Context Sensitive Solutions (CSS) and Paia Relief Route Advisory Group (PRAG)

What is Context Sensitive Solutions (CSS)?



- A process of government and communities working together to identify solutions which are in harmony with the community and values of the area
- Identification of solutions which are safe for all users
- Alternatives that satisfy federal & state regulations and that resolve problems identified by a full range of stakeholders
- A series of options which meet or exceed the expectations of both designers and stakeholders
- Alternatives which demonstrate effective and efficient use of resources
- Projects which add lasting value to the community, the environment and the transportation system

Meeting No. 1:
- Began the formalization of the PRAG membership and process
- Gathered input that would to be incorporated in the Purpose and Need Statement
- Discussed objectives that would characterize a successful project



Meeting No. 2:
- Presentation by County of Maui on proposed Directed Growth Policy and long-term considerations for future urban uses
- Review of alternative alignments proposed over the past 50 years
- Collected PRAG input on each alternative

Meeting No. 3
- PRAG confirmation of Purpose and Objectives Statements
- PRAG suggestions for Criteria for Measuring Purpose, Need, and Objectives Statements
- Review of Existing Relief Route Alternatives Identified to Date



Meetings No. 4a & 4b
- PRAG review and confirmation of preliminary evaluation criteria
- PRAG review and confirmation of the range of alternatives
- Examination of the full set of alternatives in relation to: ownership of Kala/Sunnyside Road, physical and environmental factors, agriculture operations, and known cultural resources
- PRAG evaluation of alternatives and critical intersections

Meeting No. 5
- Hana Highway traffic accident data
- Traffic forecasts
- Information on roadway design typologies and elements



Meeting No.6
- Site visit: Candidate relief route crossings of Baldwin Avenue in Paia
- PRAG comments on advantages/disadvantages of each crossing

Meeting No. 7
- Site visit to candidate relief route western and eastern termini
- Presentation of information on bicycling and bikeways

Meeting No. 8
- Present information on possible intersection treatments
- Discuss conceptual ideas for realignment and connections to the relief route eastern terminus
- Outline the status of the environmental process for the project

Station 1A

Paia Relief Route Advisory Group (PRAG) Members

Name	Group
Susan Alivado	Paia Elementary School, Principal
Milton Arakawa	County of Maui, Department of Public Works
Sandy Baz	Maui Economic Opportunity
Gregg Blue	Haiku Resident
Wayne Boteilho	County of Maui, Department of Transportation
Patricia Cadiz	Spreckelsville Resident
Karen Chun	Kuau Resident
Grant Chun	A & B Properties, Inc.
Walter Enomoto	Maui Bicycle Alliance
Greg Godwin	Paia Resident
Garret Hew	Hawaii Commercial & Sugar Company
Lance Holter	Sierra Club – Maui Group
Neal Kunin	Haiku Resident
Bill Kirton	Hana Bay Picnic Company
Mark Lopes	Representing Hawaii Transportation Association
Philip Lowenthal	Disabled Biking Enthusiast/Haiku Resident
Marcy Martin	Surfer/Kuau
Mike Molina	County of Maui, County Council
Kai Nishiki	Haiku Resident
William Palmer	Full Circle Publishing/Pukalani Resident
Rob Parsons	Writer for Sierra Club & Maui Tomorrow/Haiku Resident
Jocelyn Perreira	Tri-Isle Main Street Resource Center & Haiku Resident
Doug Sameshima	Paia Main Street Association
Roy Silva	County of Maui, Office of the Mayor
Elisabeth Smith	Spreckelsville V Homeowners Association
Lisa Starr	Paia Main Street Association
Mercer “Chubby” Vicens	Native Hawaiian/Wailuku Loan Advisory Committee
Warren Watanabe	Maui County Farm Bureau
Michael Westfall	Kuau Resident









Station 1B

Legend

Relief Route Alternatives

- A Hana Highway Widening
- B Alawai Road – Hookipa
- C 1972 Environmental Assessment
- D Field 609 – Pa'ia Mill Road – Hookipa (Mayor Arakawa's Alignment)
- E Nonohe Road - Hookipa
- F Field 609 – Pa'ia Mill Road - Hookipa
- G Field 609 – Mauka of Poni Place – Hookipa (A&B Proposed Alignment)

Agricultural Road Gulch

HO`OKIPA
KUAU
PA'IA
SPRECKELSVILLE
BALDWIN PARK
PUNA RD
ALAWAI RD
NONOHE RD
HANA HWY
PA'IA POST OFFICE
PONI PL
PA'IA MILL
UPPER PA'IA/ SKILL VILLAGE
PA'IA SCHOOL
OLD MAUI HIGH SCHOOL
HOLOMUA RD
HAMAKUAPOKO RD
SPRECKELSVILLE RD
SUNNYSIDE RD
PAIA MILL RD
KAHEKA RD
BALDWIN AVE
KALA RD
HALEAKALA HWY
FIREBREAK RD
Station 2A
A
B
C
D
E
F, G
225004999
225004036
225005999
225005021
225005012
225005006
225005020
225005054
225005005
225005019
238001007
238001014
238001033
238001006
238001999
N
W
E
S
0 0.25 0.5 1 Miles

Conceptual Alternatives A-G, Agricultural Roads and Gulches

Pā'ia Relief Route, Project No. STP-036-1(11)
State of Hawai'i, Department of Transportation

July 2010

Source:

County of Maui Parcels, Office of Planning, State of Hawaii, 2006
County of Maui Roads, USGS Digital Line Graphs, 2001

DEPARTMENT OF TRANSPORTATION
STATE OF HAWAII

Station 2A

Legend

Relief Route Alternatives

- H Kala/Sunnyside Road – Paia Mill Road - Hookipa
- I Kala/Sunnyside Road Pa'ia Mill Road (Pa'ia Strategic Plan Alignment)
- J Pa'ia – Haiku Community Plan (CAC Alignment)
- K Pa'ia – Haiku Community Plan: Take-off Mauka of Kala/Sunnyside Road
- L Pa'ia – Haiku Community Plan: Firebreak Road Take-off
- M Northshore Heritage Loop: Makai Variant
- N Northshore Heritage Loop: Holomua Road Variant
- O Maui Island Plan Preferred Alignment
- Agricultural Road
- Gulch

HO`OKIPA
KUAU
PA'IA
BALDWIN PARK
SPRECKELSVILLE
PUNA RD
ALAWAI RD
NONOHE RD
HANA HWY
PA'IA POST OFFICE
PONI PL
225004999
225004036
225005999
HOLOMUA RD
HAMAKUAPOKO RD
225005021
OLD MAUI HIGH SCHOOL
225005012
225005006
225005020
HOLOMUA RD
225005054
238001007
PA'IA MILL
UPPER PA'IA/ SKILL VILLAGE
PA'IA SCHOOL
225005005
SPRECKELSVILLE RD
238001014
SUNNYSIDE RD
238001033
PAIA MILL RD
225005019
H, I, J, M, N, O
K
KALA RD
KAHEKA RD
BALDWIN AVE
238001006
HANA HWY
238001999
L
HALEAKALA HWY
FIREBREAK RD
N
W
E
S
0 0.25 0.5 1 Miles

Conceptual Alternatives H-O, Agricultural Roads and Gulches

Pā'ia Relief Route, Project No. STP-036-1(11)

State of Hawai'i, Department of Transportation

July 2010

Source:

County of Maui Parcels, Office of Planning, State of Hawaii, 2006
County of Maui Roads, USGS Digital Line Graphs, 2001

DEPARTMENT OF TRANSPORTATION
STATE OF HAWAII

Station 2B

Candidate Intersections

1. Firebreak Road
2. Mauka of Kala/Sunnyside Road
3. Sunnyside Road
4. Field 609, Makai of Kala/Sunnyside Road
5. Field 609, Makai of Point #4
6. Hana Highway at Golf Course
7. Holomua Road
8. Hookipa General Vicinity
9. Approach to Maliko Gulch

HOOKIPA
KUAU
PA'IA
BALDWIN PARK
SPRECKELSVILLE
225004999
225004036
225005999
225005021
225005012
225005006
225005020
225005054
225005005
225005019
238001007
238001014
238001033
238001006
238001999
HOLOMUA RD
HAMAKUAPOKO RD
PUNA RD
ALAWAI RD
NUNOHE RD
HANA HWY
PONI PL
PA'IA POST OFFICE
OLD MAUI HIGH SCHOOL
PA'IA MILL
UPPER PA'IA/ SKILL VILLAGE
PA'IA SCHOOL
PAIA MILL RD
SUNNYSIDE RD
SPRECKELSVILLE RD
KALA RD
KAHEKA RD
BALDWIN AVE
HALEAKALA HWY
FIREBREAK RD

N
W E
S

0 0.25 0.5 1 Miles

Conceptual Hana Highway Candidate Intersections Location Map

Pā'ia Relief Route, Project No. STP-036-1(11)

State of Hawai'i, Department of Transportation

July 2010

Source:
County of Maui Parcels, Office of Planning, State of Hawaii, 2006
County of Maui Roads, USGS Digital Line Graphs, 2001

DEPARTMENT OF TRANSPORTATION
STATE OF HAWAII

ALAWAI
PUNA
AE
NALU
EMI
LOIO
HOKU
KUPONO
KULIA
AKONI
LUNA
KUPAA
HOLO
KAI
KUAU BEACH
LAE
HOE
LAENUI
LAELUA
MAOLI
KAHIKO
KAIEA
PAIA MINI-BYPASS
HEMA
MELIA
ULUMAU
NIHI
PANINI
PONI
A
PUAKOU
B
C
D
E
F
KAHUA
PUA OLE KUANANA
PAHI KA MAHI KO
PAIHI
ANOHOU
PILI LOKO
PALEKANA
G
N
0 240 480 960 Feet
BALDWIN
HOLOMUA RD
H

Legend

A - Mauka of Poni Place
B - Dirt Roadway Makai of Mill
C - Between Future Heritage Center and East Maui Irrigation Building
D - Mauka End of Mill Site, Makai of Pā'ia Mill Road
E - Pā'ia Mill Road
F - Makai of Skill Village
G - Mauka of Skill Village, Makai of Pā'ia School
H - Holomua Road

Conceptual Location Map - Baldwin Ave. Crossings

Pā'ia Relief Route, Project No. STP-036-1(11)

State of Hawai'i, Department of Transportation July 2010

SSFM INTERNATIONAL

List of Resources and Issues to be Assessed in the Environmental Impact Statement

- Traffic and Transportation
- Noise
- Biological Resources (Terrestrial Fauna, Aquatic Resources, Botanical Resources, Threatened/Endangered Species, etc.)
- Natural Hazards
- Right-of-Way impacts, Relocations, and Access Changes
- Social and Economic Conditions and Environmental Justice
- Archaeological, Historic and Cultural Resources
- Construction Impacts
- Permits, Approvals, and Laws
- Air Quality
- Water Resources (Gulches, Wetlands, Floodplains, Aquifers, Ditches, Coastal Zones, etc.)
- Hazardous Materials
- Land Use Plans
- Agricultural Impacts
- Parks and Recreational Areas
- Visual Resources
- Indirect and Cumulative Impacts















