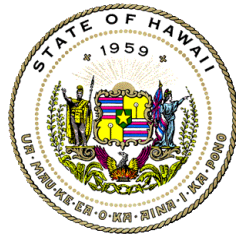


PUAINAKO STREET WIDENING SECOND PUBLIC INFORMATION MEETING

AUGUST 8, 2013

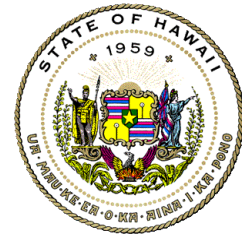
WAIAKEA INTERMEDIATE SCHOOL



Purpose of This Meeting

2

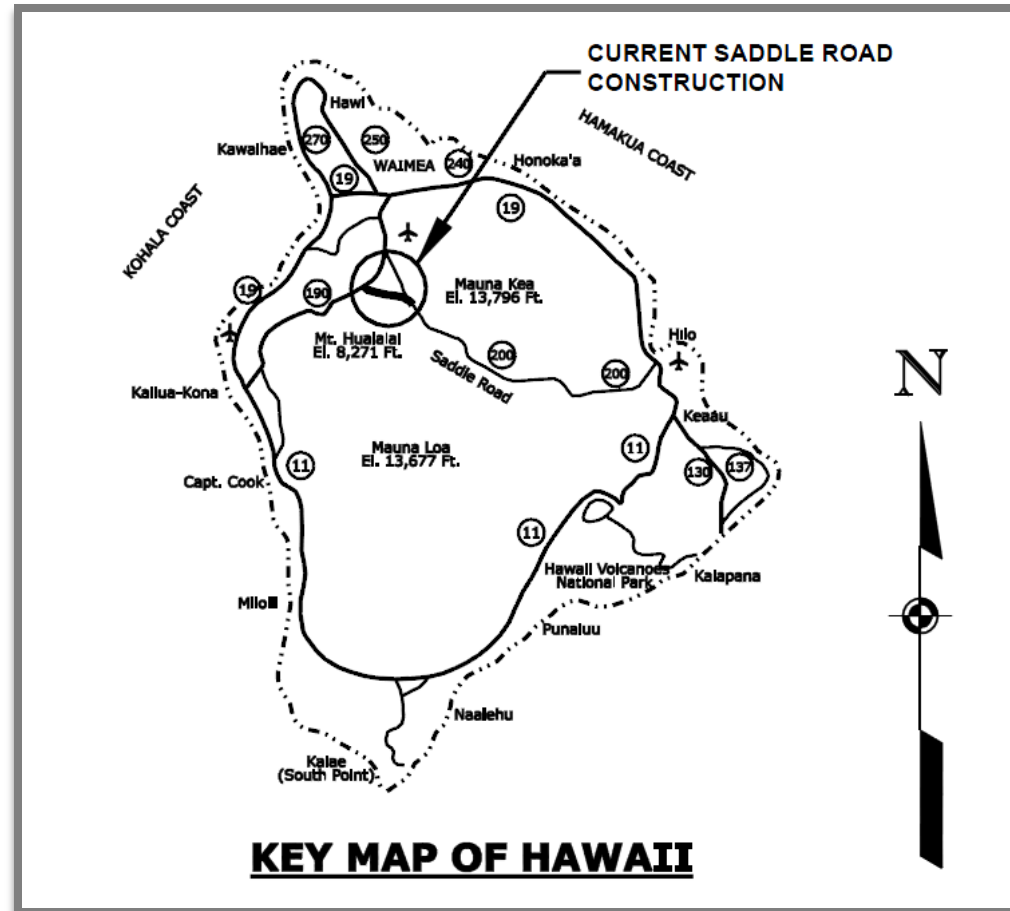
- Update the community on the status of the project and provide an overview of the progress since the first public meeting
- Explain where we are now with the Environmental Impact Statement re-evaluation process and steps moving forward
- Present the revisions made to the typical roadway sections along various portions of the alignment

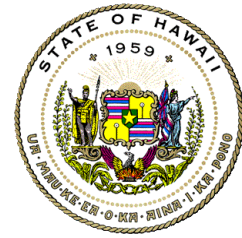


Purpose & Need For The Project

3

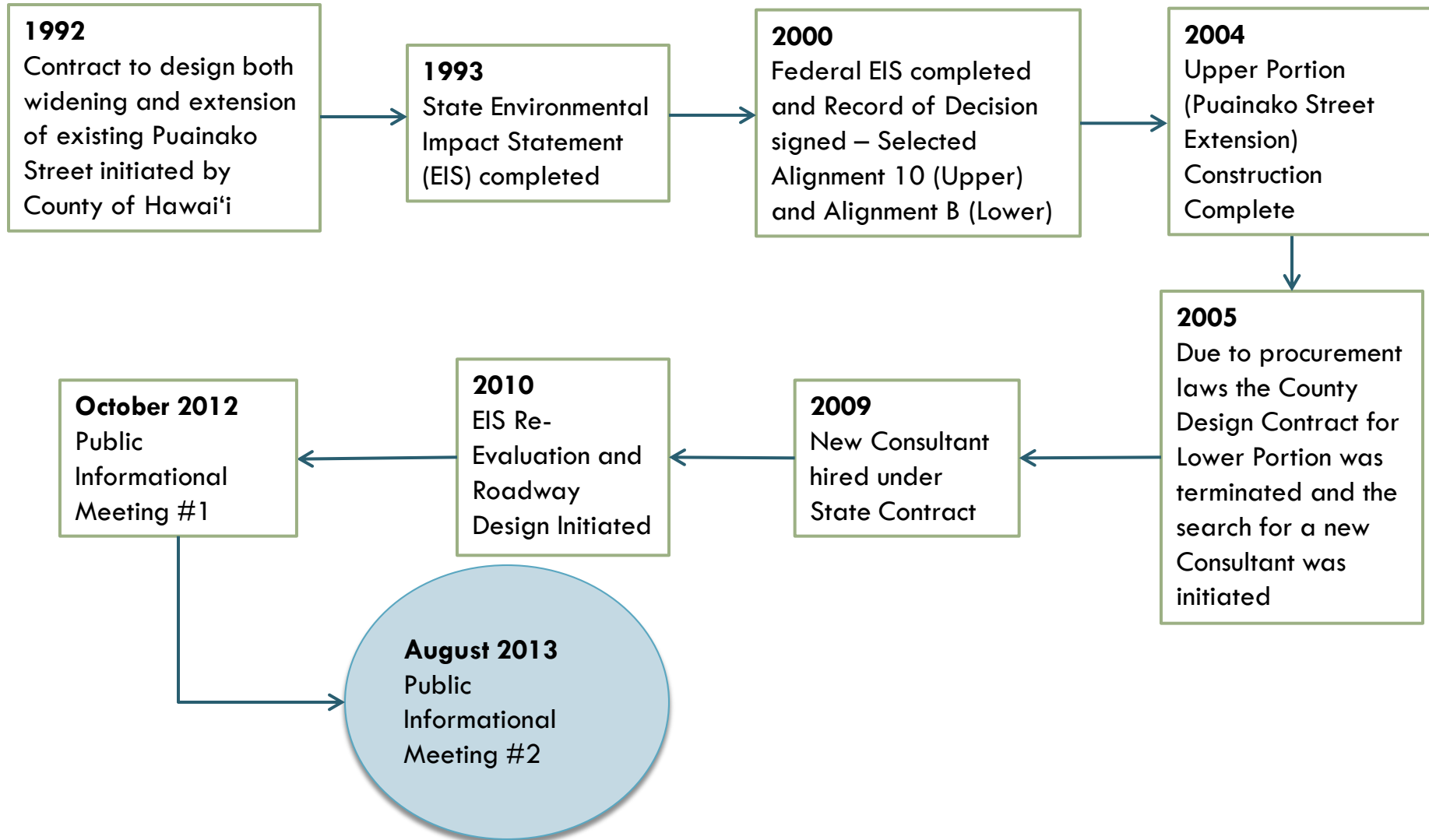
- This area is identified as a corridor deficiency in the 1998 Hawaii Long Range Transportation Plan
- Address congestion
- Improve vehicle and pedestrian safety on existing Puainako Street
- Improve arterial traffic flows by connecting the existing Puainako Street with Saddle Road
- Create a direct route between East and West Hawaii

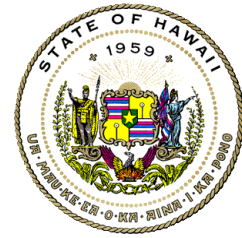




Project History

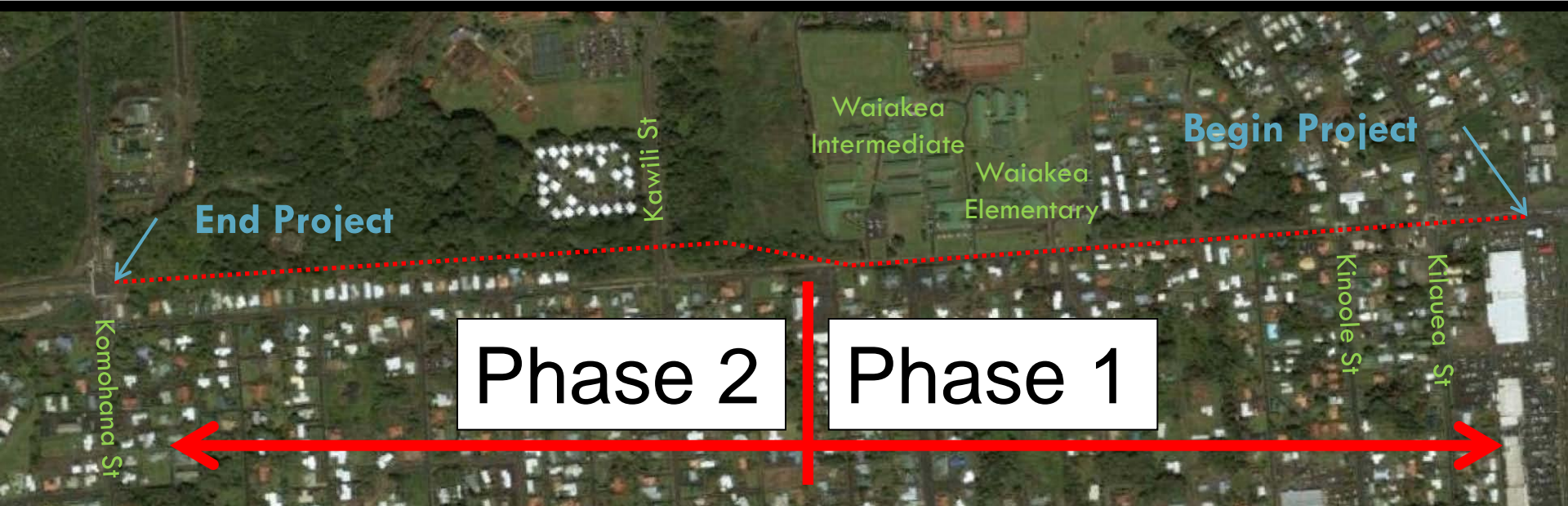
4





Project Location and Limits

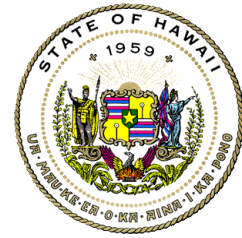
5



Phase 2

Phase 1

Project Length: Approximately 1.5 miles



Existing Concerns

6

Naniakea St. Intersection (Looking North)

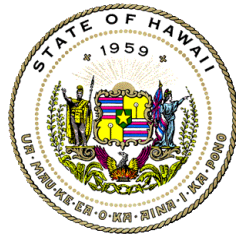


Kinoole St. Intersection (Looking West/Mauka)



- Unsignalized intersections slow traffic flow and create potential conflicts
 - 3 Intersections (North side) to Waiakea Schools
 - More than 20 existing driveway connections
 - 7 side streets (south side) from subdivisions

- Sight distance
 - Intersection sight distance is not optimal at some locations.
 - Roadside obstructions present potential concerns for motorists and pedestrians.

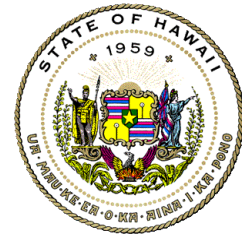


Existing Concerns

7

- Pedestrian access
 - No raised sidewalks (only intermittent asphalt curbing)
 - No bike lanes
 - Many roadside utilities including telephone poles and associated anchors are obstacles for pedestrians
- Traffic
 - Congestion at Kinoole and Kilauea intersections during school drop off/pick up hours
- Increase in thru traffic due to Saddle Road improvements

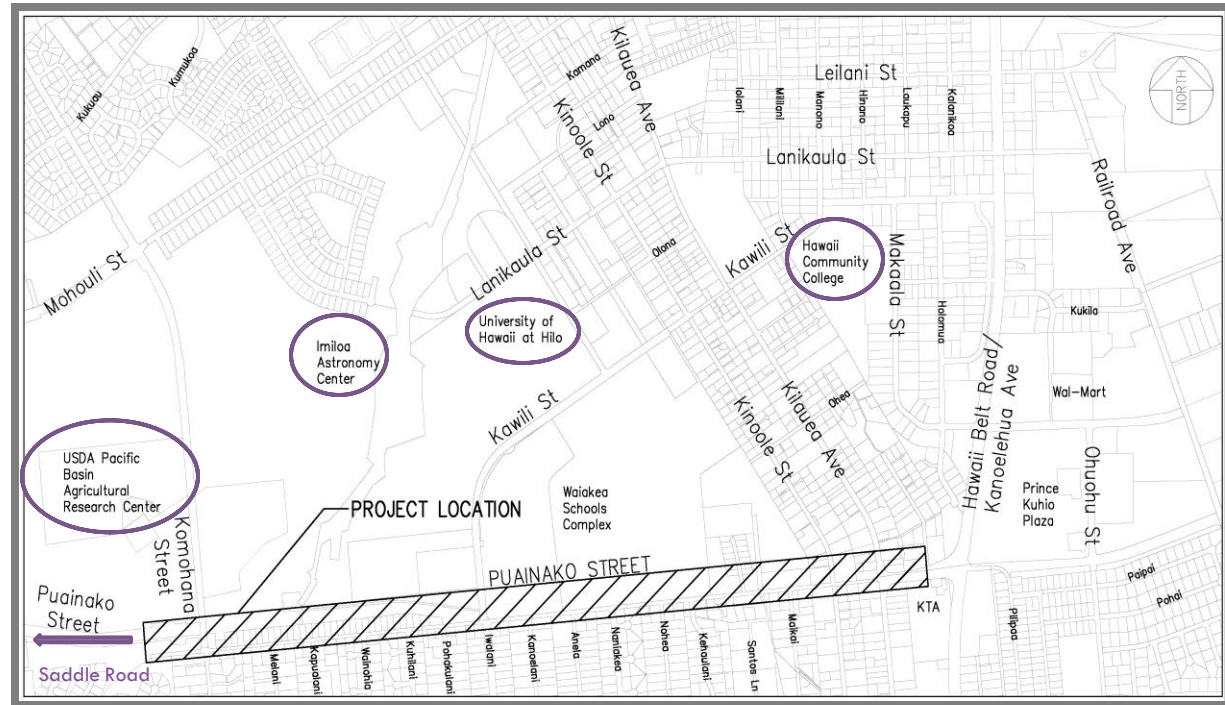


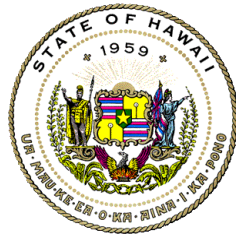


Existing Concerns

8

- Recent and Future Developments near and along Puainako:
 - Imiloa Astronomy Center
 - Expansion of University of Hawai'i- Hilo
 - University Village – Phase 1
 - Pacific Basin Agricultural Research Center
 - New University of Hawaii Community College Campus

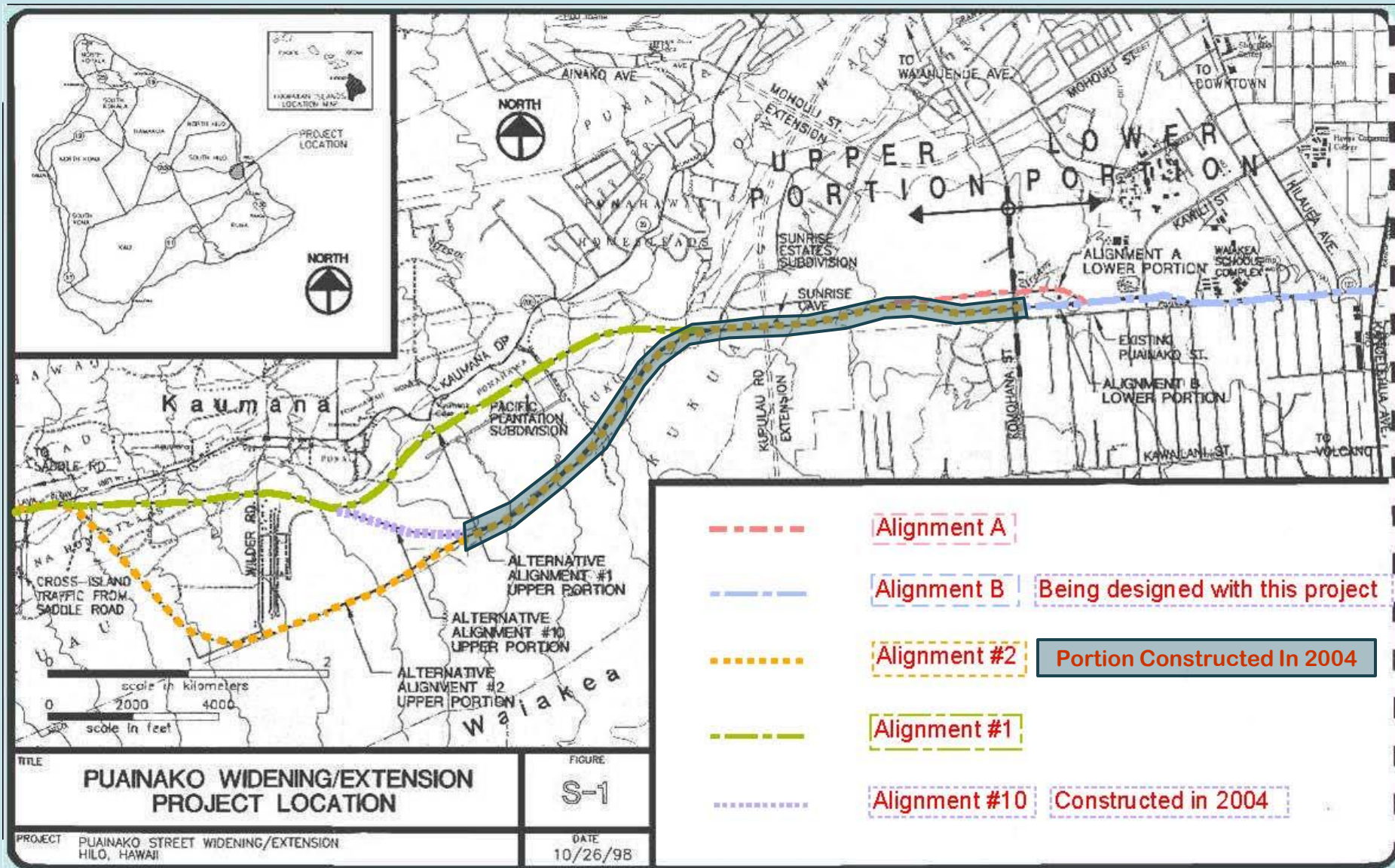


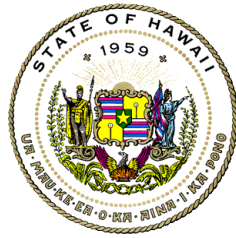


EIS Re-Evaluation

Initiated in 2010 to determine if the Final EIS and Record of Decision were adequate or if a Supplemental EIS would be needed for this project. The US Department of Transportation (USDOT) and the Federal Highway Administration (FHWA) require re-evaluation if “major steps to advance project” have not occurred within 3 years after issuance of EIS.

MAP OF ALIGNMENTS CONSIDERED IN FEIS



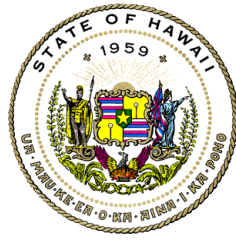


EIS Re-Evaluation

11

- Considerations Include Changes Since 2000:
 - Project design
 - Project traffic
 - The physical, natural, and social environment
 - Legislative and regulatory requirements
- Evaluation is specific to the Lower Portion since the Upper Portion was constructed in 2004.
- Mitigation measures identified in Final EIS and Record of Decision must be followed in addition to those outlined in the Re-evaluation document.

Proposed Alignment & Design Features

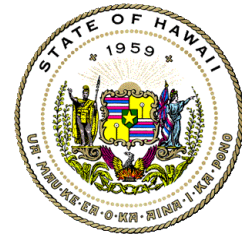


12

- Improved segment will extend between Komohana St. and Kekela Street (just east of Kilauea).

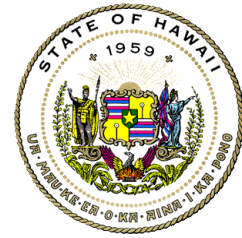
- Improvements:
 - Crosswalks
 - Traffic Signals
 - Drainage enhancements
 - Noise barrier walls
 - Lighting Upgrades
 - Intersection Upgrades
 - ADA provisions
 - Improved sight distance
 - Retaining walls
 - Buffer Zones

Design Changes Since Previous Public Information Meeting



13

- Revised Lane Width from 12' to 11'
- Increased Buffer Zone Between Properties and Travel Lanes
 - ▣ Potential Reduction in Noise
 - ▣ Retaining Wall Heights Reduced
 - ▣ Increased Area Available for Drainage Collection
 - ▣ Potential for Accommodating Utility Poles Outside of Sidewalk Areas



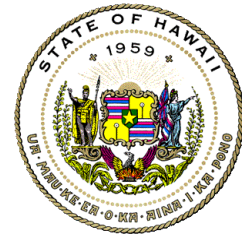
DISPLAY DESCRIPTIONS

14

□ STATION 1 – PROJECT LOCATION AND ROADWAY PLAN VIEW EXHIBITS



Existing homes that will be displaced with project.

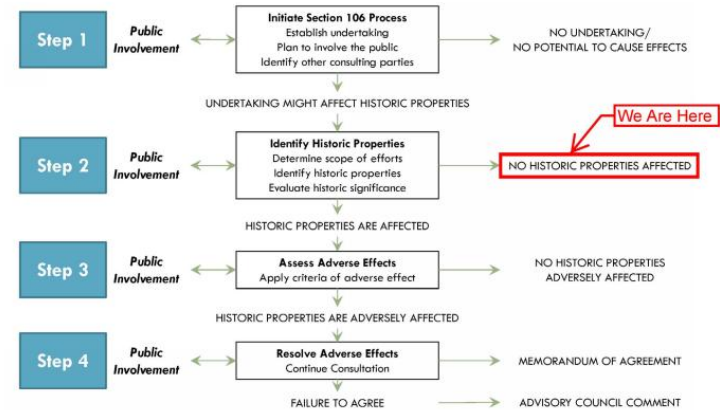


DISPLAY DESCRIPTIONS

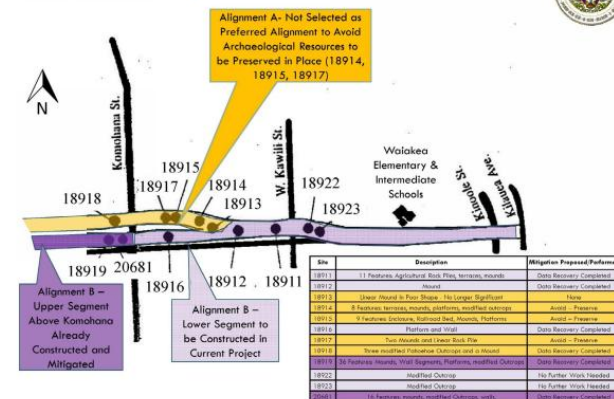
15

□ STATION 2 – Section 106 Information

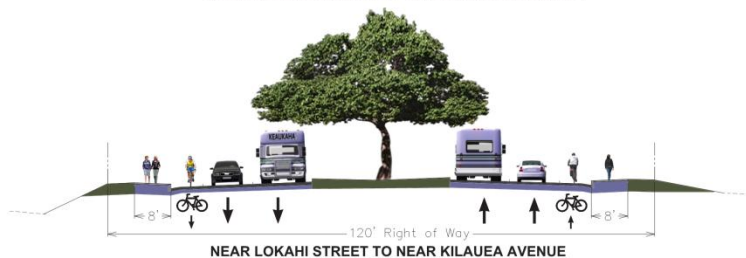
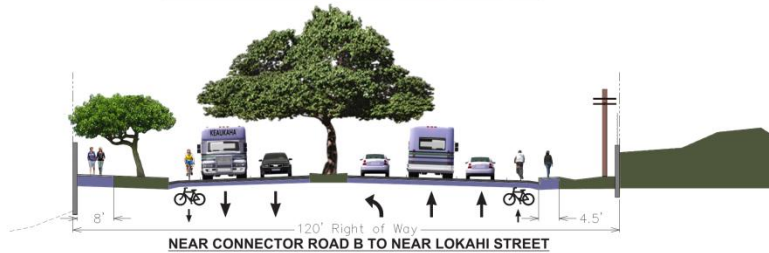
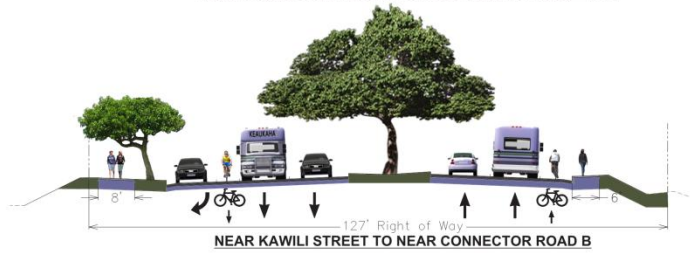
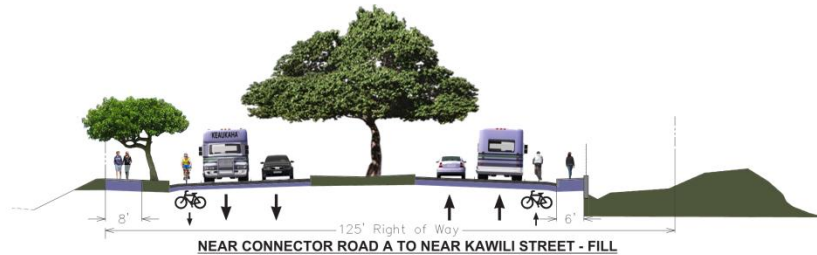
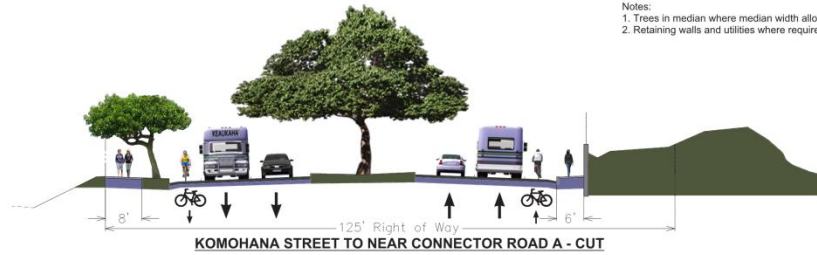
Section 106: Historic Preservation



Historic Properties: All Plantation Era



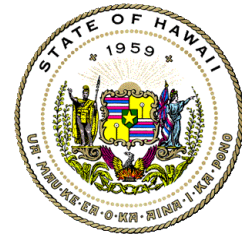
Notes:
1. Trees in median where median width allows.
2. Retaining walls and utilities where required.



DISPLAY DESCRIPTIONS

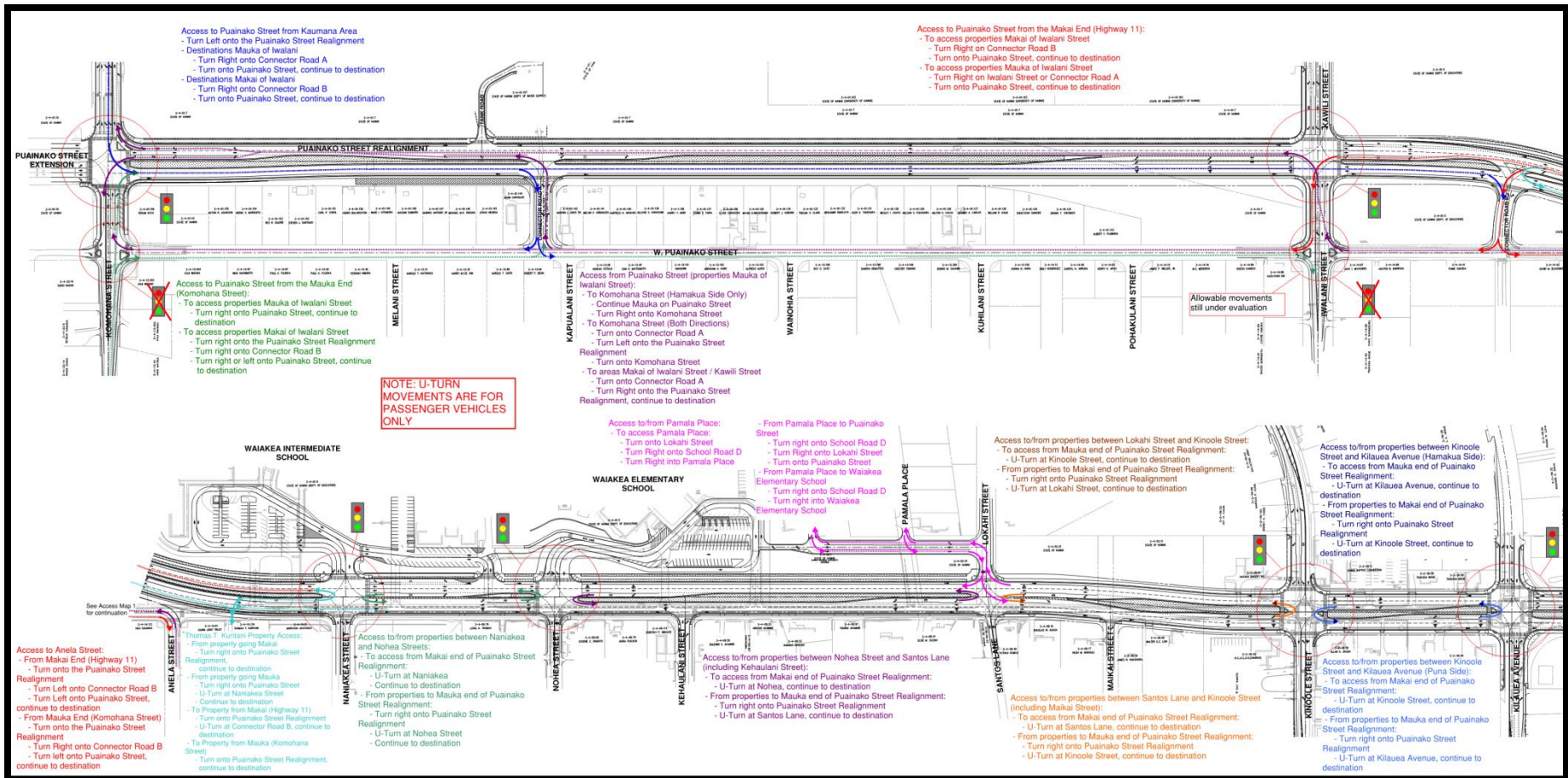
- STATION 3 – Roadway typical sections incorporating revisions since last Public Information meeting

DISPLAY DESCRIPTIONS



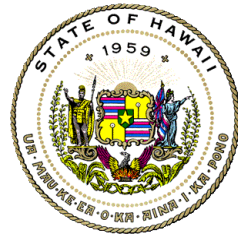
17

STATION 4: Access Routes to and from Affected Areas



Potential Impacts to Property Owners

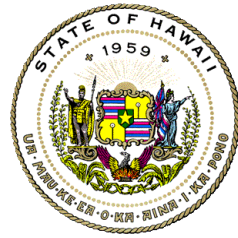
Due to Widening and/or Realignment



18

- ❑ Some property frontages adjacent to the roadway improvements will be impacted
- ❑ Partial loss of existing parking areas for businesses, schools, and churches along the existing Puainako St.
- ❑ 3 homes might be affected.
- ❑ The back of 32 lots adjacent to the realignment may be impacted
- ❑ Noise levels may increase along corridor for properties where improvements move traffic lanes closer to homes/ businesses
- ❑ Access to Puainako Street will be altered for property owners adjacent to the realigned roadway.

Proposed Mitigation to Decrease Impacts



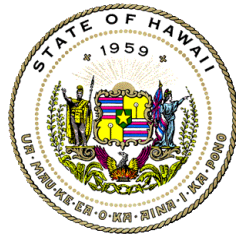
19

Land Issues:

- Construct retaining walls (4'-10') to reduce the size and number of easements and acquisitions
 - Optimize vertical alignment to limit impacts to property owner access to Puainako St.
 - Provide noise barriers where justified
- *Noise barriers are different than retaining walls in that their purpose is to decrease noise levels and not retain soil.

Potential Impacts During Construction:

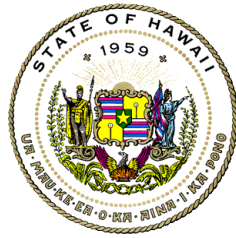
- Traffic (Mitigation: construction of section in front of Waiakea schools shall be scheduled for summer vacation as much as possible)
- Noise (Mitigation: contractor to apply for noise permit which may include mitigation measures, such as restriction of equipment type during restricted hours)
- Utilities (Mitigation: construction schedule to minimize length of time utility customers are inconvenienced)
- Dust (Mitigation: wind screens, watering of active work areas, etc.)
- Sediment pollution (Mitigation: time certain construction activities during periods of minimal rainfall)



Section 106 Consultation

20

- Requires the federal agencies to take into account the effects of undertakings on historic properties through consultation with parties with an interest in the effected historic properties.
- Recognizes Native Hawaiian Organizations (NHOs) and requires consultation with NHOs that attach religious and cultural significance to historic properties that may be affected by the undertaking
- Goals
 - Identify historic properties potentially affected by an undertaking
 - Assess the effects
 - Seek ways to AVOID, MINIMIZE or MITIGATE any adverse effects on historic properties

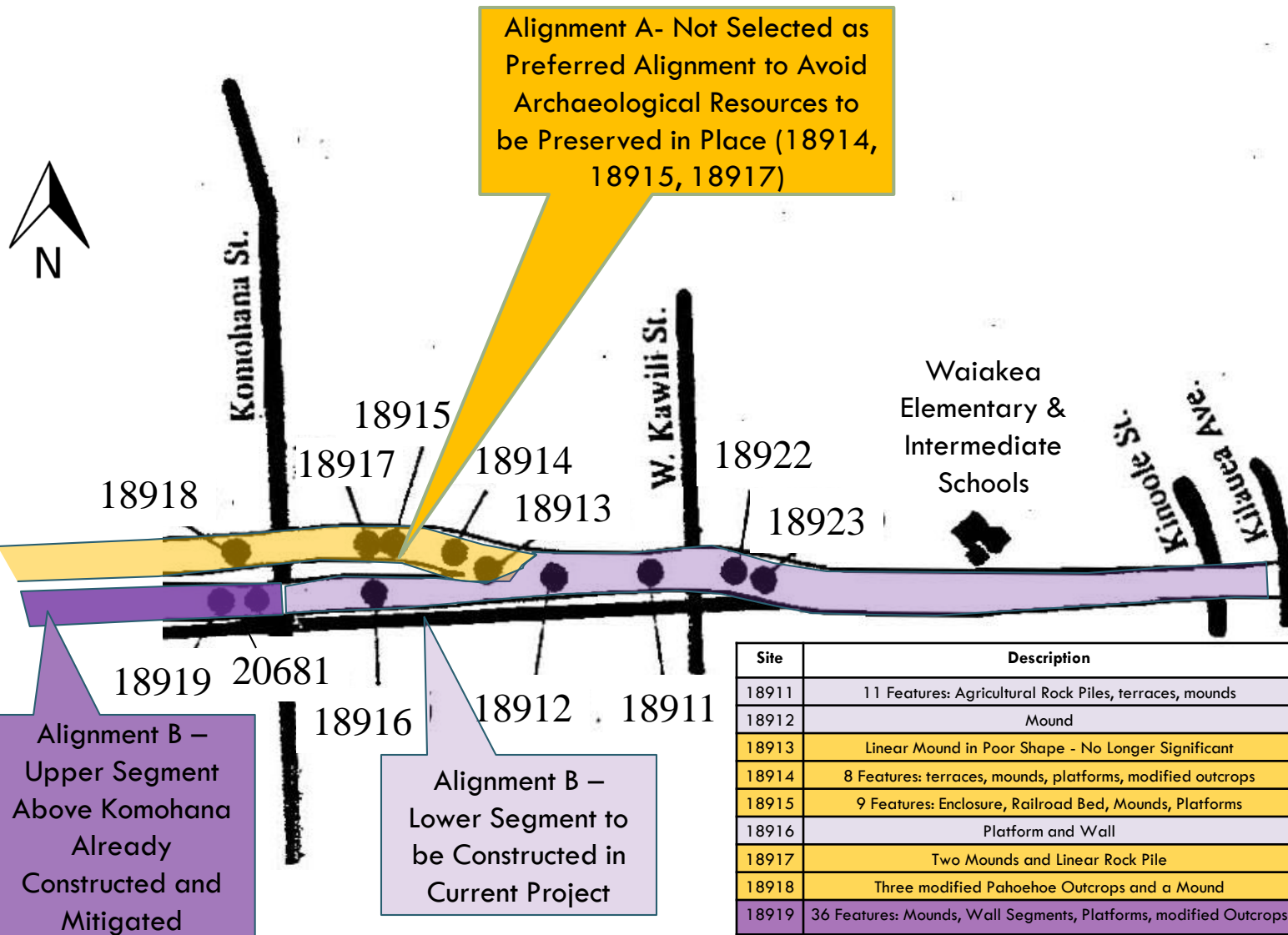
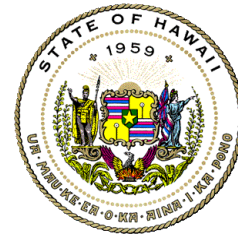


Section 106 Update

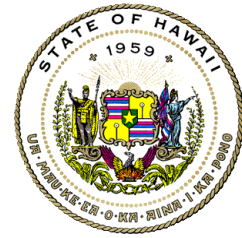
21

- A Memorandum of Agreement (MOA) was completed in 2000. It included the following stipulations on existing historic sites:
 - State Sites (50-10-35) 1814, 18915, and 18917 to be PRESERVED IN PLACE and protected during construction with TEMPORARY FENCING.
 - No further data recovery necessary for State Sites (50-10-35) 18911, 18912, 18916, 18919, 18921, 18922, 18923, and 20681.
- MOA signatories include FHWA, HDOT, SHPD, COH-DPW and HHF

Historic Properties: All Plantation Era



Site	Description	Mitigation Proposed/Performed
18911	11 Features: Agricultural Rock Piles, terraces, mounds	Data Recovery Completed
18912	Mound	Data Recovery Completed
18913	Linear Mound in Poor Shape - No Longer Significant	None
18914	8 Features: terraces, mounds, platforms, modified outcrops	Avoid - Preserve
18915	9 Features: Enclosure, Railroad Bed, Mounds, Platforms	Avoid - Preserve
18916	Platform and Wall	Data Recovery Completed
18917	Two Mounds and Linear Rock Pile	Avoid - Preserve
18918	Three modified Pahoehoe Outcrops and a Mound	Data Recovery Completed
18919	36 Features: Mounds, Wall Segments, Platforms, modified Outcrops	Data Recovery Completed
18922	Modified Outcrop	No Further Work Needed
18923	Modified Outcrop	No Further Work Needed
20681	16 Features: mounds, modified Outcrops, walls,	Data Recovery Completed

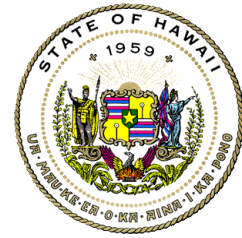


Section 106 Update

23

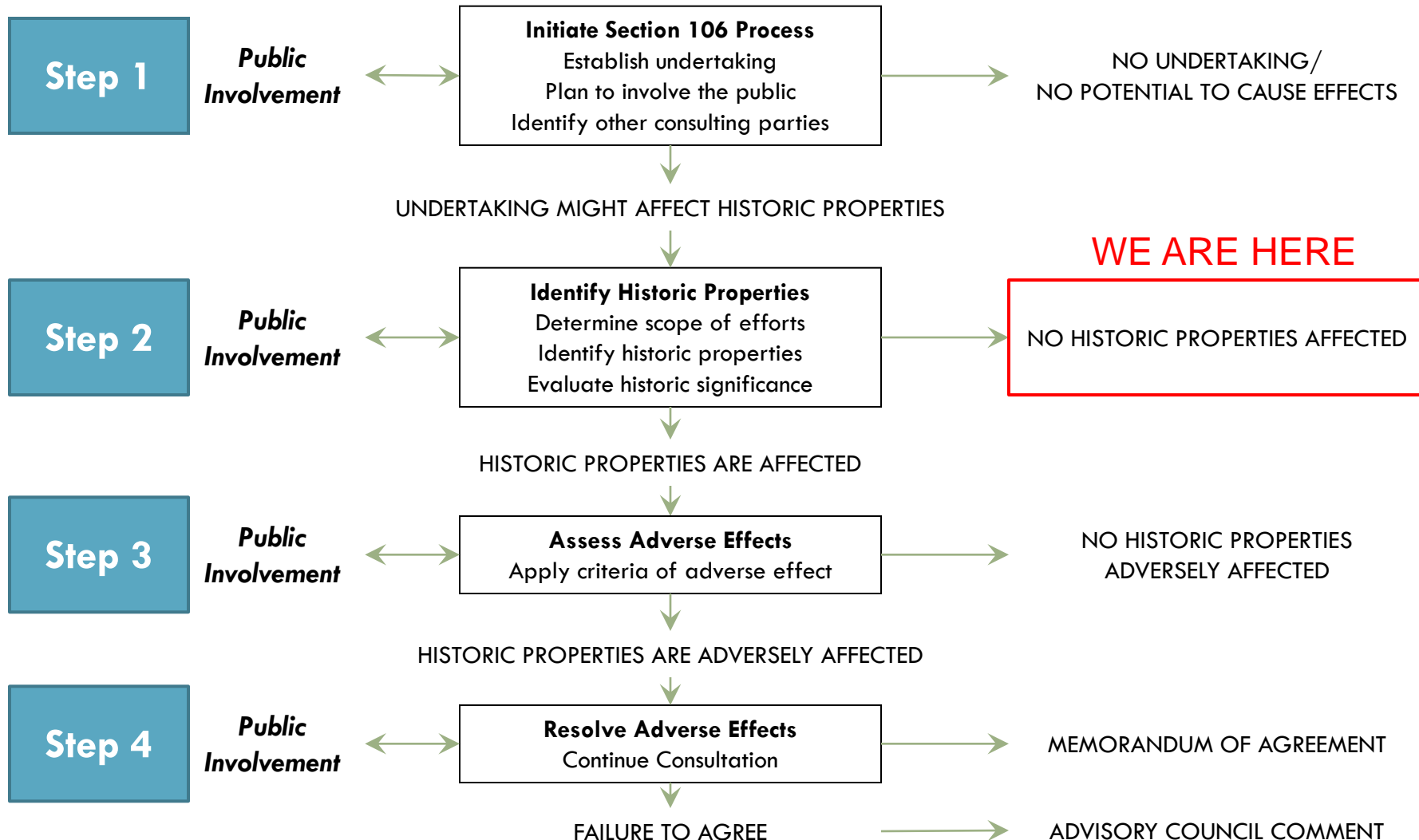
- In 2012, Section 106 Consultation was re-opened to cover the extension of the project from Kilauea Avenue to Kanoelehua Avenue (approx. 850 ft.)
 - SHPD, OHA, and NHO's were sent letters requesting comments and any knowledge of historic, archaeological, or cultural properties in the project area.
 - A Section 106 Consultation public meeting held in Hilo on October 16, 2012.
 - Following consultation with SHPD, OHA and NHO's, NO historic, archaeological, or cultural sites were identified.

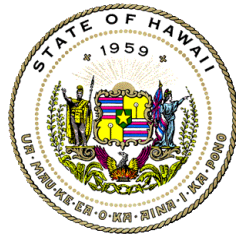
- Next Steps:
 - Seek SHPD concurrence on the determination
 - Seek concurrence of the MOA signatories, either through extension in time of the existing MOA, or by creating a new MOA



Section 106 – 4 Step Process

24

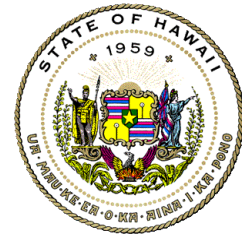




Construction Phasing

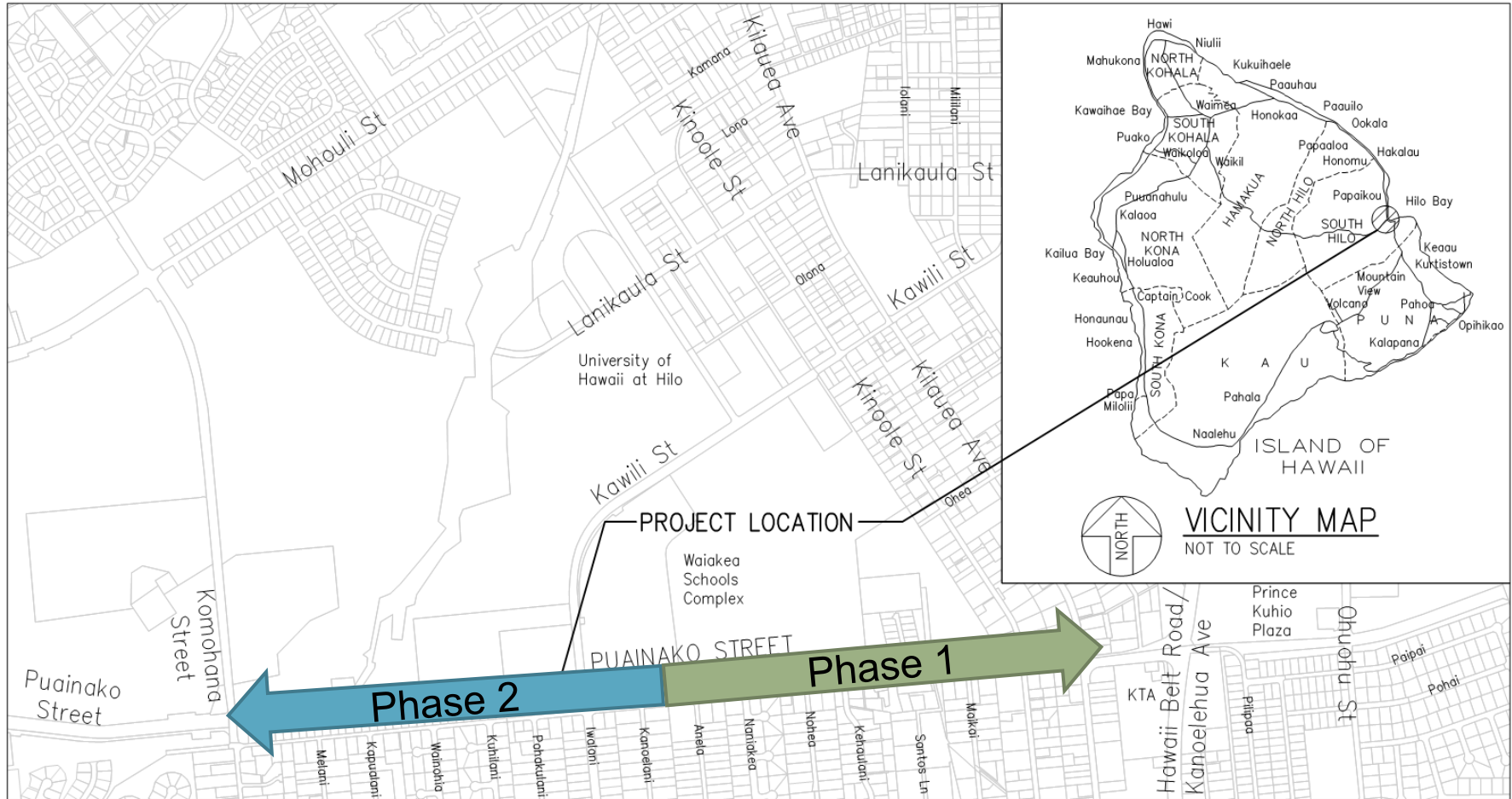
25

- Construction is currently being planned as two phases:
 - Phase 1
 - Waiakea Intermediate School to just east of Kilauea Avenue (near Kekela Street)
 - Widening of the existing two-lane Puainako Street to four lanes.
 - Phase 2
 - Komohana Street to Waiakea Intermediate School
 - New construction of a four-lane roadway on a new alignment.

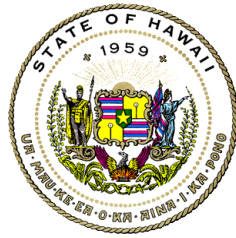


Construction Phasing

26



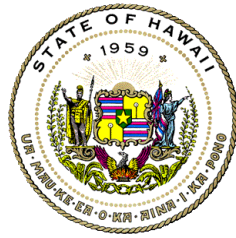
POSSIBLE CONSTRUCTION PHASING
NOT TO SCALE



Project Schedule

27

- 2013: Permits and Preliminary Design
- 2014/2015: Construction, Land Acquisition and Bid Documents
- 2016: Contract Award, Start Construction of Phase 1
- 2018: Complete Construction of Phase 1
Contract Award, Start Construction of Phase 2
- 2020: Complete Construction of Phase 2



Contact Information

28

State Department of Transportation

Robert Sun, Project Manager

(808) 692-7578

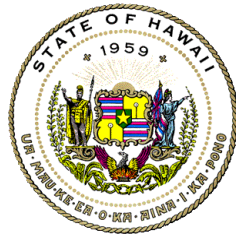
Robert.Sun@hawaii.gov

Prime Consultant:

SSFM International, Inc.

Austen Drake, P.E., Engineer

Cheryl Soon, Planning Group Manager



Question and Answer Session