

HART

HONOLULU AUTHORITY for RAPID TRANSPORTATION

IMPROVED TRAFFIC SIGNALS AND INTERSECTIONS

H O N O L U L U R A I L T R A N S I T P R O J E C T

www.HONOLULUTRANSIT.ORG

HART

HONOLULU AUTHORITY for RAPID TRANSPORTATION

TRAFFIC IMPROVEMENT BACKGROUND

- Contract scope only addresses signals affected by rail construction
- Latest specification, standards and policies affect wind loading, backplates and signal head placement
- Traffic control devices along the WOFH and KHG construction corridor severely dated
- HDOT and DTS recognize that traffic improvements are needed, and have requested that this work be done concurrent with rail construction
- HDOT will provide funds for this work

EXISTING TYPE II MASTPOLE AT MCGREW (KHG)



EXISTING TYPE II MASTHEAD AT PUPUKAHI (WOFH)



NEW CODE REQUIRED UPGRADES

- ROBUST FOUNDATIONS, POLES, AND MAST ARMS TO MEET NEW WIND LOAD REQUIREMENTS
- SIGNAL HEAD PLACEMENT
- THE FOLLOWING PHOTOGRAPHS DEPICT THE NEW CODE SPECIFICATIONS ARE REQUIRING

NEW TYPE II MASTARM AT ACACIA ROAD (PEARL CITY)



NEW TYPE II MASTARM AT HONOMANU (KHG)



PROPOSED ACTION:

- Issue a unilateral change order to initiate work on the traffic control devices to meet current code requirements eliminating having to perform this work after rail is completed.
- Should the required signalization work be delayed until after rail, it would disrupt the traveling public and trench through newly paved roadways, curbs and sidewalks.
- Complete negotiations with the contractor to establish a fair and reasonable lump sum change order for both WOFH and KHG and bring back to the Board for approval.
- Complete the required Memorandum of Understanding with HDOT to provide funds to pay for the Traffic Signal upgrades meeting current code

HDOT REQUESTED WORK ON WOFH

| Item | Description | ROM/Comments | FY/QTR |
|------|---|--------------|--------------|
| 1 | Traffic Signals | \$10,000,000 | FY15/4th Qtr |
| 2 | Street Light & Cabinet Upgrades (Fronting Waipahu Town Center, Kam Hwy Overpass with Farrington) Street Lights Upgrades to Current ASSHTO Standards Phase 8 | \$2,000,000 | FY15/4th Qtr |
| 3 | 2010 ADA Compliant Curb Ramps as needed | \$200,000 | FY16/3rd Qtr |
| | WOFH Total ROM | \$12,200,000 | |

HDOT REQUESTED WORK ON KHG

| Item | Description | ROM/Comments | FY/QTR |
|------|--|--------------|--------------|
| 1 | Traffic Signals | \$9,000,000 | FY15/4th Qtr |
| 2 | 2010 ADA Compliant Curb Ramps | \$200,000 | FY16/3rd Qtr |
| 3 | Offset Left Turn increase storage length @ Waimano Home Rd | \$350,000 | FY16/2nd Qtr |
| 4 | Change from MSE to Cast-in-Place walls at Walls 2, 3, & 4 | \$1,250,000 | FY16/1st Qtr |
| 5 | Sidewalk width increase from 5' to 6' wide | \$100,000 | FY16/3rd Qtr |
| 6 | GDI and drainline at Anna Miller's driveway (85 LF) | \$150,000 | FY16/1st Qtr |
| 7 | Replace 24" drainline 388+43 to 393+78 with RCP (435 LF) | \$450,000 | FY16/1st Qtr |
| 8 | Install new 18" drainage system near Kihale Street | \$250,000 | FY16/1st Qtr |
| | KHG Total ROM | \$11,750,000 | |

Mahalo!

