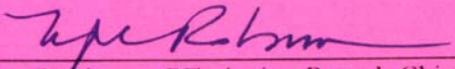
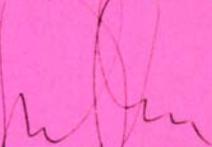


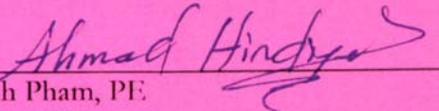
SMALL CAPITAL VALUE PROJECT

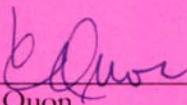
Request Programming in 2012 SHOPP

PROJECT LOCATION: Route 39 at
Yorktown Ave (PM 2.141), Main/Ellis St (PM 3.120), and
McFadden Ave (PM 6.141)

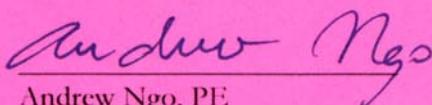
APPROVAL RECOMMENDED: 
Kim Robinson, PE, Acting Branch Chief
Project Studies Branch

APPROVAL RECOMMENDED:  7-26-2011
Jason Osman, PE, Branch Chief
District Traffic Safety Engineer

APPROVAL RECOMMENDED: 
for Vinh Pham, PE
Project Manager

APPROVED:  7-28-11
Cindy Quon, PE
District Director
Date

This project initiation document has been prepared under the direction of the following Registered Civil Engineer. The registered civil engineer attests to the technical information contained herein and the engineering data upon which recommendations, conclusions, and decisions are based.


Andrew Ngo, PE
Registered Civil Engineer

July 20th, 2011
Date



Initiating Office/Initiator:

The District Traffic Safety Engineer, along with his counterparts in the Headquarters Safety Program, has established that a project is needed and that it meets the qualification for the Safety Program.

The safety project proposes to fund the amount of \$934,000 for adding safety lighting at three intersections of Route 39 and Yorktown Avenue, Route 39 and Main/Ellis Street, Route 39 and McFadden Avenue. This safety project will be funded from the Safety Program 20.10.201.010 in the fiscal year 2012/2013 FY.

This Project Initiation Document (PID) provides conceptual approval of the proposal and a recommendation to program the project into the current State Highway Operation and Protection Program (SHOPP). A project report will serve as final approval of the proposal.

Purpose and Need:

Purpose: This safety project is expected to reduce the number and severity of accidents due to low visibility during dark conditions.

Need: It proposes to add safety features at the intersections of Route 39 and Yorktown Ave, Ellis/Main St, and McFadden Ave.

Deficiency Summary:

The three project locations are signalized four-legged intersections in the cities of Huntington Beach and Westminster. See *Attachment A*. The field reviews by Traffic Studies Branch indicated that all signing and striping appeared to be in place and the road surface in good condition. However, safety could be enhanced at these locations by adding lighting during the dark hours.

Project Proposal: (See *Attachment C*)

The project proposes to add additional safety lighting, upgrade signal heads with 12” high-visibility LEDs, remove median concrete curb nose to 3-feet behind the PED crosswalk, remove and replace curb ramps, add/upgrade PED count-down modules and push buttons, remove median crosswalk buttons, install PED barricades and “No PED Xing” sign, and refresh striping and pavement markings where needed.

Right of Way: There is no right of way involvement, except possible utilities relocation, as all work is within State’s right of way.

Disposal Site: Any minimal hazardous waste disposal shall be addressed in the next phase.

Utilities: All affected are within the right of way and any minor conflicts shall be addressed during the next phase.

Environmental:

No Environmental Documents are anticipated at this phase. However, any potential Environmental and/or Water Quality impacts will be addressed at the PA/ED and PS&E phases.

Programming:

PROJECT CAPITAL COST		
Fiscal Year	Right of Way Capital	Construction Capital
FY 2012-2013	\$15,000	\$919,000

Key assumptions for capital cost estimate: The construction capital cost assumes no right of way involved. See Attachment B.

PROJECT SUPPORT COMPONENTS									
	PA&ED 0 Phase		Design 1 Phase		Right of Way 2 Phase		Construction 3 Phase		Total
	Dist	DES	Dist	DES	Dist	DES	Dist	DES	
Estimated PY's	0.9	0	1.8	0.3	0.1	0	1.6	0	

Schedule:

HQ Milestones	Delivery Date (Month, Day, Year)
PA & ED	05/01/2012
Regular Right of Way	06/01/2012
Project PS&E	12/01/2012
Right of Way Certification	01/01/2013
Ready to List	03/01/2013
Approve Contract	10/01/2013
Contract Acceptance	07/01/2014
End Project	04/01/2015

Key assumptions for the schedule: The schedule assumes no right of way involved.

Attachments:

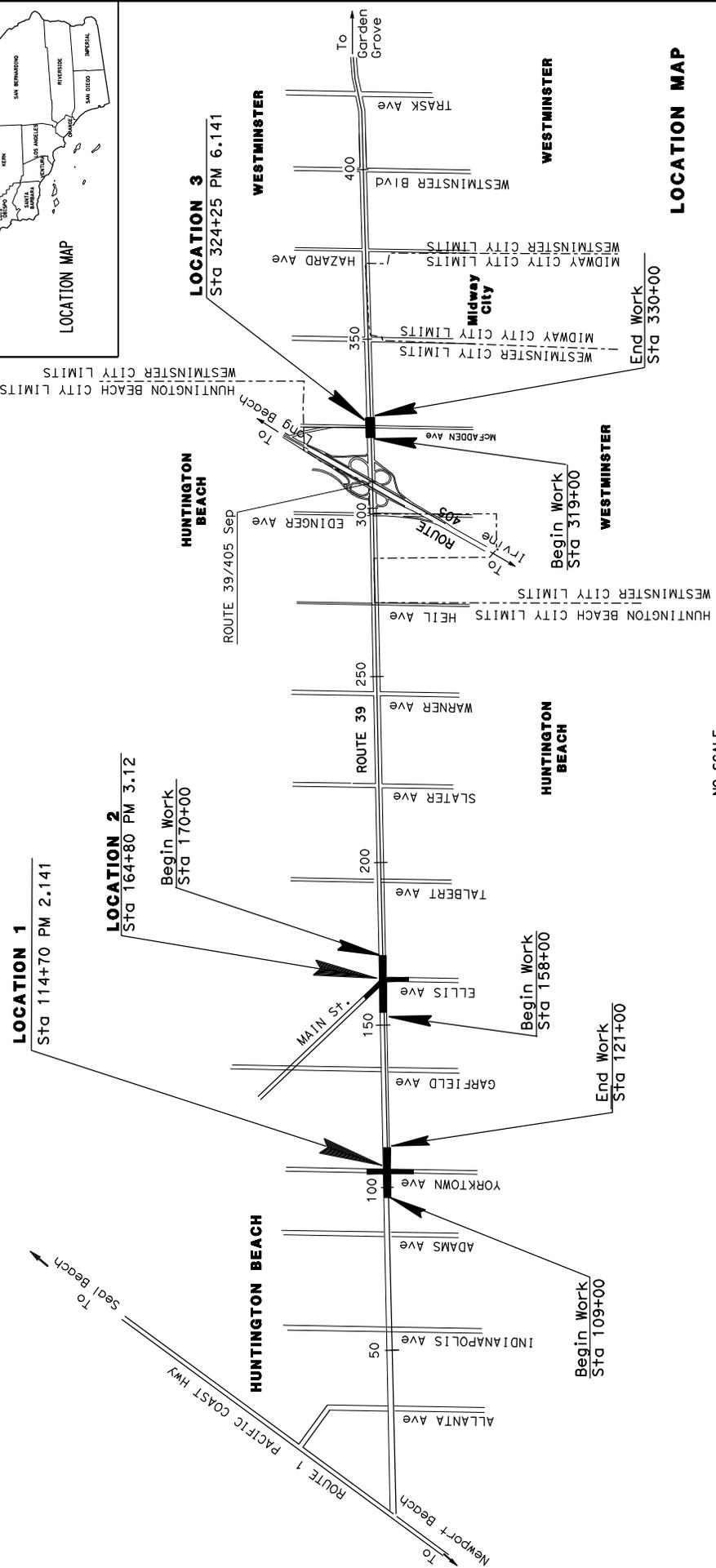
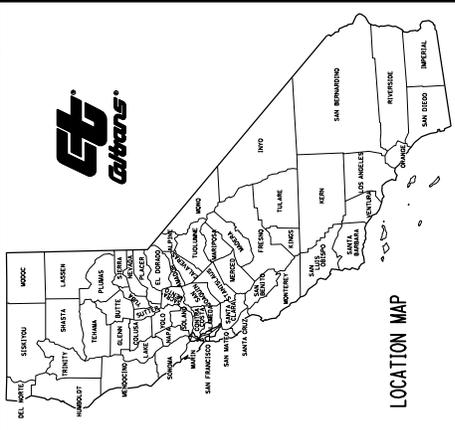
- Attachment A: Location Map
- Attachment B: Cost Estimates
- Attachment C: Proposed Improvements Maps
- Attachment D: Storm Water Data Report

ATTACHMENT A

Project Location

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION PROJECT PLANS FOR CONSTRUCTION ON STATE HIGHWAY

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
12	ORA	39	2.141 - 6.141	1	1



PROJECT MANAGER		DESIGN ENGINEER	
CALTRANS WEB SITE IS: HTTP://WWW.DOT.CA.GOV/		RELATIVE BORDER SCALE 1" = 15' IN INCHES	
CONTRACT No. CU 12185		EASTING: 0 1 2 3	
DATE PLOTTED => 16-JUN-2011		LAST REVISION	
USER: dms		DGN FILE => 0019700001.dgn	
EASTING: 019700K		EASTING: 019700K	

BORDER LAST REVISED 4/11/2008

ATTACHMENT B

Cost Estimates

SMALL CAPITAL VALUE PROJECT COST ESTIMATE SUMMARY

Dist-Co-Rte 12-ORA-39
PM 2.141, 3.120, and 6.141
EA/Project ID 0L970K/12-00020262
Prgm. Code 20.41.201.010

PROJECT DESCRIPTION:

Limits: In Orange County, on SR-39, at intersections of Yorktown Ave., Ellis/Main St., and McFadden Ave.
Proposed Improvement (Scope): Add safety lighting, replace high visibility LED signals, upgrade ADA curbs

SUMMARY OF PROJECT COST ESTIMATE

TOTAL ROADWAY ITEMS	\$ <u>918,836</u>
TOTAL STRUCTURE ITEMS	\$ <u>0</u>
SUBTOTAL CONSTRUCTION COSTS	\$ <u>918,836</u>
TOTAL RIGHT OF WAY ITEMS	\$ <u>15,000</u>
TOTAL PROJECT CAPITAL OUTLAY COSTS	\$ <u>933,836</u>
USE	\$ <u>934,000</u>

Prepared by Andrew Ngo Phone No: (949) 756-4984 Date: 7/20/2011
PID Project Engineer Andrew Ngo

Reviewed by Kim Robinson Phone No: (949) 756-4952 Date: 7/21/2011
Acting PID Branch Chief Kim Robinson

Approved by Ahmad Hindiyeh for Vinh Pham Phone No: (949) 724-2097 Date: 7/22/2011
Project Manager

SMALL CAPITAL VALUE PROJECT COST ESTIMATE SUMMARY

Dist-Co-Rte	12-ORA-39
PM	2.141, 3.120, and 6.141
EA/Project ID	OL970K/12-00020262
Prgm. Code	20.41.201.010

I. ROADWAY ITEMS

Section 1 Earthwork

		<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
190101	Roadway Excavation	70	CY	\$70	\$4,900	
160101	Clearing and Grubbing	1	LS	\$5,000	\$5,000	
<u>Subtotal Earthwork</u>						\$9,900

Section 2 Structural Section

<u>Item No.</u>	<u>Item Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
153222	Remove Conc Curb Median Nose	1	LS	\$4,000	\$4,000	
16826	Remove Concrete Curb Ramp	58	CY	\$200	\$11,600	
153214	Remove Concrete Curb	520	LF	\$20	\$10,400	
016156	Remove Concrete Gutter	520	LF	\$50	\$26,000	
153218	Remove Conc Sidewalk (Main St)	40	SQYD	\$15	\$600	
731519	Minor Conc (Stamped Concrete, Main St)	1	LS	\$600	\$600	
731504	Minor Concrete (Curb and Gutter)	48	CY	\$1,000	\$48,000	
731623	Minor Concrete (Curb Ramp)	56	CY	\$1,000	\$56,000	
731521	Concrete Sidewalk (Main St)	50	CY	\$1,200	\$60,000	
	Sawcut Pavement (Main St)	120	ft	\$2	\$240	
394090	Hot Mix Asphalt (Main St)	180	SQFT	\$12	\$2,160	
250201	Class 2 Aggregate Sub-Base (Main St)	1	LS	\$3,000	\$3,000	
<u>Total Structural Items</u>						\$222,600

Section 3 Drainage

		<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
	Misc Drainage	1	LS	\$6,000	\$6,000	
<u>Total Drainage</u>						\$6,000

Section 4 Speciality Items

		<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
	Remove type 1-A signal pole	1	LS	\$3,000	\$3,000	
039336	Type 15 pole w/ 200-W Luminaire	11	EA	\$10,000	\$110,000	
	12" High Visibility LED Signal Head	1	LS	\$60,000	\$60,000	
731656	Detectable Warning Surface	144	SQFT	\$60	\$8,640	
	Electrical Work*	1	LS	\$100,000	\$100,000	
016558	Pedestrian Barricade (Type 1) (Main St)	2	EA	\$1,000	\$2,000	
016552	PED Push Button	17	EA	\$500	\$8,500	
	PED Count Down Module	24	EA	\$1,000	\$24,000	
074017	Prepare WPCP	1	LS	\$1,100	\$1,100	
074016	Construction Site Management	1	LS	\$30,000	\$30,000	
	Resident Engineer Office	1	LS	\$6,000	\$6,000	
	"No Crosswalk" Sign (Main St)	2	EA	\$200	\$400	
* Electrical Work includes signal and lighting, PED push button, PED count down module, pullbox adjustment, etc.						
<u>Total Speciality Items</u>						\$353,640

PROJECT REPORT COST ESTIMATE SUMMARY

Dist-Co-Rte 12-ORA-91
 PM 2.141, 3.120, and 6.141
 EA/Project ID 0L970K/12-00020262
 Prgm. Code 20.41.201.010

<u>Section 5 Traffic Items</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Upgrade Signing	1	LS	\$3,000.00	\$3,000	
Delineator	1	LF	\$6,000.00	\$6,000	
Paint Traffic Stripe	1	LS	\$15,000.00	\$15,000	
120100 Traffic Control Systems	1	LS	\$25,000	\$25,000	
Public Awareness Campaign	1	LS	\$3,000	\$3,000	
Maintain Traffic / Detour	1	LS	\$6,000	\$6,000	
128650 Portable CMS	1	LS	\$8,000	\$8,000	
120090 Construction Area Signs	1	LS	\$15,000	\$15,000	
CHP/ Cozeep	1	LS	\$0	\$0	

Total Traffic Items \$81,000

SUBTOTAL SECTIONS 1-5 \$673,140

Section 6 Minor Items

Subtotal Sections 1-5	\$673,140	X	5% (5% - 10%)	\$33,657	
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Total Minor Items \$33,657

Section 7 Roadway Mobilization

Subtotal Sections 1-6	\$706,797	X	10% (10%)	\$70,680	
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Total Roadway Mobilization \$70,680

Section 8 Roadway Additions

Supplemental Work

Subtotal Sections 1-6	\$706,797	X	5% (5% - 10%)	\$35,340	
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Contingencies

Subtotal Sections 1-6	\$706,797	X	15% (15%-25%)	\$106,020	
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Total Roadway Additions \$141,359

TOTAL ROADWAY ITEMS \$918,836
(Total of sections 1-8)

II. STRUCTURE ITEMS

<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
1	LS	\$0	\$0	

TOTAL STRUCTURE ITEMS \$0

III. RIGHT OF WAY

<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
1	LS	\$15,000	\$15,000	

TOTAL RIGHT OF WAY (Current Value) \$15,000

ATTACHMENT C
Proposed Improvement Maps

Beach Blvd

Change type 1-A pole with type 15 pole
Add Count-Down PED Head and
Modify PED Push Button
Upgrade Curb Ramp

Add Count-Down PED Head and
Modify PED Push Button
Upgrade Curb Ramp
Change type 1-A pole with type 15



Remove Concrete Curb Median
Nose to 3 ft behind crosswalk
Remove Median Crosswalk Button
Adjust Pullbox to Grade

Yorktown Ave

Yorktown Ave

Change type 1-A pole with type 15
Upgrade Curb Ramp

Upgrade Curb Ramp

Remove Median Crosswalk Button

Add Count-Down PED Head and
Modify PED Push Button

Add Count-Down PED Head and
Modify PED Push Button
Change type 1-A with type 15

Beach Blvd



Beach Blvd

Ellis

Main St

Change type 1-A pole with type 15 pole
Install PED Barricade and "NO PED Xing" sign

Upgrade Curb Ramp
Add Count-Down PED Head and Modify PED Push Button

Install PED Barricade and "No PED Xing" sign
Upgrade Curb Ramp
Add Count-Down PED Head and Modify PED Push Button
Change type 1-A with type 15 Pole

Remove Concrete Curb Median
Nose to 3 ft behind PED crosswalk

Remove Concrete Curb Median
Nose to 3 ft behind PED Crosswalk
Remove Median Crosswalk Button
Adjust Pullbox to Grade

Change type 1-A with type 15-Pole

Add count-Down PED Head and Modify PED Push Button

Upgrade Curb Ramp
Modify Curb/Gutter to provide 4' sidewalk
Add Count-Down PED Head and Modify PED Push Button

Upgrade Curb Ramp



Change type 1-A pole with type 15 pole
Add Count-Down PED Head
and Modify PED Push Button

Upgrade Curb Ramp

Add Count-Down
PED Head

Remove Median
Crosswalk Button

Change type 1-A pole
with type 15 pole

Upgrade Curb Ramps

Add Count-Down PED Head
and Modify PED Push Button

Remove Median
Crosswalk Button

Add Count-Down PED Head
and Modify PED Push Button
Upgrade Curb Ramps
Change type 1-A pole with type 15

Add Count-Down PED Head
and Modify PED Push Button

McFadden

McFadden

Add Count-Down PED Head

Upgrade Curb Ramps

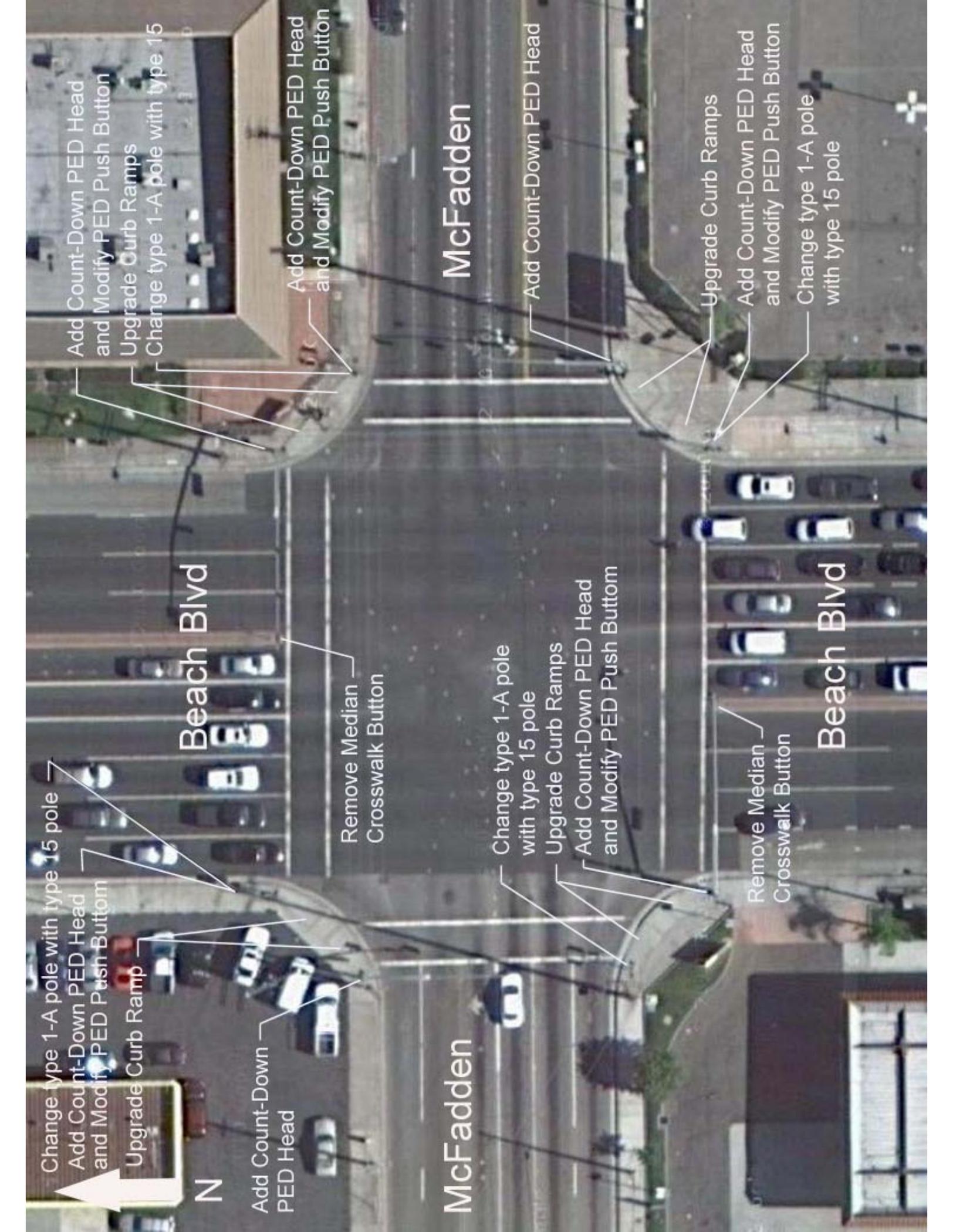
Add Count-Down PED Head
and Modify PED Push Button

Change type 1-A pole
with type 15 pole

Beach Blvd

Beach Blvd

N



ATTACHMENT D
Storm Water Data Report

Short Form - Storm Water Data Report



Dist-County-Route: 12-ORA-039
Post Mile Limits: 2.141, 3.120, 6.141
Project Type: Safety Improvement
Project ID (or EA): 12-00020262 / 0L970K
Program Identification: 20.10.201.010
Phase: [X] PID, [] PA/ED, [] PS&E

Regional Water Quality Control Board(s): Santa Ana Regional Water Quality Control Board

- 1. Is the project required to consider incorporating Treatment BMPs? Yes [] No [X]
2. Does the project disturb 5 or more acres of soil? Yes [] No [X]
3. Does the project disturb more than 1 acre of soil and not qualify for the Rainfall Erosivity Waiver? Yes [] No [X]
4. Does the project potentially create permanent water quality impacts? Yes [] No [X]
5. Does the project require a notification of ADL reuse? Yes [] No [X]

If the answer to any of the preceding questions is "Yes", prepare a Long Form - Storm Water Data Report.

Estimate Construction Start Date: 08/2013 Construction Completion Date: 05/2014
Separate Dewatering Permit (if yes, permit number) Yes [] Permit # _____ No [X]
Erosivity Waiver Yes [] Date: _____ No [X]

This Short Form - Storm Water Data Report has been prepared under the direction of the following Licensed Person. The Licensed Person attests to the technical information contained herein and the data upon which recommendations, conclusions, and decisions are based. Professional Engineer or Landscape Architect stamp required at PS&E.

Signature of Andrew Ngo, Registered Project Engineer, dated 6/14/2011

I have reviewed the storm water quality design issues and find this report to be complete, current and accurate:

Signature of Grace Pina-Garrett, District/Regional SW Coordinator, dated 6/15/2011

[Stamp Required for PS&E only]

Evaluation Documentation Form

DATE: 05/20/2011

Project ID / EA: 1200020262 / OL970K

NO.	CRITERIA	YES ✓	NO ✓	SUPPLEMENTAL INFORMATION FOR EVALUATION
1.	Begin Project Evaluation regarding requirement for consideration of Treatment BMPs	✓		See Figure 4-1, Project Evaluation Process for Consideration of Permanent Treatment BMPs. Go to 2
2.	Is this an emergency project?		✓	If Yes , go to 10. If No , continue to 3.
3.	Have TMDLs or other Pollution Control Requirements been established for surface waters within the project limits? Information provided in the water quality assessment or equivalent document.		✓	If Yes , contact the District/Regional NPDES Coordinator to discuss the Department's obligations under the TMDL (if Applicable) or Pollution Control Requirements, go to 9 or 4. _____ (Dist./Reg. SW Coordinator initials) If No , continue to 4.
4.	Is the project located within an area of a local MS4 Permittee?	✓		If Yes . (<i>Cities of Huntington Beach, and Westminster</i>), go to 5. If No , document in SWDR go to 5.
5.	Is the project directly or indirectly discharging to surface waters?	✓		If Yes , continue to 6. If No , go to 10.
6.	Is it a new facility or major reconstruction?		✓	If Yes , continue to 8. If No , go to 7.
7.	Will there be a change in line/grade or hydraulic capacity?		✓	If Yes , continue to 8. If No , go to 10.
8.	Does the project result in a <u>net increase of one acre or more of new impervious surface</u> ?			If Yes , continue to 9. If No , go to 10. _____ (<i>Net Increase New Impervious Surface</i>)
9.	Project is required to consider approved Treatment BMPs.			See Sections 2.4 and either Section 5.5 or 6.5 for BMP Evaluation and Selection Process. Complete Checklist T-1 in this Appendix E.
10.	Project is not required to consider Treatment BMPs. _____ (Dist./Reg. Design SW Coord. Initials) _____ (Project Engineer Initials) 6/15/11 _____ (Date)	✓		Document for Project Files by completing this form, and attaching it to the SWDR.