SAND ISLAND ACCESS ROAD TO VICINITY OF PIIKOI STREET
FEDERAL AID PROJECT NO. NH-092-1(030)**

Prospective bidders had emailed RFI's. Questions and responses are as follows:

1. Spec Section 107 III. Please clarify if the list of equipment shown in Table 107.03-1 can be used after 10pm and only the equipment listed in item (1) cannot be used after 10pm

Response:

The equipment listed in item (1) refer to some of the items in Table 107.03-1. As such, the following items of Table 107.03-1 that cannot be used after 10:00 pm within 500 feet of residences are:

- Backhoe with Hammer**
- Concrete Saw**
- Jumping Jack**
- 60 to 80 lbs. Pneumatic Pavement Breaker (Jackhammer)**
- Steel Drum Roller w/vibration**

2. Please provide a detail for bid item 626.2000.

Response:

Please refer to the City and County of Honolulu, Department of Environmental Services' Standard Details when adjusting sewer manhole frame and covers within the project. You may obtain ENV's Standard Details from their website; http://www.honolulu.gov/cms-env-menu/site-env-sitearticles/19971-www_wwdesignstandardsdetails.html,

3. Does the State have any cores showing the existing pavement thickness?

Response:

While actual pavement thickness may vary and should be verified in the field, the following are the predicted existing pavement sections based on cores done in 2006:

**Nimitz Highway – Sand Island Access Road to Pacific Street
8" AC+ACB over 21" ASB**

**Nimitz Highway – Richards Street to Punchbowl Street:
12" AC+ACB over coral fill**

Ala Moana Boulevard – Punchbowl to Piikoi Street:

Sta. 152+55 – 12.5” AC+ACB over coral fill
Sta. 156+00 – 13.5” AC+ACB over coral fill
Sta. 161+15 – 7.5” AC+ACB, delamination, 2.5” ACB over 6.5” PCC over coral fill
Sta. 12+50 – 9.5” AC over 5.5” CTB over coral fill
Sta. 18+45 – 5” AC, delamination, 3” ACB over 6” CTB over coral fill
Sta. 26+30 – 8.5” AC+ACB over coral fill
Sta. 30+55 – 10.5” AC+ACB over coral fill
Sta. 34+10 – 6” AC+ACB over coral fill
Sta. 39+68 – 6” AC+ACB over coral fill

Sta. 42+72 – 5.5” AC+ACB, delamination, 0.5” AC, delamination, 7” ACB over coral fill
Sta. 4+80 – 8” AC+ACB, delamination, 1.5” AC over coral fill
Sta. 9+50 – 14” AC+ACB, delamination, 2” AC over coral fill
Sta. 16+30 – 3.5” AC, delamination, 6.5” AC+ACB, delamination, 1” AC over coral fill
Sta. 21+00 – 5.5” AC+ACB, delamination, 3” AC over coral fill
Sta. 25+25 – 11” AC+ACB over coral fill
Sta. 30+50 – 5.5” AC+ACB over coral fill
Sta. 33+65 – 12.5” AC+ACB over coral fill

4. -Is there a budget amount available to the public?

Response:

Not available at this time.

5. -Are there any union/labor requirements?

Response:

There are no specific union or labor requirements that would directly affect bidder eligibility.

6. -Is there a start date set for work to begin?

Response:

The anticipated start date for work to begin is 5/7/2021

7. -Is there a planholders list available that could be emailed to me?

Response:

Not available at this time.

8. On sheet 32 - For the Anchor Base for Portable Contra-Flow Sign - Can you please provide a detail for the CAP on the bottom of the anchor?

Response:

There are commercially available metal square tube caps that could be used for the anchor base. We have no specific design for the cap.

9. On Sheet 33 can you please clarify the size of sign for - Construction Area/Speed Limit 25 Ahead/\$250 Fine Sign Set on Post - Either the size of Speed Limit 25 Ahead sign needs to be reduced to 30"x30" or 36"x36" to use one post, or two posts need to be used. Can this be clarified?

Response:

All the sign(s) shown on Sht. 33 and 34 with total sign areas bigger than 10 s.f. should have two (2) sign support posts per Standard Plan TE-03B. We will revise the two drawings accordingly. Refer to Sheets ADD. 33 and ADD. 34.

10. On Sheet 34 can you please clarify the size of sign for - Construction Area/Speed Limit 25 Ahead/\$250 Fine Sign Set on Post - Either the size of Speed Limit 25 Ahead sign needs to be reduced to 30"x30" or 36"x36" to use one post, or two posts need to be used. Can this be clarified?

Response:

See response to question 9.

11. Are Road Work Ahead and/or End Road Work Signs on Posts required on side streets along the project? If so can you please provide quantity and locations?

Response:

As for "ROAD WORK AHEAD" and "END ROAD WORK" signs shown on Sht. 33 & 34, they are to be installed on the State roadway (not side streets) on each approach to the project or to each work area.

Since this project has two main work areas (e.g., Sec. 645 special provisions identified Area #1 as Sand Island to Pacific St, Area #2 as Richards to Piikoi), a total of 4 work area approaches would need to be signed. Actual number of signs would depend on the type of roadway (e.g., divided, undivided).

12. Spec Section 415.03(B) lines 66-68 states "The Engineer will use a profile obtained using the Contractor supplied Profilograph to determine the profile index". How does relate to the index shown in spec section 401? Will the required smoothness for section 401 be based on the profilograph done 30 days prior to cold planing?

Response:

Smoothness requirements in Section 401 is based on smoothness testing of the finished pavement surface only.

13. Spec Section page 401-27a Required Pavement Smoothness indicates different MRI depending on the number of lifts, i.e. Type A, Type B, Type C. Since this project includes a large number of spot reconstruction areas which will have two lifts and the rest of the areas will have one lifts, will the profilographs be evaluated separately even though there is a minimum 0.1 mi criteria?

Response:

The smoothness would be evaluated separately based on the criteria. Per Section 401.03.M.a3 (page 401-26a), if an area is less than 250 feet long, a straight edge may be used to check smoothness.

14. Proposal Page P-5 and P-6 contains categories to list Subcontractors, Joint Contractor, Supplier, and Manufacturer. There is no category to list DBE service providers such as Trucking. Will the State consider including a separate section for this?

Response:

The state will not be including a separate section for this. When listing subcontractors and other providers, the nature or scope of work must be both distinct and separate, especially with similar or same scopes.

15. DBE Requirements Section V(B) requires, manufacturers, suppliers, and any second tier subcontractor to be listed in the proposal. Does this also pertain to DBE companies that are not subcontractors, manufacturers or suppliers?

Response:

Yes, this pertains to DBE companies that are not subcontractors, manufacturers or suppliers.

16. DBE Requirements Section VI (G) lists factors used in counting DBE Participation for trucking companies. Since a contractor's license is not required to perform trucking services, all trucking rates are the same for all trucking companies, and Section VIII (3) directs the contractor to break up portions of work to "increase the likelihood that a DBE will be able to participate", how and where should the contractor list Trucking companies for the same service? No DBE trucking company has enough trucks to supply this project, therefore, multiple trucking companies will have to be used.

Response:

When listing subcontractors and other non-licensed specialties or service providers, the nature or scope of work must be both distinct and separate, especially with similar or same scopes. Trucking companies can be listed on P-6.

17. Please confirm that no work is required within the "resurfacing exception" areas.

Response:

No work is required within the "Resurfacing Exception Area(s)" as indicated on the plans.

18. Please confirm that no work is required at any of the traffic islands.

Response:

No work is required at any of the traffic islands.

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| 629.1014 | 6-Inch Pavement Striping – Guide Line (Thermoplastic Extrusion) | 3,938 | LF | \$ _____ | \$ _____ |
| 629.1015 | 8-Inch Pavement Striping (Thermoplastic Extrusion) | 17,207 | LF | \$ _____ | \$ _____ |
| 629.1016 | 8-Inch Pavement Striping – Guide Line (Thermoplastic Extrusion) | 429 | LF | \$ _____ | \$ _____ |
| 629.1017 | 8-Inch Pavement Striping – Lane Drop (Thermoplastic Extrusion) | 550 | LF | \$ _____ | \$ _____ |
| 629.1018 | 12-Inch Pavement Striping – Diagonal (Thermoplastic Extrusion) | 2,415 | LF | \$ _____ | \$ _____ |

PROPOSAL SCHEDULE

| ITEM NO. | ITEM | APPROX. QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|----------|---|---------------------|------|---------------|----------|
| 629.2010 | 12-Inch Stop Bar (Thermoplastic Extrusion) | 2,383 | LF | \$ _____ | \$ _____ |
| 629.2012 | 4-Inch Lane Striping (10-Foot Profiled Thermoplastic Extrusion) | 54,819 | LF | \$ _____ | \$ _____ |
| 629.3010 | Crosswalk Marking (10 Feet) (Thermoplastic Extrusion) | 362 | Lane | \$ _____ | \$ _____ |
| 629.3013 | Pavement Arrow (Thermoplastic Extrusion) | 256 | Each | \$ _____ | \$ _____ |
| 629.3014 | Pavement Word (Thermoplastic Extrusion) | 42 | Each | \$ _____ | \$ _____ |
| 629.3015 | Pavement Symbol – Yield Line (Thermoplastic Extrusion) | 11 | Each | \$ _____ | \$ _____ |
| 629.3016 | Pavement Symbol – Diamond (Thermoplastic Extrusion) | 14 | Each | \$ _____ | \$ _____ |
| 629.3017 | Pavement Symbol – Bike Lane (Thermoplastic Extrusion) | 40 | Each | \$ _____ | \$ _____ |
| 629.4010 | Type “C” Pavement Marker | 2,988 | Each | \$ _____ | \$ _____ |
| 629.4011 | Type “D” Pavement Marker | 148 | Each | \$ _____ | \$ _____ |
| 629.4012 | Type “F” Pavement Marker | 132 | Each | \$ _____ | \$ _____ |
| 629.4013 | Type “H” Pavement Marker | 802 | Each | \$ _____ | \$ _____ |
| 629.4014 | Type “J” Pavement Marker | 873 | Each | \$ _____ | \$ _____ |
| 629.5010 | Tubular Delineator (28-Inch High) | 17 | Each | \$ _____ | \$ _____ |

PROPOSAL SCHEDULE

| ITEM NO. | ITEM | APPROX. QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|----------|---|---------------------|------|---------------|----------------------|
| 631.1010 | Regulatory Sign (10 Square Feet or Less) | 7 | Each | \$ _____ | \$ _____ |
| 631.1020 | Regulatory Sign (10 Square Feet or Less) with Post(s) | 15 | Each | \$ _____ | \$ _____ |
| 631.2010 | Warning Sign (10 Square Feet or Less) | 18 | Each | \$ _____ | \$ _____ |
| 631.2020 | Warning Sign (10 Square Feet or Less) with Post(s) | 18 | Each | \$ _____ | \$ _____ |
| 631.4010 | Removal of Existing Sign | 9 | Each | \$ _____ | \$ _____ |
| 631.4020 | Removal of Existing Sign and Post(s) | 2 | Each | \$ _____ | \$ _____ |
| 631.5010 | Anchor Base for Portable Contra-Flow Sign | 44 | Each | \$ _____ | \$ _____ |
| 634.1000 | Portland Cement Concrete Sidewalk | 20 | SY | \$ _____ | \$ _____ |
| 636.1000 | E-Construction License | F.A. | F.A. | F.A. | \$ <u>150,500.00</u> |
| 638.1000 | Curb, Type 2D | 30 | L.F. | \$ _____ | \$ _____ |
| 643.1000 | Maintenance of Existing Landscape Areas | F.A. | F.A. | F.A. | \$ <u>50,000.00</u> |
| 645.0100 | Traffic Control | L.S. | L.S. | L.S. | \$ _____ |
| 645.0200 | Additional Police Officers, Additional Control Devices, and Advertisement | F.A. | F.A. | F.A. | \$ <u>345,000.00</u> |
| 648.0100 | Field-Posted Drawings | L.S. | L.S. | L.S. | \$ _____ |

PROPOSAL SCHEDULE

| ITEM NO. | ITEM | APPROX. QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|--|---|---------------------|------|---------------|---------------------|
| 694.0100 | Longitudinal Channelizing Curb System | 7 | Unit | \$ _____ | \$ _____ |
| 696.1000 | Maintenance of Trailers | F.A. | F.A. | F.A. | \$ <u>50,000.00</u> |
| 699.1000 | Mobilization (Not to Exceed 6 Percent of the Sum of All Items Excluding the Bid Price of this Item) | L.S. | L.S. | L.S. | \$ _____ |
| Sum of All Items | | | | | \$ _____ |
| NOTE: Bidders must complete all unit prices and amounts. Failure to do so may be grounds for rejection of bid. | | | | | |

February 2, 2021 PRE-BID MEETING MINUTES

Subject: Nimitz Highway and Ala Moana Boulevard Resurfacing,
Sand Island Access Road to Vicinity of Piikoi Street
Island of Oahu
Federal-Aid Project No. NH-092-1(030)

Attendees: See attached list of attendees.

A. The meeting was called to order by Robert Loo (HDOT Project Engineer) at about 10:35 a.m. to brief the prospective bidders for the subject project.

B. Questions:

1. There's a force account item for e-construction software. Is that the name of the software or is it a placeholder?

This is a relatively new requirement, we'll address the specifics of the e-construction requirements later (addendum 1).

2. Would it be possible to get an overview or why you guys are putting out this project?

There's no special reason why we're putting this project out in particular. Generally it's been a while since we've been out there, the pavement condition is getting bad and needs to be resurfaced.

C. Additional Comments:

1. **Attached are RFIs and responses for your information.**

D. OCR wants bidders to be aware of DBE requirements.

E. Meeting was adjourned at about 11:50 am.

HIGHWAYS DIVISION

PRE-BID MEETING ATTENDANCE

SUBJECT: Nimitz Highway and Ala Moana Boulevard Resurfacing, Sand
Island Access Road to Vicinity of Piikoi Street
Island of Oahu

FED-AID PROJECT NO.: NH-092-1(030)

DATE, TIME & PLACE: February 2, 2021; 10:30 A.M.
Pre-offer conference held virtually

Microsoft Teams

| NAME | OFFICE | TELEPHONE |
|-------------------|---------------------------|--------------|
| Malia Kaanoi | HWY-DD | 808 692-7571 |
| Robert Loo | HWY-DD | 808 692-8438 |
| Li Nah Okita | HWY-DD | 808 692-7581 |
| Jennifer Russell | HWY-DD | 808 692-8440 |
| Peter Chan | HWY-T | 808 692-7680 |
| Julienne Fronda | HWY-T | 808 692-8476 |
| Kristi Grilho | HWY-L | 808 832-3405 |
| Jonathan Lott | HWY-P | 808 587-6335 |
| Marvin Luckfield | HWY-O | 808 831-6802 |
| Jennifer Yoza | HWY-O | 808 831-6810 |
| Daniel Williams | OCR | 808 831-7914 |
| Jason Ames | Grace Pacific, LLC | 808-748-3881 |
| Cole Millare | Grace Pacific, LLC | 808-285-6822 |
| Kevin Yamabayashi | Maui Kupono Builders, LLC | 808-292-6781 |

| | | |
|--------------|---------------------------|--------------|
| Terence Chun | Road Builders Corporation | 808-833-5400 |
| n/a | n/a | 808-321-7304 |
| n/a | n/a | 808-292-6781 |
| n/a | n/a | 808-478-3917 |
| Sandy Fujii | M. Sakuma Electric, Inc. | 808-847-7173 |
| Jon Young | n/a | n/a |

**STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION**

**Project: NIMITZ HIGHWAY AND ALA MOANA BOULEVARD RESURFACING,
SAND ISLAND ACCESS ROAD TO VICINITY OF PIKOI STREET
FEDERAL AID PROJECT NO. NH-092-1(030)**

Prospective bidders had emailed RFI's. Questions and responses are as follows:

1. Spec Section 107 III. Please clarify if the list of equipment shown in Table 107.03-1 can be used after 10pm and only the equipment listed in item (1) cannot be used after 10pm

Response:

The equipment listed in item (1) refer to some of the items in Table 107.03-1. As such, the following items of Table 107.03-1 that cannot be used after 10:00 pm within 500 feet of residences are:

- Backhoe with Hammer**
- Concrete Saw**
- Jumping Jack**
- 60 to 80 lbs. Pneumatic Pavement Breaker (Jackhammer)**
- Steel Drum Roller w/vibration**

2. Please provide a detail for bid item 626.2000.

Response:

Please refer to the City and County of Honolulu, Department of Environmental Services' Standard Details when adjusting sewer manhole frame and covers within the project. You may obtain ENV's Standard Details from their website; http://www.honolulu.gov/cms-env-menu/site-env-sitearticles/19971-www_wwdesignstandardsdetails.html,

3. Does the State have any cores showing the existing pavement thickness?

Response:

While actual pavement thickness may vary and should be verified in the field, the following are the predicted existing pavement sections based on cores done in 2006:

**Nimitz Highway – Sand Island Access Road to Pacific Street
8" AC+ACB over 21" ASB**

**Nimitz Highway – Richards Street to Punchbowl Street:
12" AC+ACB over coral fill**

Ala Moana Boulevard – Punchbowl to Piikoi Street:

Sta. 152+55 – 12.5” AC+ACB over coral fill
Sta. 156+00 – 13.5” AC+ACB over coral fill
Sta. 161+15 – 7.5” AC+ACB, delamination, 2.5” ACB over 6.5” PCC over coral fill
Sta. 12+50 – 9.5” AC over 5.5” CTB over coral fill
Sta. 18+45 – 5” AC, delamination, 3” ACB over 6” CTB over coral fill
Sta. 26+30 – 8.5” AC+ACB over coral fill
Sta. 30+55 – 10.5” AC+ACB over coral fill
Sta. 34+10 – 6” AC+ACB over coral fill
Sta. 39+68 – 6” AC+ACB over coral fill

Sta. 42+72 – 5.5” AC+ACB, delamination, 0.5” AC, delamination, 7” ACB over coral fill
Sta. 4+80 – 8” AC+ACB, delamination, 1.5” AC over coral fill
Sta. 9+50 – 14” AC+ACB, delamination, 2” AC over coral fill
Sta. 16+30 – 3.5” AC, delamination, 6.5” AC+ACB, delamination, 1” AC over coral fill
Sta. 21+00 – 5.5” AC+ACB, delamination, 3” AC over coral fill
Sta. 25+25 – 11” AC+ACB over coral fill
Sta. 30+50 – 5.5” AC+ACB over coral fill
Sta. 33+65 – 12.5” AC+ACB over coral fill

4. -Is there a budget amount available to the public?

Response:

Not available at this time.

5. -Are there any union/labor requirements?

Response:

There are no specific union or labor requirements that would directly affect bidder eligibility.

6. -Is there a start date set for work to begin?

Response:

The anticipated start date for work to begin is 5/7/2021

7. -Is there a planholders list available that could be emailed to me?

Response:

Not available at this time.

8. On sheet 32 - For the Anchor Base for Portable Contra-Flow Sign - Can you please provide a detail for the CAP on the bottom of the anchor?

Response:

There are commercially available metal square tube caps that could be used for the anchor base. We have no specific design for the cap.

9. On Sheet 33 can you please clarify the size of sign for - Construction Area/Speed Limit 25 Ahead/\$250 Fine Sign Set on Post - Either the size of Speed Limit 25 Ahead sign needs to be reduced to 30"x30" or 36"x36" to use one post, or two posts need to be used. Can this be clarified?

Response:

All the sign(s) shown on Sht. 33 and 34 with total sign areas bigger than 10 s.f. should have two (2) sign support posts per Standard Plan TE-03B. We will revise the two drawings accordingly. Refer to Sheets ADD. 33 and ADD. 34.

10. On Sheet 34 can you please clarify the size of sign for - Construction Area/Speed Limit 25 Ahead/\$250 Fine Sign Set on Post - Either the size of Speed Limit 25 Ahead sign needs to be reduced to 30"x30" or 36"x36" to use one post, or two posts need to be used. Can this be clarified?

Response:

See response to question 9.

11. Are Road Work Ahead and/or End Road Work Signs on Posts required on side streets along the project? If so can you please provide quantity and locations?

Response:

As for "ROAD WORK AHEAD" and "END ROAD WORK" signs shown on Sht. 33 & 34, they are to be installed on the State roadway (not side streets) on each approach to the project or to each work area.

Since this project has two main work areas (e.g., Sec. 645 special provisions identified Area #1 as Sand Island to Pacific St, Area #2 as Richards to Piikoi), a total of 4 work area approaches would need to be signed. Actual number of signs would depend on the type of roadway (e.g., divided, undivided).

12. Spec Section 415.03(B) lines 66-68 states "The Engineer will use a profile obtained using the Contractor supplied Profilograph to determine the profile index". How does relate to the index shown in spec section 401? Will the required smoothness for section 401 be based on the profilograph done 30 days prior to cold planing?

Response:

Smoothness requirements in Section 401 is based on smoothness testing of the finished pavement surface only.

13. Spec Section page 401-27a Required Pavement Smoothness indicates different MRI depending on the number of lifts, i.e. Type A, Type B, Type C. Since this project includes a large number of spot reconstruction areas which will have two lifts and the rest of the areas will have one lifts, will the profilographs be evaluated separately even though there is a minimum 0.1 mi criteria?

Response:

The smoothness would be evaluated separately based on the criteria. Per Section 401.03.M.a3 (page 401-26a), if an area is less than 250 feet long, a straight edge may be used to check smoothness.

14. Proposal Page P-5 and P-6 contains categories to list Subcontractors, Joint Contractor, Supplier, and Manufacturer. There is no category to list DBE service providers such as Trucking. Will the State consider including a separate section for this?

Response:

The state will not be including a separate section for this. When listing subcontractors and other providers, the nature or scope of work must be both distinct and separate, especially with similar or same scopes.

15. DBE Requirements Section V(B) requires, manufacturers, suppliers, and any second tier subcontractor to be listed in the proposal. Does this also pertain to DBE companies that are not subcontractors, manufacturers or suppliers?

Response:

Yes, this pertains to DBE companies that are not subcontractors, manufacturers or suppliers.

16. DBE Requirements Section VI (G) lists factors used in counting DBE Participation for trucking companies. Since a contractor's license is not required to perform trucking services, all trucking rates are the same for all trucking companies, and Section VIII (3) directs the contractor to break up portions of work to "increase the likelihood that a DBE will be able to participate", how and where should the contractor list Trucking companies for the same service? No DBE trucking company has enough trucks to supply this project, therefore, multiple trucking companies will have to be used.

Response:

When listing subcontractors and other non-licensed specialties or service providers, the nature or scope of work must be both distinct and separate, especially with similar or same scopes. Trucking companies can be listed on P-6.

17. Please confirm that no work is required within the "resurfacing exception" areas.

Response:

No work is required within the "Resurfacing Exception Area(s)" as indicated on the plans.

18. Please confirm that no work is required at any of the traffic islands.

Response:

No work is required at any of the traffic islands.

19. Please clarify the paving limits at the intersection across from Lowe's Home Improvement. Please clarify if the a.c. needs to be repaved between the traffic islands and if the a.c. curbs need to be reconstructed.

Response:

The limits of resurfacing is between the bike path and the pedestrian markings between the three pedestrian islands at the intersection across from Lowe's Home Improvement. Pavement between the traffic islands does not need to be repaved and the a.c. curbs do not need to be replaced. Refer to Sheet ADD. 18 for clarified limits of resurfacing.

20. Please clarify if there is work at the concrete bus pad at the westbound corner of Coral St. and Ala Moana Blvd. Intersection.

Response:

There is no concrete work for bus pads on this project and Sheet 22 incorrectly shows reconstruction hatching over the mentioned bus pad. Refer to Sheet ADD. 22.

21. Please clarify if overlaid gutter is expected to be encountered. Please clarify the intent of work at overlaid gutter.

Response:

While there seems to be a high occurrence of overlaid gutter in the vicinity of the project area, HDOT does not have an accurate information on the extent of overlaid gutter in the project area. Should the Contractor encounter overlaid gutter, they may consult with the Engineer for further instruction. Work at encountered overlaid gutter will determined by the Engineer upon discovery.

22. Note 21 on Plan Sheet 3 "General Notes And Legend" refers to correcting ponding areas/low spots within resurfaced area. Can you please clarify if the Contractor is responsible for fixing existing ponding areas/low spots?

Response:

The Contractor is not responsible for fixing existing drainage/ponding issues for this project.

23. There are median areas that are surrounded by asphalt concrete curb. Is the Contractor responsible for removing and replacing the asphalt concrete and curb in these areas?

Response:

Unless otherwise marked and specified on the roadway plans, medians and their raised curbs/barrier (such as asphalt concrete curb) are not to be removed or replaced.

24. Spec Section 636 "E-Construction" refers to Contractor furnishing an e-construction platform. What type of software is this referring to? Can more info be provided?

Response:

HDOT plans to use FACS for e-construction going forward. HDOT will work with the Contractor to establish the e-construction platform.

25. Item 415.2000 Planing Pavement Profile is a Force Account item. Please confirm that this item refers to Spec Section 415.03 Paragraph B. Is the intent of section 415.03 paragraph B to have the contractor take a topographic survey of the entire project and re-design the roadway? If so, how is the contractor supposed to make changes to the profile of the roadway if no changes are allowed to existing drainage patterns or no changes in existing roadway slopes are allowed. There appears to be very little curb reveal in many of the areas along the project. How can smoothness be provided if it may decrease what little curb reveal is available? Who makes the determination on what changes are allowed?

Response:

It should be pointed out that we require a pavement profile, which may give different results from a topographic survey. In general, the new pavement profile should not change drainage or pavement slopes since the new profile is supposed to take out the roughness. However, if such changes can be justified the Engineer may allow the change if no change is allowed then it will be part of the cold mill pavement profile. Adjustments to the MRI in these areas may be allowed if the waived area substantially impacts the MRI and it can be definitively attributed to the wavier, this should not be used as an excuse for poor workmanship. If poor workmanship is the cause for a high MRI, the area will be left in.

26. Referencing Question 4 above, in our experience many of the existing curbs are actually curb and gutters that have been covered over by overlays, but sometimes newer construction has replaced small sections with curb and gutters that are at current grade. Who makes the determination on what work needs to be redone? Concrete curbs, curb and gutters are technically safety features of roadways, are they considered safety apparatuses? What if they are substandard to begin with?

Response:

Milling depth should be such as to show the curb at its design height above the finished pavement. If the curb or curb and gutter lacks the alignment to provide a smooth pavement profile that meets the contract requirements it should be removed and replaced at additional cost.

27. If existing IRI on the roadway is a lot higher (194+/-) than what is called for in the specifications, it is not reasonable to expect the contractor to achieve the specified IRI's. The IRI targets should be based on improvement. Additionally, as not all manholes are being adjusted, IRI requirement should be waived in sections where manholes are not adjusted as the contractor will not be able to make any changes in the grades to provide a smoother section that will meet that specification.

Response:

Requirements in the current Specifications are for specified IRI's regardless of the existing conditions. Per Section 401.03. S. 3c (page 401-33a), localized roughness requirements may be waived for deficiencies resulting from manholes or other similar appurtenances.

28. Section 415.03 paragraph B essentially is requiring the Contractor to re-design the roadway for the State. However, no existing grades or topographic information has been provided. How is the contractor supposed to quantify what will be required to meet the project specifications without the necessary information to make informed decisions? This should be included in the bid set and designed prior to bid. This entire section does not place reasonable expectations on the Contractor at the time of bid.

Response:

The method to use the pavement profile is left up to the contractor, however, the specification's method was a high-speed inertial profiler or similar method. It seems that the method based on the question will use a leveling method, which is extremely slow. From the contractor's profile, it is supposed to submit a cold mill profile that meets the contract requirements using the approximate cold mill depth. The actual cold-milled depth can vary from the stated cold mill depth. Adjustments to inlets manholes and similar objects may be needed to meet smoothness or drainage requirements or both. Such differences will be addressed as extra work as stated in the subsection. Upon submittal of the contractor's cold milling profile, it should indicate the areas where the extra work is located. It should also indicate if there is a substantial increase decrease in the cold milling volume and request an adjustment. We do not think the requirements are unreasonable.

29. AC pavement reconstruction consist of 2" PMA over 3" Hot Mix Asphalt Base Course as shown on Plan Sheet 10. In regards to pavement smoothness in Spec Section 401.03, are the reconstructed sections considered Type B (Two HMA Lifts) or Type C (One HMA Lift)?

Response:

Reconstructed sections of 2" PMA over 3" Hot Mix Asphalt Base Course are considered 2 lifts, so would be considered as Type B.

30. This project requires a significant amount of trucking services with a high DBE Goal and none of the DBE trucking companies have enough trucks to service this project. In an effort to increase DBE participation, multiple trucking companies will need to be used to perform the same service. Should the contractor use the same description for the Nature of Work since each company will be performing the same service?

Response:

When listing subcontractors and other non-licensed specialties or service providers, the nature or scope of work must be both distinct and separate, especially with similar or same scopes. Refer to the DBE Requirements, VI. Counting DBE Participation Towards Contract Goals for more information.

31. Regarding the sections of Ala Moana Blvd. where the entire roadway will be reconstructed, please clarify which bid item the removal of the 5" thick pavement will be paid for under.

Response:

5" of total pavement removal for the section in question will be paid for by Item 415.100 2 Inch Cold Planing (for the first 2" inches of depth) and Item 414.1000 Excavation of Weakened Pavement Areas (for the remaining 3" of excavation).