

## GENERAL NOTES

| FED. ROAD DIST. NO. | STATE | PROJ. NO.    | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HWY-0-05-05M | 2010        | ADD.3     | 18           |

1. The scope of work for this project includes cold planing, resurfacing, reconstructing existing pavement, removing asphalt concrete from existing gutters, replacing bridge joints, planting shrubs and trees, installing erosion control mat and installing signs and pavement markings.
2. The Contractor is reminded of the requirements of Subsection 108.01 - Subletting of Contract, 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.
3. The Contractor's attention is directed to the following Sections of the Special Provisions: Subsection 105.09 - Coordination Between the Contractors; Subsection 107.13 Public Convenience and Safety; Subsection 107.21 - Contractor's Responsibility for Utility Property and Services; 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. Roads Supervision Office, 811 Middle St. Hon HI, 96819 (phone \* 848-4571), two (2) weeks prior to construction, informing them of location, scope of work, and closure of Name of Highway and/or traffic lanes and dates of closure. The Contractor shall provide and maintain for normal bus operation.
7. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting construction operations.
8. The Contractor shall obtain a Community Noise permit from the State Department of Health, Noise and Radiation Branch, 591 Ala Moana Blvd., Room 136, Honolulu, HI 96813-2498; Telephone No. 586-4700. This shall be considered incidental to the various contract items and will not be paid for separately.
9. 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.
10. Existing drainage system will 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 and will not be paid for separately.
11. Smooth riding connections shall be constructed at all limits of project, including the beginning and end of project, connecting approaches, side streets, walkways and driveways as shown on the plans and/or as directed by the Engineer.

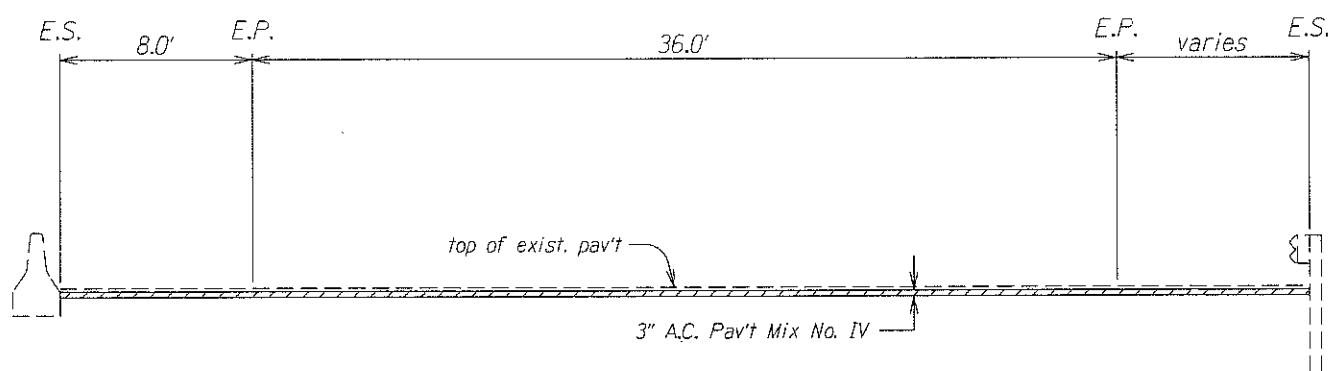
12. The Contractor shall clean and remove any accumulation of aggregates along the roadside within 10 feet of the edge of pavement. This work shall be considered incidental to various contract items and will not be paid for separately.
13. Removal and disposal of existing curb and gutter, curb, sidewalk and asphalt concrete pavement, curb, sidewalk and any debris shall be considered incidental to their respective bid items.
14. All saw cutting work shall be considered incidental to Various Contract Items or their respective bid items.
- △ 15. The top of the Plant Mix Glassphalt Concrete Base Course prior to placement of the new H.M.A. Pavement, Mix No. IV shall comply with the ten-foot straight edge requirement. The variation of the surface from a straight edge with two contacts with the surface, shall not exceed 3/16."
16. The Contractor shall provide and maintain for access to and from all existing driveways, sidewalks and ADA access routes, and side streets and cross streets at all times.
17. The Contractor shall provide and maintain a passable pedestrian-safe and easily accessible route. Accessible routes to comply with ADAAG 4.3.1. The Engineer shall consider the cost for furnishing equipment, tools, labor, materials, and incidentals necessary to complete the work as included in the contract price of various contract items.
- △ 18. The Contractor shall remove and dispose of all existing raised pavement markers, thermoplastic line markings, traffic tapes, and epoxy adhesives. This work shall be considered incidental to H.M.A. Pavement, Mix No. IV and will not be paid for separately.
19. No material and/or equipment shall be stockpiled or otherwise stored within the highway right-of-way except at locations designed in writing and approved by the Engineer. If use of location is approved by the engineer, the Contractor shall obtain a permit to use the property within the highway right-of-way from the Oahu District Office at telephone no. 831-6712.
- △ 20. Prior to placement of erosion control mat, fill erosion rills with soil and tamp into place with a hoptoe bucket.
21. The Contractor shall anchor Erosion Control Mat at the top of the slope. Anchor trench shall be 18 inches deep and 6 inches wide, located 2 feet laterally from the top of slope on flat surface.
22. All work specified in the contract but not listed separately in the proposal schedule shall be considered incidental to various contract items and shall not be paid for separately.
- △ 23. The contractor shall submit Traffic Control Plans to be approved by Engineer at least two weeks prior to construction. The contractor shall be allowed to detour traffic from Moanalua Freeway, as approved by Engineer. One outbound lane shall remain open at all times to allow vehicles to access Moanalua Road.

- △ 24. The contractor shall not cold plane closer than 1/2" from concrete on Aiea Interchange Structure No. 2. The Contractor shall verify existing asphalt concrete thickness on bridge.
- △ 25. The contractor shall remove existing A.C. Pavement from concrete gutters. Work to be paid for under Item No. 202.0400 Removal of Existing A.C. Pavement. Any damage to the existing concrete gutter due to the removal of existing A.C. Pavement will be considered incidental to Item No. 202.0400 Removal of Existing A.C. Pavement.

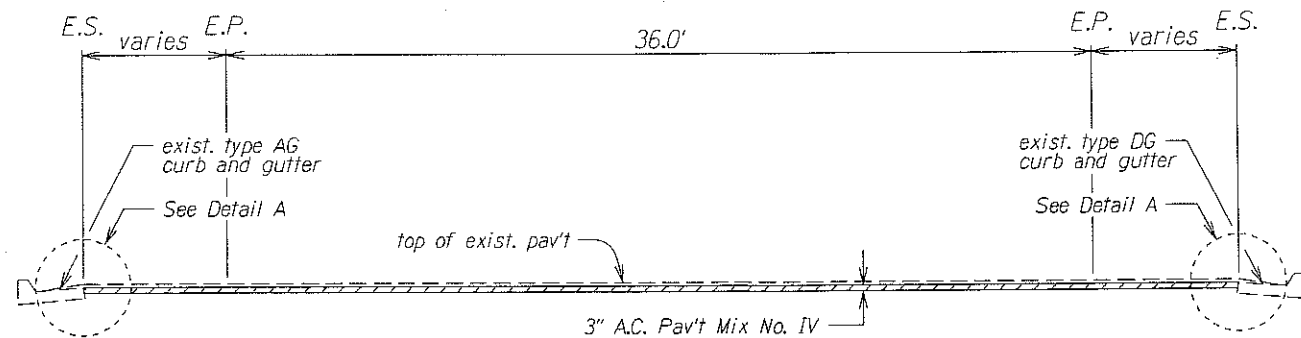
| 6/23/10  | △ Revised General Notes No. 15, 18 and 20. Added Notes 23, 24 and 25. |
|--|---|
| DATE   | REVISION  |
| STATE OF HAWAII<br>DEPARTMENT OF TRANSPORTATION<br>HIGHWAYS DIVISION |   |
| <b>GENERAL NOTES AND LEGEND</b>                                      |   |
| <b>MOANALUA FREEWAY RESURFACING</b>                                  |   |
| Mile Post 0.00 to Mile Post 0.74                                     |   |
| Project No. HWY-0-05-05M   |   |
| Date: April, 2010  |   |
| SHEET No. 1 OF 2 SHEETS  |   |

ADD.3

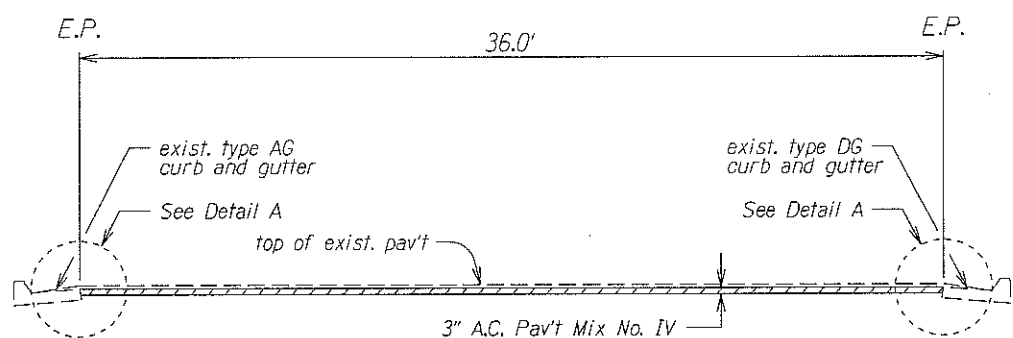
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| HAWAII              | HAW.  | HWY-0-05-05M | 2010        | ADD.7     | 18           |



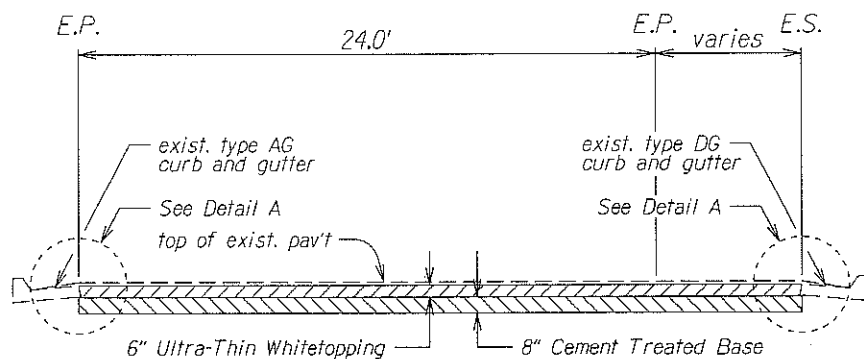
MOANALUA FREEWAY  
Sta. 147+00 to Sta. 141+50



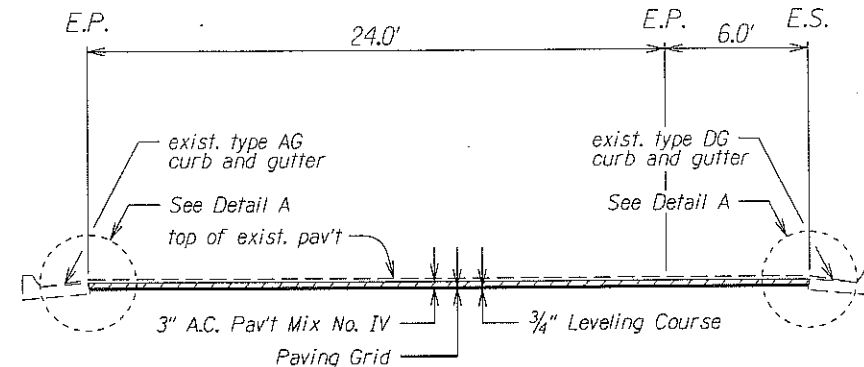
MOANALUA FREEWAY  
Sta. 141+50 to Sta. 139+00



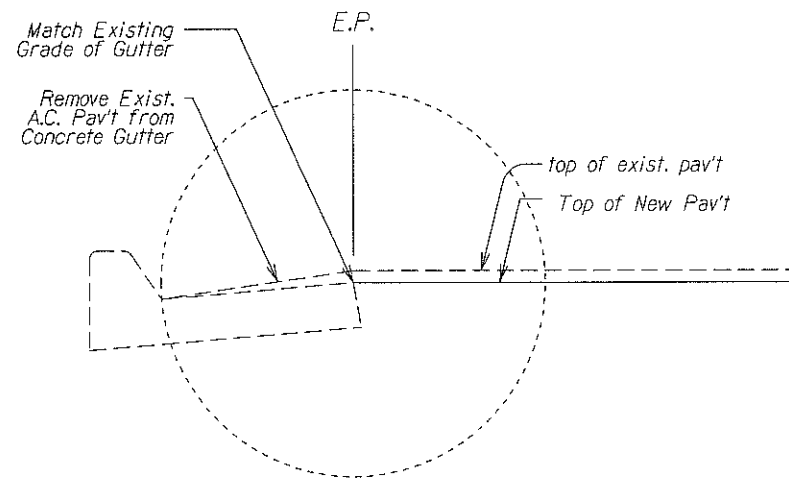
MOANALUA FREEWAY  
Sta. 139+00 to Sta. 137+50



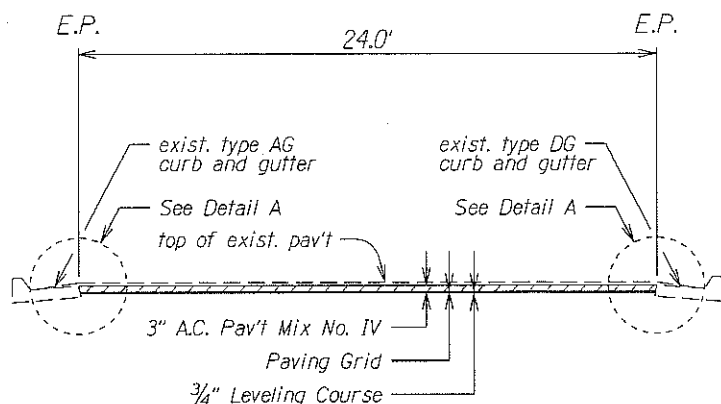
MOANALUA FREEWAY  
Sta. 137+50 to Sta. 125+50



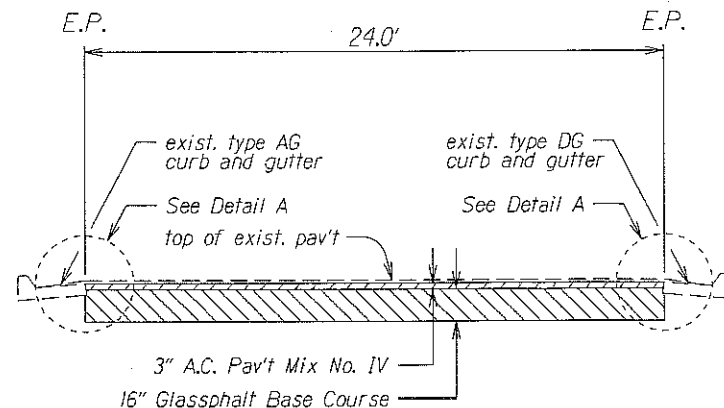
MOANALUA FREEWAY  
Sta. 125+50 to Sta. 120+00



DETAIL A



MOANALUA FREEWAY  
Sta. 120+00 to Sta. 117+50



MOANALUA FREEWAY  
Sta. 117+50 to Sta. 114+75

## TYPICAL SECTION (OUTBOUND)

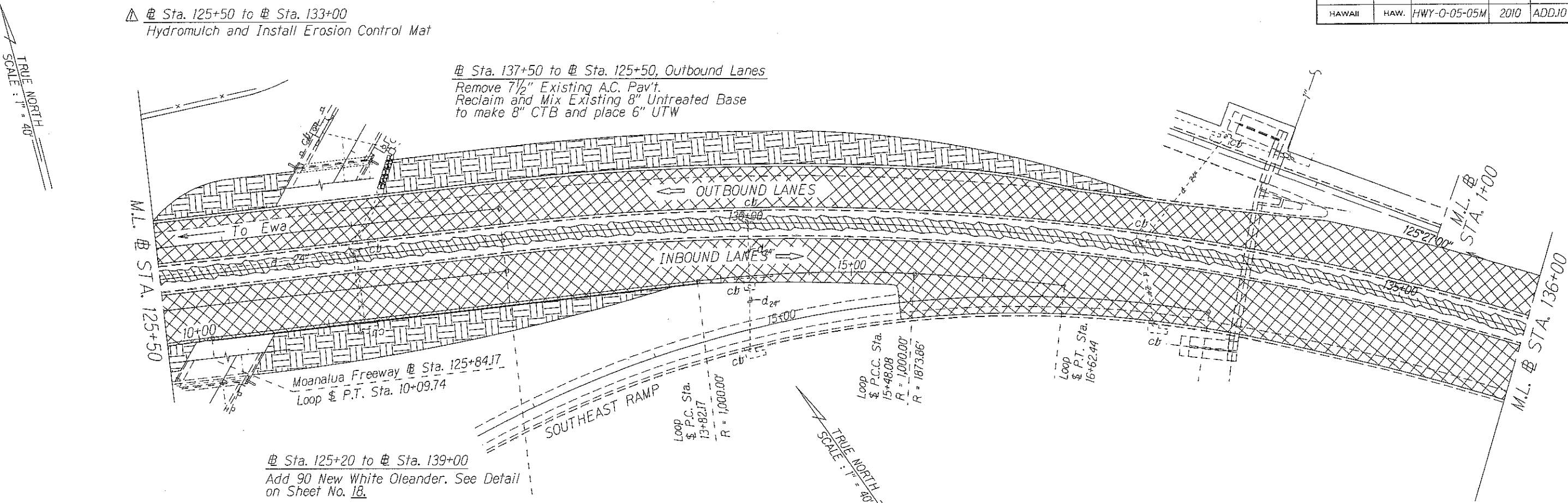
| 6/23/10  | Removed Note on Detail A |
|--|--------------------------|
| DATE   | REVISION                 |
| STATE OF HAWAII<br>DEPARTMENT OF TRANSPORTATION<br>HIGHWAYS DIVISION |                          |
| <b>TYPICAL SECTIONS</b>  |                          |
| MOANALUA FREEWAY RESURFACING   |                          |
| Milepost 0.00 to Milepost 0.74                                       |                          |
| Project No. HWY-0-05-05M   |                          |
| Scale: 1/4" = 1'   | Date: April, 2010        |
| SHEET No. 1 OF 2 SHEETS  |                          |



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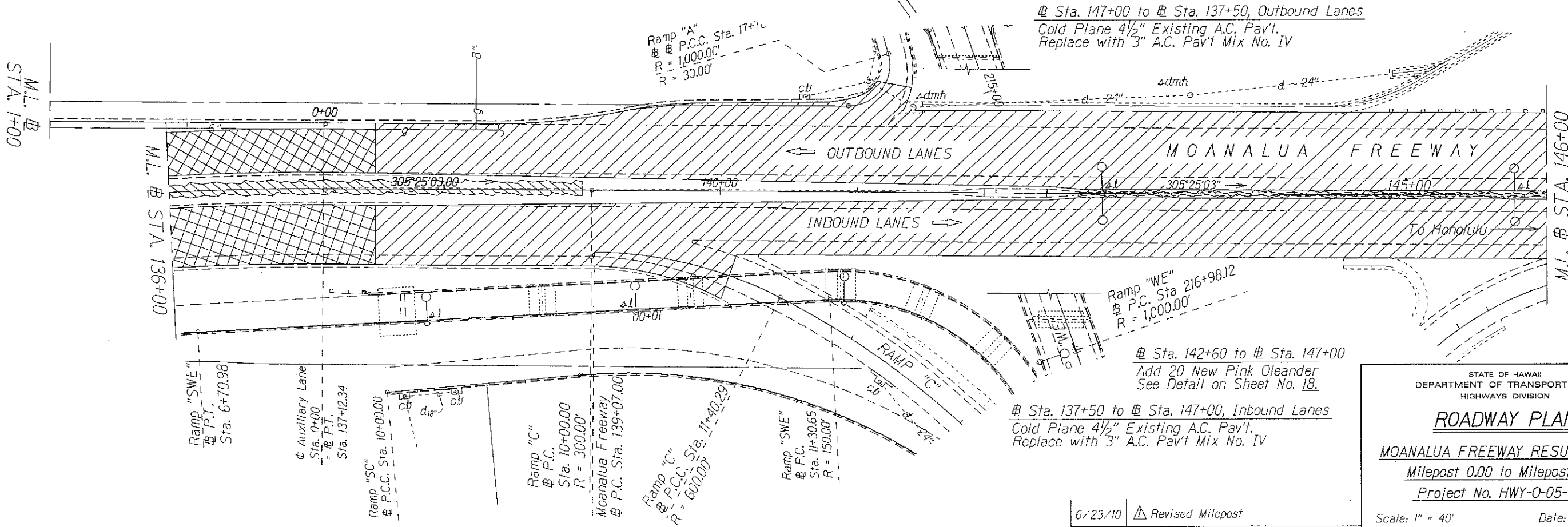
△ Sta. 125+50 to Sta. 133+00  
Hydromulch and Install Erosion Control Mat

Sta. 137+50 to Sta. 125+50, Outbound Lanes  
Remove 7½" Existing A.C. Pav't.  
Reclaim and Mix Existing 8" Untreated Base  
to make 8" CTB and place 6" UTW



Sta. 125+20 to Sta. 139+00  
Add 90 New White Oleander. See Detail on Sheet No. 18.

Sta. 147+00 to Sta. 137+50, Outbound Lanes  
Cold Plane 4½" Existing A.C. Pav't.  
Replace with 3" A.C. Pav't Mix No. IV



Sta. 142+60 to Sta. 147+00  
Add 20 New Pink Oleander  
See Detail on Sheet No. 18.

Sta. 137+50 to Sta. 147+00, Inbound Lanes  
Cold Plane 4½" Existing A.C. Pav't.  
Replace with 3" A.C. Pav't Mix No. IV

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

ROADWAY PLAN

MOANALUA FREEWAY RESURFACING

Milepost 0.00 to Milepost 0.74

Project No. HWY-O-05-05M

Scale: 1" = 40'      Date: April, 2010

SHEET No. 2 OF 3 SHEETS

| 6/23/10 | △ Revised Milepost |
|---------|--------------------|
| DATE    | REVISION           |