

as shown

3" cl. >

SECTION (A)

TYPE 4GM GUARD RAIL

Scale: 3/4"=1'-0"

1'~0", 1'~6" 1'~0" Restore Sidewalk 4" thick concrete sidewalk reinf. w/6"x6"x #6/#6 wire mesh 5=1/4" per ft. See note below. Cold Plane 3/4" and Resurface with 3/4" Salvage Lava Rock Curb See General Note 12. Open-graded Mix -734" A.C. MIX I - Same as Typical Section at right - see Saw cut Compacted fill-Existing Type4GM Guard Rail 131/2" aggregate base course Compacted fill

> TYPICAL PAVEMENT SECTION AT BARRIER STA. 1 +75 TO STA. 2+90

Scale: 3/4"=1'-0"

Note: Restoration of sidewalk and saw cutting of sidewalk and pavement will not be paid for separately but shall be considered incidental to Item 606.5000 Guard Rail, Type 4GM.

TYPICAL PAVEMENT SECTION AT BARRIER STA. 3 + 39 TO STA. 3 + 85 Scale: 3/4"=1'-0"

Type 4GM

Guard rail

Saw cut-

FED. ROAD DIST. NO.

31~0"

CONSTRUCTION PHASING NOTES

- The Contractor shall submit a written intention to close a lane or any other channelization of traffic ten (10) calendar days prior to the action. The submittal to the Engineer shall contain a brief description of what will be done and time and days of closure.
- 2. The Contractor shall furnish and install informational signs of impending lane closures along the approaches to the affected areas for three (3) working days prior to closure.
- 3. The Contractor shall install State furnished portable concrete guard rails Item No. 606.9040 when constructing Type 4GM Guardrails. The Contractor shall also submit a traffic control plan to the Engineer for approval showing placement of portable concrete barrier and all other pertinent data.
- 4. The Contractor shall keep all lanes open to public traffic and shall not perform any operations within the roadway during the following peak hours:

Morning Peak Hours 6:30 A.M. to 8:30 A.M. Afternoon Peak Hours 3:30 P.M. to 6:30 P.M. The above peak hours may be altered at the discretion of the Engineer.

DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

TYPICAL SECTIONS

NIMITZ HIGHWAY SAFETY IMPROVEMENTS Westbound Lanes at Iwilei F.A. PROJ. No. HES-092-1(19)

Scale: As Noted Date: July, 1984 OF SHEET No.

SHEETS

FISCAL SHEET TOTAL YEAR NO. SHEETS

-3/4"Open-graded Mix

Open-graded Mix -21/2" A.C. Mix X

-Saw cut

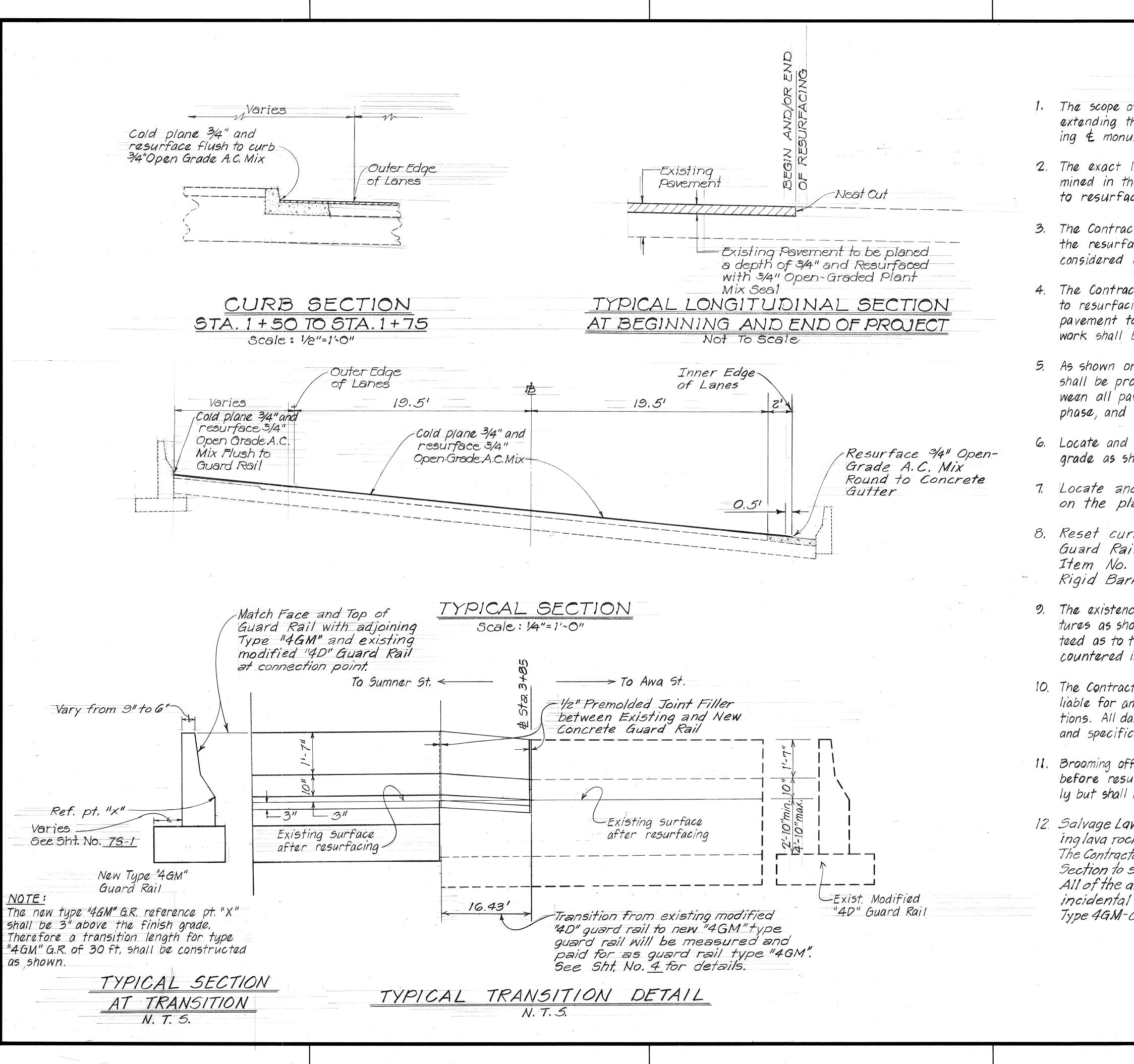
1614" aggregate

base course

Existing grade

FED. AID PROJ. NO.

HAW. HES-092-1(19) 1985 2



FED. ROAD
DIST. NO.STATEFED. AID
PROJ. NO.FISCAL
YEARSHEET
NO.TOTAL
SHEETSHAWAIIHAW.HES-092-1(19)1985322

GENERAL NOTES

- 1. The scope of work for this project consists of resurfacing with open grade A.C. mix, extending the Guard Rail, cold planing, adjusting manhole frames and covers, adjusting the monuments, and installing pavement markings and striping.
- 2. The exact limits for extending guard rails and resurfacing roadway, shall be determined in the field by the Engineer. The new guard rail shall be constructed prior to resurfacing.
- 3. The Contractor shall remove and dispose of all existing raised pavement markers in the resurfacing areas prior to overlaying open grade A.C. mix. This work shall be considered incidental to Item No. 652.1000 Cold Plane Existing Pavement.
- 4. The Contractor shall cold plane 3/4" from the top of the existing A.C. pavement prior to resurfacing with open grade A.C. mix. Cold planing shall occur from edge of pavement to preserve the existing superelevation. This work shall be paid under Item No. 652.1000-Cold Plane Existing Pavement.
- 5. As shown on the plans or as directed by the Engineer, a smooth riding transition shall be provided at the beginning and end of the project, at side streets, between all pavement areas used by the public traffic during each construction phase, and between transitions of the construction phases.
- 6. Locate and adjust existing & street survey. Monuments shall be raised to the grade as shown on the plan sheet.
- 7. Locate and raise manholes if necessary to the grade as shown on the plan sheet.
- 8. Reset curb flush to \$ 5ta. 1+75 end of New Type 4GM Guard Rail. This work shall be considered incidental to Item No. 606.5000 Guard Rail, Type 4GM Concrete Rigid Barrier.
- 9. The existence and location of underground utilities, manholes, monuments, and structures as shown on the plans are based on the latest available data. They are not guaranteed as to the locations shown or as to other obstacles not shown that may be encountered in the course of the work.
- 10. The Contractor shall assume that existing obstacles not shown may exist and will be held liable for any damages incurred to such obstacles encountered as a result of his operations. All damaged portions shall be replaced/repaired in accordance with the standards and specifications of the affected company.
- 11. Brooming off all loose material and excess dust, according to the contract, shall be done before resurfacing with open grade A.C. mix. Brooming off will not be paid for separately but shall be considered incidental to Item 403.0100-Open Graded Plant Mix Seal.
- 12. Salvage Lava Rock Curb. The Contractor shall remove, clean and stock pile the existing lava rock curb at the designated site, shown on Sheet No. 4.

 The Contractor shall contact Mr. Leo Jones at 548-4027 of the Highways Maintenance Section to schedule pick up of the lava rock curbs.

 All of the above work shall be considered

All of the above work shall be considered incidental to Item No. 606. 5000-Guard Rail, Type 4GM-Contcrete Rigid Barrier.

DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

RESURFACING & MISC. TYP. SECTIONS

NIMITZ HIGHWAY

SAFETY IMPROVEMENTS
WESTBOUND LANES AT IWILE!

F. A. PROJECT No. HES-092-1(19)

SCALE: As Noted DATE: July, 1984

SHEET NO. OF SHEETS

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