H-1 (EB) Improvements
Ola Lane to Likelike Highway Off-Ramp
Public Information Meeting
Agenda

• Project Location
• Project Purpose
• Project Improvements
• Temporary Traffic Impacts
• Temporary Pedestrian Bridge
• Project Schedule
• Questions?
Project Location

H1 Eastbound from Ola Lane to Likelike Highway Off-Ramp
Project Purpose

• Improve Safety
• Relieve Congestion

Project Objectives

• Improve safety
• Reduce congestion
• Maximize right-of-way usage
Project Benefits

• Improving Safety
• Saving Time
• Saving Money
Middle Street Merge – East of Ola Lane

Eliminate this merge
H1 Improvements – Saving Time

Existing H-1 Lane Diagram

Proposed H-1 Lane Diagram

Improvements
Typical Section
Incorporate Design Improvements

Existing

& Varies

1' 10' 10' 10' 10' 2'

Proposed

& Varies

4' 11' 11' 11' 11' 11' 2-8'
Widen H1 on the Makai side

- Add inside and outside shoulders, increase lane width to 11’
- Construct retaining walls
- Minimize ROW at Kalihi Union Church
• Widen/build H1 bridge over Richard Lane and Kalihi Valley Stream (approximately 11’-6” wide)
Kalihi Stream – Looking Upstream at H1

- Stream walls are eligible for listing on the Federal and State registers of historic places.
- Project has no adverse effect to the walls.
Widen H1 on the Makai side

- Add inside and outside shoulders, increase lane width to 11’
- Construct retaining walls
- Lengthen Gulick Bridge on the makai and mauka sides
Gulick Ave Overcrossing

- Lengthen existing bridge and move abutments on the WB and EB sides about 15.5’ each
- Maintain center pier location and construct infill wall above existing median barrier
- Build retaining walls on the WB and EB side
- Vertical clearance increased by 6”
- Limited work in the WB direction of H1
Temporary Pedestrian Bridge
Makai Touchdown in Kalihi-Waena Neighborhood Park
H1 Temporary Traffic Impacts

- EB shoulder closure during the project
- Temporary lane closures (non-peak and night time)
  - Typically, between 9 pm and 4 am
- Full closure
  - Temporary pedestrian and bicycle bridge needed to provide 24 hour access
  - H1 WB and EB needs to be closed twice – during the installation of the temporary pedestrian/bicycle bridge and during the removal
  - Typically, between 8 pm Saturday and 8 am Sunday
Gulick Ave – Partial Closure

Potential Staging Area

Gulick Avenue

Temporary Pedestrian/Bicycle Bridge

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Gulick Temporary Traffic Impacts

• Lanes narrowed and shifted to allow a 10-12’ work area
  o Maintaining 24’ for two lanes (one in each direction)
• Lane closures (non-peak and night time)
  o Non-peak is typically between 8:30 am to 3:30 pm
  o Any lane closures to be coordinated with Kalihi Waena Elementary School
• Full closure of Gulick Avenue (3 months)
  o Necessary to post-tension (strengthen) the bridge as it is being lengthen
  o New concrete slab
Gulick Avenue – Full Closure

- Temporary full closures of the Gulick Avenue bridge necessary during construction of the Gulick Bridge
- A traffic assessment was done to look at the anticipated local street traffic detours around Gulick Avenue
- Peak hour traffic impact to nearby intersections was studies
- During the peak the average vehicle delay may increase by up to 1 minute at congested intersections
- Most intersections would not experience noticeable difference in delay
- Impacts would be temporary and would only affect isolated turning movements
Gulick Closure - Study Intersections
Richard Lane Construction Traffic Impacts

- Lane closures (non-peak and night time)
- Flaggers to guide traffic will be required
Project Schedule

• January 2022: Draft Environmental Assessment
  ○ Comments due by January 15, 2022
• March 2022: 90% PS&E
• May 2022: 100% PS&E
• June 2022: Ready to Advertise
• 2022 - 2024: Construction
Mahalo!

Questions?

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