

Highway 1 Action Plan

Midcoast Mobility Action Plan

Update: 10/ 15 / 2012

I. Introduction

Background

The purpose of this Action Plan is to describe the steps that can be taken to convert the concepts contained in the Phase 1 and 2 Studies into construction ready projects. These steps fall into two broad categories:

- Infrastructure projects that involve physical changes to the roads, trails and related facilities; and,
- Technical analyses and design refinements needed to resolve outstanding issues and address agency requirements

Agencies / Phases / Action

Implementation of the Mobility Studies will be a long term effort involving many agencies and stakeholders. The County will take a lead role in coordinating these efforts and will work with the Midcoast Community Council throughout this process. Additional opportunities for public input will be provided during the environmental reviews and permit hearings required for each project.

Priorities and Time Frames

Time frames and priorities have been established for each action item based on the input received regarding the Phase 1 and 2 studies and the following criteria:

Criteria: importance, funding, and complexity	Timeframe	Priority Level
Very important, funding available, varying complexity	Short	High
Very important, unknown funding or highly complex	Mid	High
Very important, unknown funding and highly complex	Long	High
Moderate importance, unknown funding or highly complex	Mid	Medium
Moderate importance, unknown funding and highly complex	Long	Medium
Low to moderate importance, low cost and complexity	Short	Medium
Low to moderate importance, moderate cost or complexity	Mid	Low
Low to moderate importance, moderate to high cost can complexity	Long	Low

II. Traffic

Project	Description	Agencies	Phase/Action	Time	Prty	Funding
Circulation	Develop Comprehensive Transportation Plan	County Planning SAMTrans CUSD	ID and obtain funding, analyze and address the transportation issues ID in LCP resubmittal	Mid	Top	OBAG MTC

NOTES: Involve larger employers (e.g., Nurseryman's Exchange) in development of this plan; address alternative methods of transportation, including to and from school; include measures for evaluating the Plan's success.

Circulation	Implement 45 mph speed limit throughout midcoast except for Airport	Caltrans		Short	Top	OBAG MTC
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NOTES: The introduction of raised medians and other treatments may reduce prevailing motor speeds in community areas, which is a precondition for reducing posted speed limits.

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Near Term - Medians / Crossings / Left Turns (The TA Grant)

All intersections (or combination of adjacent intersections) or points for potential pedestrian crossing at mid-intersection were (sub)projects put together for a common treatment in the TA Grant.

Because the TA Grant application is funded, the following projects are considered as Top (or current) priorities.

Project	Description	Agencies	Phase/Action	Time	Prty	Funding
Gray Whale Cove Parking Lot	Left turn lane and crossing improvements	Caltrans	Initiate Project Study Report	Short	Top	Measure A and HSIP

NOTES: Parking Lot right hand turn lane needs grading and improvement to reduce north bound traffic blockage. Crossing is very close to curve with poor visibility - consider moving to south side of parking lot entrance with path to trail on west side of highway.

Montara State Beach	Crossing improvements	Caltrans State Parks GGNRA	Initiate Project Study Report ----- Environmental Analysis, Design, Permitting, and Construction	Short	High	
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This item is broken into two projects. Montara State Beach consideration must account for Coastal Trail crossing

North Montara	Medians and crossing improvements	GGNRA Caltrans	Initiate Project Study Report ----- Environmental Analysis, Design, Permitting, and Construction	Short	High	
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Notes: This item centers on 1st / 2nd street where a single crossing is needed with adequate walking access to and from the crossing on each side of the road. A 2nd street crossing design has been presented that addresses the needs of local traffic, the coastal trail and a parallel trail. The State Beach and Restaurant parking create considerations that must be accounted.

Project	Description	Agencies	Phase/Action	Time	Prty	Funding
Central Montara	Medians and crossing improvements;	Caltrans County Planning and Public Works	Defer roundabout option ----- Initiate Project Study Report ----- Environmental Analysis, Design, Permitting, and Construction	Short	Top	

NOTES: Need to address details regarding highway entry and exit and median design.

Montara Lighthouse / Hostel	Left turn lane and median with at-grade pedestrian crossing	Caltrans	Initiate Project Study Report ----- Environ Doc, Design and Construct	Short	Top	Measure A Highway Program HSIP (CalTrans)
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Notes: Caltrans intends to construct left turn lane improvements within this location.

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Moss Beach	Option A: Medians	Caltrans County Planning Public Works	Identify preferred option ----- Initiate Project Study Report ----- Environmental Analysis, Design, Permitting, and Construction	Short Term	Top	Measure A Highway Program
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NOTES: Consider roundabouts as potential longer term solution. Additional design work needed.

Project	Description	Agencies	Phase/Action	Time	Prty	
Airport Area	Raise approach grades at the Airport intersection, highway crossing	County Planning and Public Works Caltrans	Identify funding source ----- Environmental Analysis, Design, Permitting, and Construction	Midterm	Med	Measure A Highway Program

El Granada / Surfer's Beach	Improve crossing treatments at Capistrano Road and Coronado Street	County Planning Public Works Caltrans	Identify funding source ----- Environmental Analysis, Design, Permitting, and Construction	Short	Top	
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						Funding
El Granada / Surfer's Beach	Install one or more mid-block crossings in El Granada	County Planning Public Works Caltrans	Identify funding source ----- Environmental Analysis, Design, Permitting, and Construction	Mid	High	Measure A Bike and Ped

NOTES: A mid-block crossing here could help provide safe crossings for people at surfers beach and Sam's Chowder House but will need to address effects of mid-block crossing on traffic flow. The impact of parking on both sides of Highway 1 in this area should also be addressed.

Need Quantitative Data: Collision statistics noting geographical location for pedestrians, autos and bicycle incidents. This data is a necessity for prioritizing projects and time frames. Currently decisions are being based on resident's and newspaper's anecdotal stories.

Miramar at Mirada Road	Safe Crossing needed		Concept plan needed	Short	Med	
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NOTES: Miramar intersections, especially at Mirada road were given specific emphasis. Mirada intersection needs an holding lane for ingress onto the Highway due to poor sight lines.

Highway 1	Install flush and raised median treatments	Caltrans County Planning	Identify funding source ----- Prioritize sites ----- Environmental Analysis, Design, Permitting, and Construction	Mid	Med	
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Medium / Long Term Projects

Circulation	Review and refine potential future highway realignment alternatives	Caltrans County Planning	Work with Caltrans and the community.	Long	High	
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NOTES: Related to El Granada Surfer's Beach design improvements. Future Highway realignment alternatives Lead Agency/Partners: Army Corp of Engineers (erosion), Caltrans, Harbor District, GSD

Traffic Flow	Project to examine retiming Highway 1 Signals		Determine whether PASS program applies to Midcoast	Mid	Med	
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NOTES: Retiming signals may provide a cost effective method for reducing congestion/improving throughput.

Highway 1/ Circulation	Install roundabouts	Caltrans County Planning Public Works	Study feasibility ----- Identify and prioritize sites ----- Identify funding source ----- Public outreach ----- Environmental Analysis, Design, Permitting, and Construction	Long	Low	PASS Program
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NOTES:
-- Partners: More agencies need

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Montara

Project	Description	Agencies	Phase/Action	Time	Prty
North Montara	Crossing, Trails, Parking Improvements at 1st-2nd St / Montara State Beach / Restaurant	Caltrans County Planning and Public Works	Identify preferred option	Long	Low

Moss Beach

Moss Beach	Option B: Medians with roundabouts	Caltrans County Planning Public Works	Identify preferred option ----- Initiate Project Study Report ----- Environmental Analysis, Design, Permitting, and Construction	Long	Top
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Funding

El Granada

Project	Description	Agencies	Phase/Action	Time	Prty
El Granada / Surfer's	Options B, C, D: Parking on the	Caltrans	Identify preferred	Long	High

NOTES: Consideration of Highway realignment needs to be prioritized and accompanied by extensive public outreach. Restoring public parking on the west side of Highway 1, on the parcel within the City of Half Moon Bay currently being used as an RV park, should also be considered.

Funding

El Granada / Surfer's Beach	Option A: Parking on the east side of the highway with no changes to the highway's alignment.	Caltrans County Planning Public Works City of Half Moon Bay Harbor District Army Corps of Engineers	Coordinate with agencies. ----- Identify funding source ----- Land Acquisition -----	Long	Low
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NOTES: Consider east side gravel parking within ROW with access from Obispo for near term.

El Granada / Surfer's Beach	Construct highway realignment and intersection improvements	Caltrans County Planning Public Works	Public Outreach ----- Identify Funding Source ----- Acquire Right-of-Way ----- Environmental Analysis, Design, Permitting, and Construction	Long	High
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NOTES: Need to initiate conversation with CalTrans and recognize community's desire to maintain the Burnham Strip as open space. Consider rush hour bypass on Alhambra

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Trails (Parallel - Coastal - Connectors) and Parking

Considerations include:

- The conceptual framework and engineering design for the parallel trail
- Major trails within the communities that facilitate movement
- The Coastal Trails necessity to cross Highway 1 while staying in closest possible proximity to the coast
- Locations where the lateral trails that connect mountain trails to the coastal trail and coast must cross highway 1
- The parking required to provide access for those who have driven (from near or far) to get to trail, parks and coastal access.

Circulation	Prioritize bikeways and trail	County Planning	Identify funding	Short	Top	
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NOTES: Highway bike lanes may be needed in areas where right-of-ways are narrow and/or constrained by hazards or sensitive habitats.

Parallel Trail	Continuous bicycle and pedestrian trail located parallel to Highway 1 from the City of Half Moon Bay to Devil's Slide	County Planning Public Works Caltrans	Identify preferred alignments and development phases ----- Apply for Measure A Funds ----- Environmental Analysis, Design, Permitting, and Construction	Mid	Top	Coastal Conservancy Measure A
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NOTES: Funding becomes available in 2013. Divide into appropriate segments to allow for phased development. Provide opportunity for community input on alternative alignments such as those listed below.

Segments with county alternate routes:

Highway 1 Segment

- 1 - Mirada to Coronado
- 2 - Coronado to Capistrano S
- 3 - Capistrano S to Etheldore S (Airport)
- 4 - Etheldore S to Montara Lighthouse
- 5 - Montara Lighthouse to N Montana
- 6 - North Montara to Montara Trailhead

Alternate Routes / Connectors

- Internal route in Miramar East
- Obispo / Alhambra
- Airport Frontage / Airport Street
- Etheldore
- Carlos / Main Street

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Project	Description	Agencies	Phase/Action	Time	Prty	Funding
Carlos Street	Road and streetscape improvements	County Planning Public Works Caltrans	Identify preferred option ----- Identify funding sources ----- Environmental Analysis, Design, Permitting, and Construction	Short	Top	Measure A funding.

NOTES: Top priority because Carlos has been proposed as a segment for the Parallel Trail.

Coastal Trail	Continuous pedestrian and bicycle trail from Half Moon Bay to Pacifica, oriented to the shoreline to the extent feasible	County Parks County Planning Public Works State Coastal Conservancy	Identify preferred alignments and improvements where gaps exist ----- Identify funding sources to design and construct improvements ----- Environmental Analysis, Design, Permitting, and Construction	Mid	Top	Measure A Bike and Ped
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NOTES: Allow Equestrian use where feasible. Community interested in a trail strand emphasizing walking on non-paved surfaces, in addition to other multi-use strands.

El Granada / Surfer's Beach	Complete 400' portion of trail linking the Coastal Trail between Surfers Beach and Coronado Street	County Planning Public Works Caltrans	Environmental Analysis, Design, Permitting, and Construction	Short	High	Coastal Conservancy
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II. Parking

Project	Description	Agencies	Phase/Action	Time	Prty	Funding
Land Use / Development	Conduct parking study to assess needs and identify preferred sites, size and configuration	County Planning State Parks GGNRA Harbor District	Work with partner agencies to determine projected demand for parking.	Mid	Med	Coastal Conservancy

NOTES: Address current and projected demands, including how they may be affected by increasing gasoline prices, improved transit service and enhanced trail connectivity. Identify preferred sites, size and configuration. Also analyze the impact of charging for parking versus free parking. Include parking counts as well as quantitative analysis of current parking use.

Gray Whale Cove Parking Lot	Capacity Increase		Concept Plan	Mid	Med	
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NOTES: This will be the major parking area for walking access to state beach, mountain trails and south portal

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Montara State Beach	Parallel parking west side of highway and GGNRA parking lot further inland on east side	GGNRA Caltrans	Confirm feasibility of parking lot location ----- Initiate Project Study Report for highway improvements ----- Environmental Analysis, Design, Permitting, and Construction	Mid	Med	
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NOTES: Community - East side parking grouped with mountain trails. Caltrans is creating parking space in the right of way. GGNRA parking and trailhead is treated in a separate section.

North Montara	Parking lot(s) at restaurant and Montara State Beach South	County Planning State Parks Restaurant Owner Caltrans	Initiate Project Study Report ----- Environmental Analysis, Design, Permitting, and Construction	Short	High	
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El Granada - Capistrano to Coronado	Parking on the shoulder of Highway 1	Caltrans City of Half Moon Bay San Mateo County SMC Sheriff and Highway Patrol	Define project to review and develop a plan	Short	High	
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Mountain Connecting Trails and Associated Parking

Project	Description	Agencies	Phase/Action	Time	Prty	Funding
GGNRA trailhead and	North of Montara	GGNRA	Identify preferred	Short	High	
GGNRA trailhead and parking	Etheldore Street - Left turn lanes, site development adjacent to south Etheldore Street east side of Highway 1	GGNRA County Planning Public Works Real Property Caltrans		Short	Low	
GGNRA trailhead and parking	Northern El Granada	GGNRA County Planning Public Works Real Property	Identified preferred location	Mid	Low	
Trailhead and Parking	Wicklow / Quarry Park / Mirada Surf East -	County Parks County Planning Public Works Real Property Caltrans	Identified preferred location ----- Present and discuss design with community	Mid	Low	

NOTES: Community Parking / Crossing needed at Magellan to connect with Coastal Trail

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**Other
Project**

Project	Description	Agencies	Phase/Action	Time	Prty	Funding
Montara Lighthouse /	Pedestrian overcrossing	County Planning	Determine feasibility Identify funding sources Environmental	Long	Med	
Central Montara	Main Street Improvements	County Planning Public Works	Identify preferred improvements Identify funding sources Environmental Analysis, Design, Permitting, and Construction	Long	Low	
El Granada to Miramar	Consolidate driveways and parking lot entries in Miramar and El Granada	County Planning Public Works Caltrans	Public outreach with property owners Identify funding source Environmental	Long	Low	
Highway 1	Stripe bike lanes and medians on Highway 1 per recommended context appropriate cross sections	Caltrans County Planning	Identify funding source ----- Prioritize sites ----- Environmental Analysis, Design, Permitting, and Construction	Long	Low	
Highway 1	Construct sidewalks and edge treatments both sides of Highway 1 per recommended context appropriate cross sections	Caltrans County Planning	Identify funding source ----- Prioritize sites ----- Environmental Analysis, Design, Permitting, and Construction	Long	Low	