

# **HART**

HONOLULU AUTHORITY for RAPID TRANSPORTATION

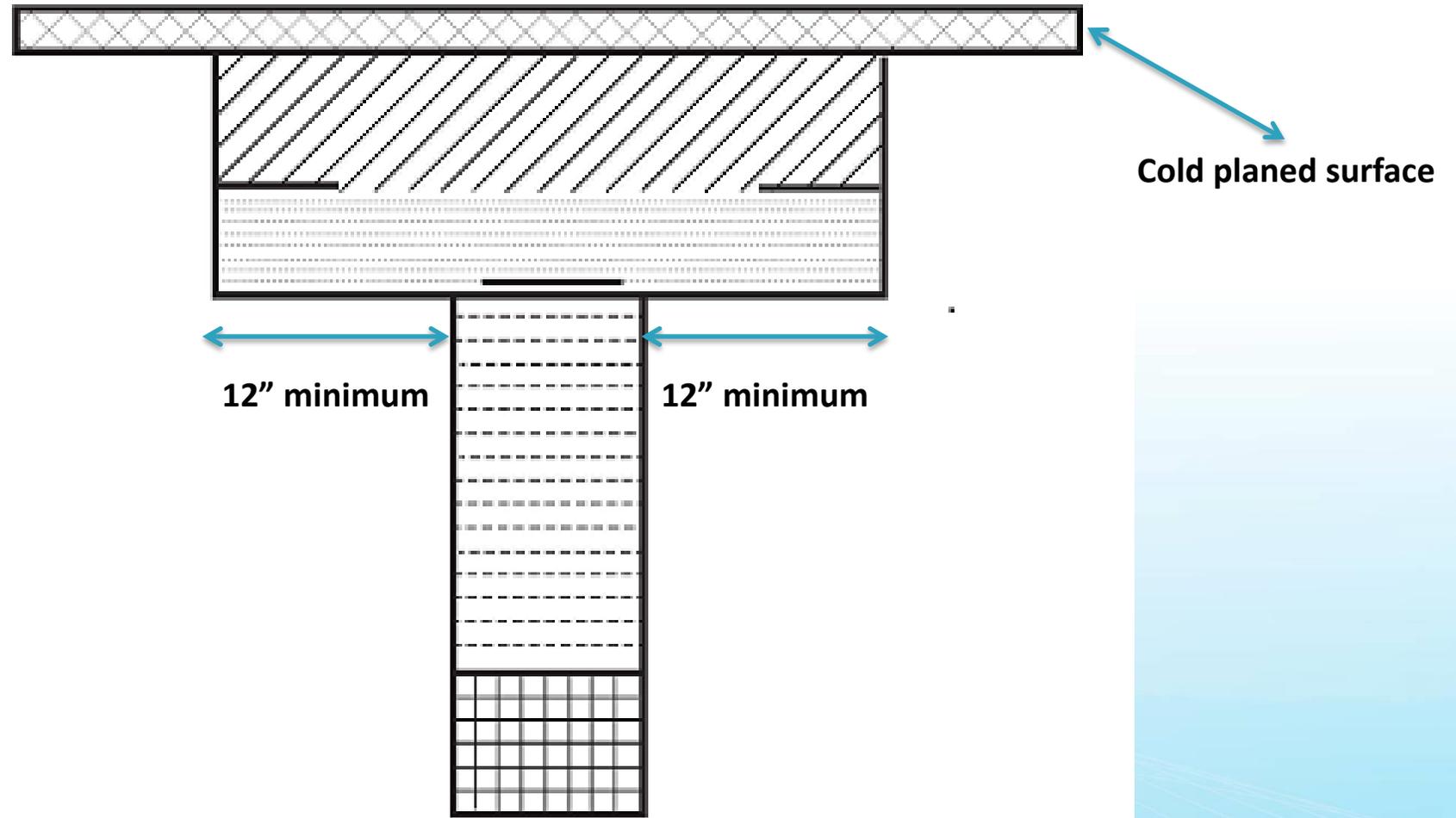
## **Revision to Trench Restoration Detail for the KHG Contract September 29, 2016**

# Summary

- Bilateral contract change order - credit of (\$1,140,000.00).
- Kiewit's estimate of (\$1,108,176)
- Credit is based upon 36,222 SF of trench and existing pavement that did not have to be excavated.

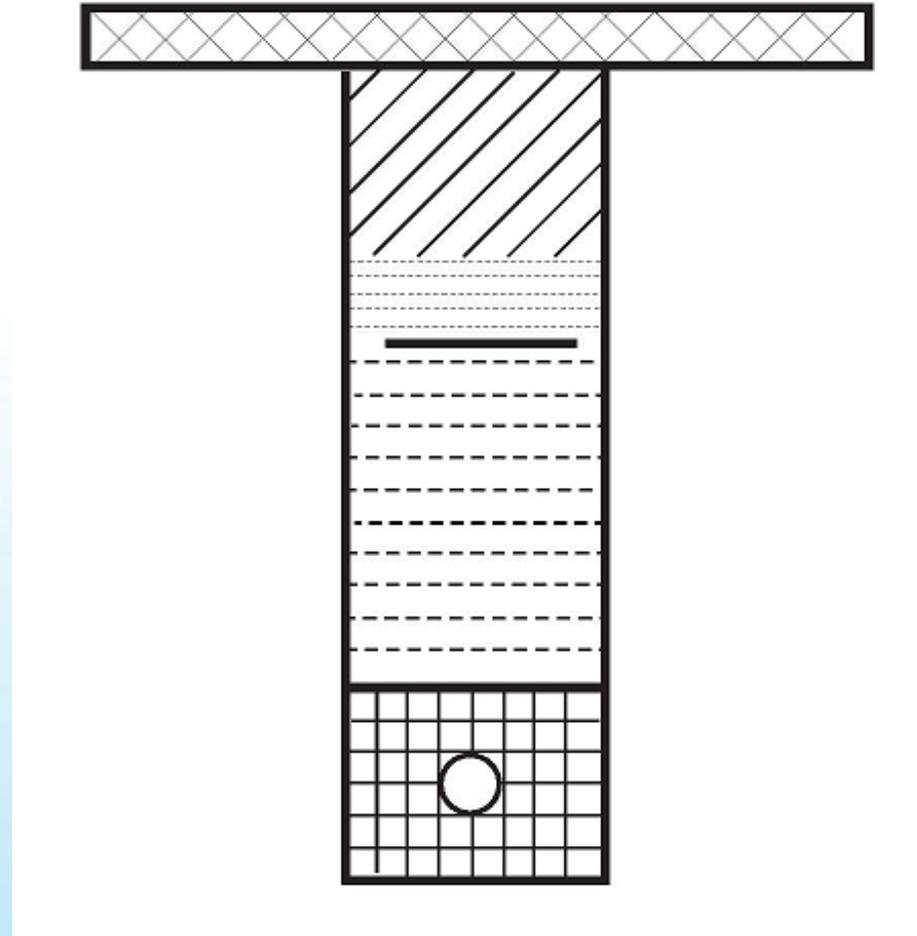
Issue: The contract specified a standard “T-Top” utility trench restoration detail. HDOT granted the request to remove the “T-Top” portion of the utility restoration trench during utility relocation work.

# Contract Required Standard HDOT Trench Restoration



Asphalt pavement restoration over trench excavations

# HDOT Accepted Proposed KHG Trench Restoration



**Modified asphalt pavement restoration over trench excavations**

# HDOT Memorandum Conditioned Acceptance

- “...the required “T-Top” portion of the trench restoration detail can be eliminated. Due to future proposed cold planing and resurfacing, any settlement of trench and adjacent areas should become evident by the time the final re-surfacing work occurs.”
- Should any settlement of the restored trench or other degradation occur – the Contractor would be required to repair said section prior to any cold planing and resurfacing work of the roadway.

# Pending Contract Change Order No. 00036

Contract	Negotiated Change Amount
KHG	\$ (1,140,000)

\$1,140,000 will be returned to Contract Allocated Contingency

# Requirements at Bid (2011)

## Compendium of Design Criteria

- **Section 8.2.1(E):** “The Designer shall comply with local codes and standards of the agencies having jurisdiction.”
- **Section 8.2.1(G):** “All designs involving maintenance, support, relocation, and restoration or other utility work shall conform to the applicable specifications, criteria, and standards of and be approved by the utility owner.”

# *Mahalo!*



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September 29, 2016

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**THROUGH:**   
Michael D. Formby  
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**FROM:** Chris Takashige   
Director of Design and Construction  
Officer-in-Charge

John Moore   
Project Manager

**SUBJECT:** KHG Variation from Trench Restoration Detail  
Contract No. CT-HRT-11H0195

#### Overview

This change is a credit to the Design-Builder in the amount of \$1,140,000.00 for the revision of the trench restoration detail for utility relocation.

The Design-Builder submitted Request for Change No. 32 after State of Hawaii Department of Transportation (HDOT) allowed the elimination of the requirement to construct the "T Top" portion of the trench restoration detail during dry utility relocation work. The "T Top" portion of the trench restoration requires the removal (excavation) and replacement of a 12-inch depth section of base course and subgrade materials for a 1-foot width on either side of the full length of the trench. The removal of this requirement provided cost savings to HART per the deletion of these additional excavations and backfill materials.

#### Justification

On January 21, 2014, HDOT issued a memorandum to HART, in which they accepted KIWC's proposal of eliminating the "T Top" portion of the trench restoration detail. They mention that due to future proposed cold planning and resurfacing, any settlement of trench and adjacent areas should become evident by the time the final resurfacing work occurs. If cracking does occur, then the State reserves the right to require additional repair or have "T Top" installed prior to resurfacing.

On February 6, 2014, HART issued Transmittal No. 00061 to KIWC, which contained the memorandum from HDOT, as well as remarks stating: "Please see the attached letter from HDOT regarding an approved variance from the HDOT standard trench detail within the State ROW. Please note that if KIWC chooses to implement this detail, it will require a modification to the Contract which should be

HART Board of Directors  
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addressed through the KIWC issuance of an RFCC and subsequent HART Change Order”.

**Recommendation**

HART Board of Directors should approve a bilateral contract change order with a **credit** in the amount of \$1,140,000.00 for the revision of the trench restoration detail for utility relocation.

**Fiscal Impact**

This change order will restore a total of \$1,140,000.00 to the KHG Allocated Contract contingency.