MILILANI INTERCHANGE TRAFFIC STUDY

Mililani Mauka Elementary School
95-1111 Makaikai Street
May 22, 2013
MILILANI INTERCHANGE TRAFFIC STUDY

- Introduction
  - Welcome
  - Alvin Takeshita, Highways Administrator
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• Agenda
  ▫ Introduction
  ▫ Background
  ▫ Study Objectives
  ▫ Study Scope
  ▫ Existing Conditions
  ▫ Proposed Alternatives
  ▫ Closing Remarks
  ▫ Questions
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• Background
  ▫ 2009 – HDOT in partnership w/City & County DTS optimized traffic signals in the vicinity of Mililani Interchange. Traffic signals were modified to allow for more green time for morning traffic coming down from Mililani Mauka.
  ▫ 2010 – HDOT conducted a preliminary evaluation. Results were presented at a community meeting held on May 5, 2010.
  ▫ 2011 – Act 164/11 allocated funds to conduct a detailed study.
  ▫ 2012 – HDOT procured a consultant, Community Planning & Engineering to conduct the study.
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- **Study Schedule**
  - November 2012 – Traffic Data Collection
  - May 2013 – First Community Meeting
  - July 2013 – Draft Study Completed
  - July/August 2013 – Second Community Meeting
  - November 2013 – Final Study Completed
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Study Area
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• Study Objectives
  To evaluate the feasibility of alternatives to reduce traffic congestion at the Mililani Interchange through detailed traffic analyses and cost estimates.

• Community Meeting Objective
  To inform the community on the purpose and status of the traffic study and to gather input and feedback from the community.
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- **Study Scope**
  - Collect and Review Traffic Data
  - Conduct Field Investigations
  - Analyze Existing Traffic Conditions
  - Develop Alternatives
  - Develop Estimates of Construction Cost
  - Prepare Study
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• Existing Condition
  ▫ ATA Conducted traffic Counts on November 8, 2012 and November 15, 2012
  ▫ Traffic congestion was observed for the morning rush hour in the westbound direction of Meheula Parkway
  ▫ Traffic generally operated adequately along Meheula Parkway during the afternoon rush hour
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Traffic Volumes

LEGEND
- Signalized Intersection
- Unsignalized Intersection
- AM/PM Peak Hour Traffic Volumes

NOT TO SCALE
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Existing Condition
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• Proposed Study Alternatives
  ▫ Signal Optimization
  ▫ Double Loop On-Ramp
  ▫ Left Turn
  ▫ Consideration and investigation will be performed for any additional alternatives
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- Signal Optimization
  - 2009 - HDOT in partnership w/City & County DTS optimized traffic signals in the vicinity of Mililani Interchange.
  - April 2013 – ATA performed an analysis of the traffic signal timing in the vicinity of the Mililani Interchange.
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Double Loop On-Ramp
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Left Turn
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• Closing Remarks
  ▫ Next Community Meeting
  ▫ Point of Contact for Study
    Reid Tokuhara
    Email: reid.tokuhara@hawaii.gov
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Questions?
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MAHALO!