

General Notes:

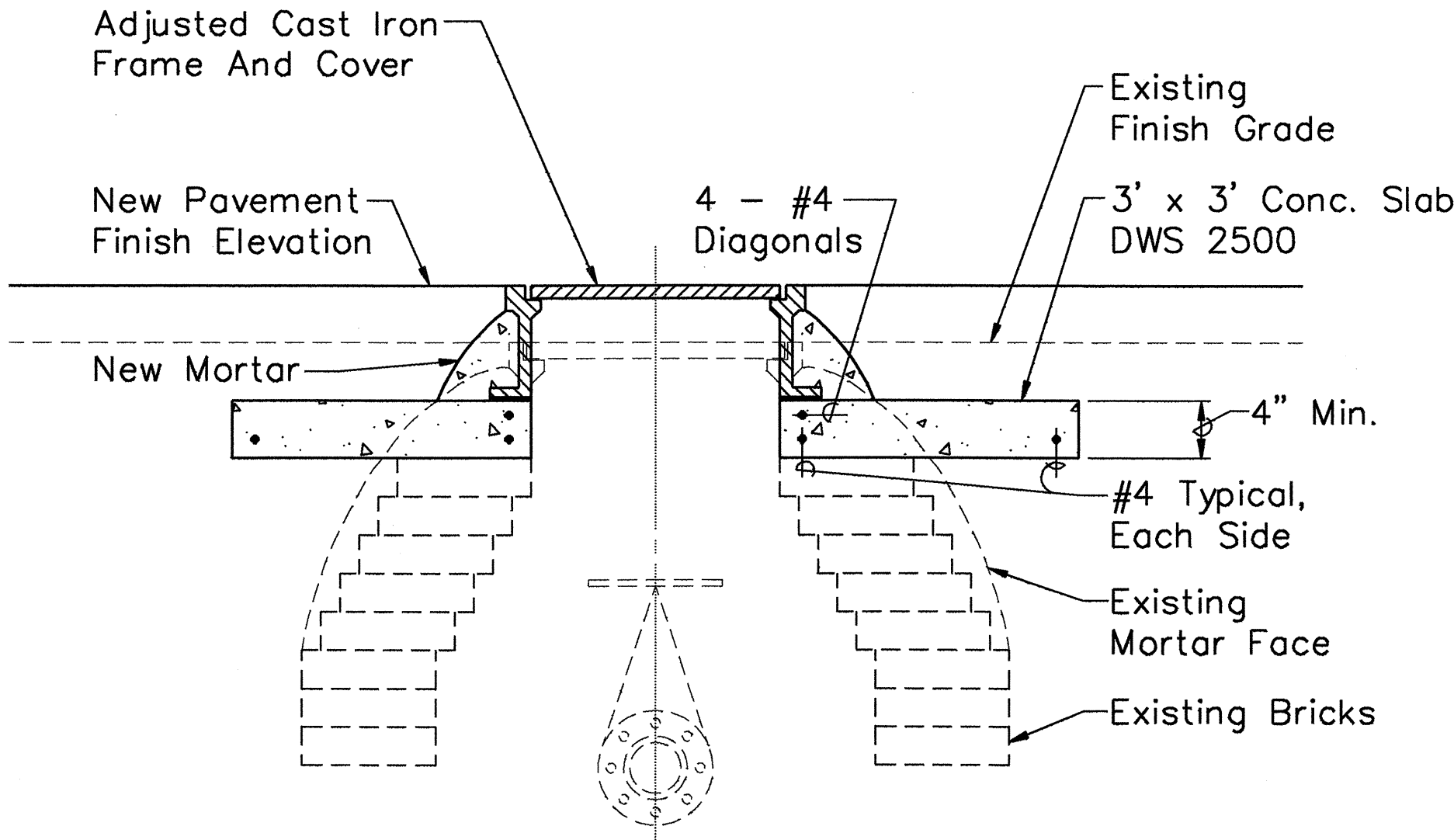
1. This project consists of leveling and resurfacing the existing pavement; reconstructing weakened pavement areas; removing bituminous overlay on bridge deck and repairing bridge deck joints; reconstructing and adjusting reference survey monuments; replacing and installing signs and installing pavement striping, markings and markers; and adjusting water valve box and manhole frames and covers.
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 50 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 of the Special Provisions: Subsection 107.13 – Public Convenience and Safety, Subsection 107.21 – Contractor's Responsibility for Utility Property and Services, 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. Mapping is based on State Strip Maps supplemented by As-Built records and field investigation work. Stations indicated on the plans are referenced to the Strip Maps and may vary in the field. Final locations for the various items of work are to be verified and approved the Engineer.
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 the work is possible. The Contractor shall be responsible to repair any damages incurred to existing facilities and/or improvements as a result of his operations.
7. 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 Item 401.0500, Asphalt Concrete Pavement, Mix No. V.
8. The exact locations and limits or areas to be filled with leveling course, reconstructed and cold planed shall be determined in the field by the Engineer.
9. The Contractor shall notify the State in writing, two (2) weeks prior to starting paving operations.
10. The Contractor shall remove and dispose of all existing raised pavement markers prior to the overlaying of Asphalt Concrete. This work shall be considered incidental to Item No. 401.0400, Asphalt Concrete Pavement, Mix No. IV.
11. Existing Thermoplastic Extrusion Pavement Markings and Preformed Pavement Marking Tape shall be removed prior to resurfacing. Removal shall be by scraping, grinding or other method approved by the Engineer. This work shall be considered incidental to Item No. 401.0400, Asphalt Concrete Pavement, Mix No. IV.
12. Smooth riding connections shall be constructed at all limits of resurfacing including the beginning and end of project, transitions, connecting approaches, side streets, and driveways and at the ends of the daily work areas as shown on the plans and/or as directed by the Engineer.
13. Existing drainage system will be functional at all times during construction. Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to the various contract items.

14. Contractor shall maintain safe access to and from all existing side streets at all times.
15. All saw cutting shall be considered incidental to Item No. 203.0100, Roadway Excavation.
16. Cold planed material shall be utilized on this project to fill in areas adjacent to the paved shoulders as directed by the Engineer. This work shall be considered incidental to Item No. 203.0100, Roadway Excavation, and no separate payment shall be provided.
17. The typical section shown on Sheet No. 4 is generally representative of the project area as a whole. Actual conditions may vary. The Contractor shall be responsible to inspect the project site as needed to better assess the true cost of each contract proposal item prior to bidding.
18. Longitudinal drainage along the highway shall be maintained.
19. Initial preparation of shoulder areas shall be done by the Contractor. Shoulder preparation shall consist of clearing, grubbing, grading, reshaping and compacting the unpaved shoulders with suitable excavated material from roadway reconstruction as shown on the plans and/or as directed by the Engineer. Contractor shall also be responsible for finish rolling and maintaining the shoulders until project completion. This work shall be considered incidental to Item No. 401.0400 – Asphalt Concrete Pavement, Mix No. IV.
20. Unprotected pavement dropoffs greater than 2" shall not be allowed during non-working hours, except where approved by the Engineer in writing.
21. Public Notice is required for lane closures. Contractor shall submit notice to the Engineer for approval a minimum of three weeks prior to publication. Pre-approval of notice, with the dates left blank, is permissible.
22. Contractor shall mark the blocks of all signs using labels and equipment provided by the State. Payment to be incidental to various Contract Items.
23. Contractor shall maintain at least one paved shoulder free and clear of debris for pedestrian and bicycle traffic at all times.

Water Notes:

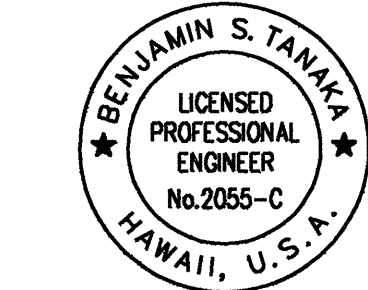
1. Unless otherwise specified, all materials and construction of water system facilities and appurtenances shall be in accordance with the Department of Water Supply's "Water System Standards", Volume 1, dated 1985, and the "Approved Materials List and Standard Details for Water System Construction", Volume 2, dated 1985, and all subsequent amendments and additions.
2. All plans approved by the Department of Water Supply are based solely on the adequacy of the water supply. All other features of the water system, such as lines, grades, fittings, drainage, etc., and other features of improvements shall not be the responsibility of the Department of water supply.
3. The Contractor shall notify Department of Water Supply Engineer at least 72 hours prior to commencing work that may affect the existing water system.
4. Contractor shall be responsible for the protection of all water lines during construction.

5. Re-approval shall be required if this project is not under construction within a period of two years.
6. The contractor shall verify all existing service lateral locations whether shown or not shown on plans prior to commencing with any of the work and shall not assume that where no services are shown none exist.
7. The existence and location of underground utilities and structures as shown on the plans are from the latest available data, but is not guaranteed as to the accuracy or the encountering of other obstacles during the course of the work. The Contractor shall be responsible and shall pay for all damages to existing utilities.
8. Contractor's attention is called to DWS Standard 3, 9, 12, and 22 which require concrete slabs for valve box and manhole frames and covers.



CAST IRON FRAME AND COVER DETAIL
Not To Scale

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTEBOOK	
No.	



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION

Benjamin S. Tanaka

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
GENERAL NOTES & DETAIL

KAWAIHAE ROAD RESURFACING
MP 58.97 TO MP 63.30
PROJECT NO. 19D-01-96M

Date: April 1996

SHEET NO. 1 OF 1 SHEETS