

AGENDA Background I. II. Advisory Committee Meeting **III.** Community Meetings IV. Current Status of Alternatives Study GOAL V. FEMA and NFIP Update VI. Recommended Action Plan VII. Questions/Comments VIII. Next Steps

I. BACKGROUND: ALTERNATIVES STUDY PURPOSE

PRIMARY OBJECTIVE

- Identify projects for levees to meet FEMA requirements
- Identify solutions that mitigate channel deficiencies, address flood zones, and incorporate multibeneficial components where possible

II. ADVISORY COMMITTEE MEETING NO. 1 MARCH 14, 2011

COMMITTEE INPUT

- Potential sites
 - Compton Creek Storm Drain Daylighting Study
- Suggestions to reduce flows entering channels
 LID policies/infiltration projects
- Enhancement ideas
 - Earthen Bottom Enhancement Feasibility Study



III. COMMUNITY MEETINGS

- 3 meetings conducted: 2 in Carson, 1 in Long Beach
- Invited 10,919 parcels from the affected area
- 160 property owners attended the meetings
- NFIP coordinators for cities attended the meetings



III. COMMUNITY MEETINGS

FEEDBACK

- Overall disbelief in the flooding issues
- When will flood insurance be required?
- Provide solutions as quickly as possible

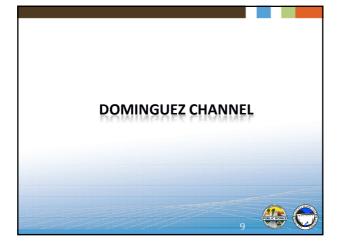


STUDY SCOPE

- Evaluate Existing Conditions
- *Establish Design Objectives

Alternatives Analysis

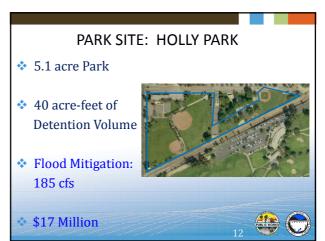




DOMINGUEZ CHANNEL







PARKING LOT: INSURANCE AUTO AUCTIONS

- 22.5 acre Parking Lot
- Place Infiltration Basins Beneath Lot
- 52 acre-feet of Detention Volume
- Flood Mitigation: 210 cfs
- \$90 Million



PUBLIC WORKS

		MULTI-	USE OPPOR	TUNITIES			Flood	1	
SITE DESCRIPTION	Water Quality	Recreation	Water Conservatio		Brown Field Location	Off Line Basin	Mitigation (CFS)	IN	IPROVEMENT COST
PARK SITES									
Alondro Field			•				200	\$	30,800,000
Vernon Hemingway Memorial Park	•	•	•	•			179	\$	13,600,000
Victoria Park							831	\$	27,600,000
Del Amo Park		•	•				329	\$	11,100,000
Dolphin Park	•	•	•				284	\$	12,400,000
Torrance Boulevard Park	•	•	•	•	•	•	1,141	\$	25,800,000
La Carretera Park							154	\$	5,600,000
Columbia Park							175	Ś	77,000,000
Alondra Park		•					1,042	- S -	44,000,000
Bodger Park							314	\$	16,500,000
Rowley Park	•	•	•	•			242	\$	23,000,000
Holly Park		•					187	\$	16,600,000
Darby Park							183	S	14,800,000
SCHOOL SITES									
Will Rodgers Intermediate School		•					220	\$	27,400,000
El Camino Baseball/North Field	•		•				39	\$	15,400,000
OTHER SITES									
Del Amo Gap		•				•	1,098	s	53,900,000
Royal Park		•					655	\$	13,400,000
South Garden Park	•						190	\$	14,500,000
Avalon Wetlands	•			•			84	\$	17,200,000
Insurance Auto Auctions (Parking Lot)							208	\$	90,200,000
τοται							7,755		550,800,000

CHANNEL MODIFICATION ALTERNATIVES

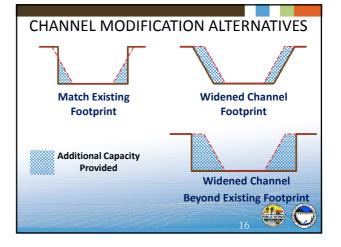
CHANNEL SHAPE MODIFICATIONS

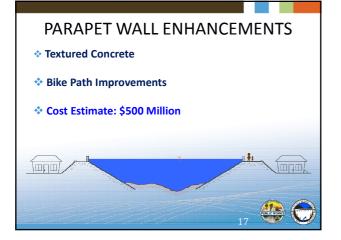
* Rectangular, Trapezoidal, etc.

CHANNEL LINING

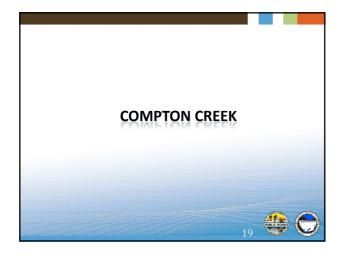
* Smooth Concrete Bottom

RAISE CHANNEL WALLS







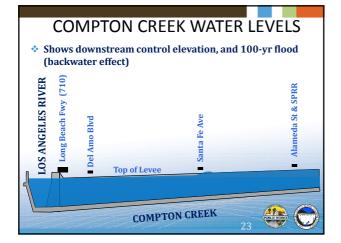




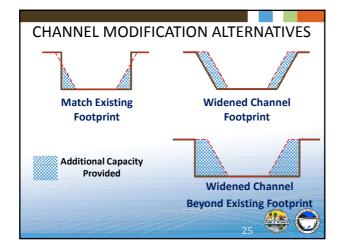
Channel Bottom

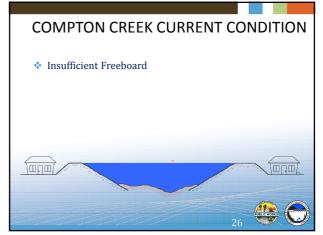
Top of Channel

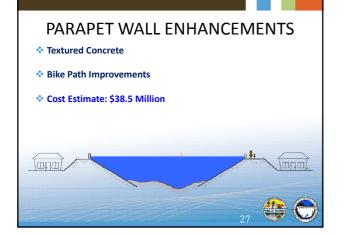


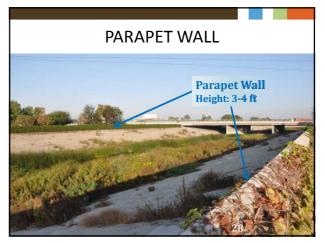


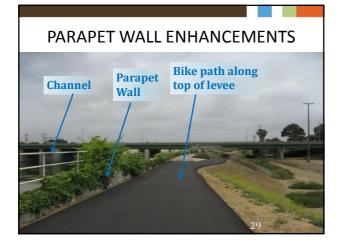


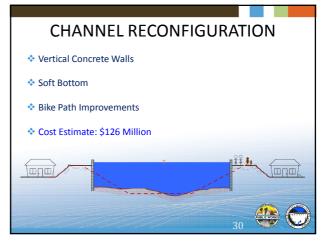












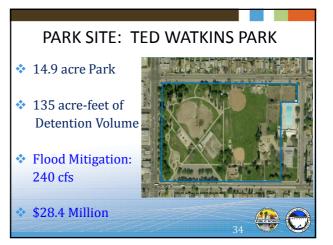




PARK SITE: GATEWAY PARK

- 8.4 acre Vacant Lot
- 55 acre-feet of
 Detention Volume
- Flood Mitigation:90 cfs
- \$17.3 Million

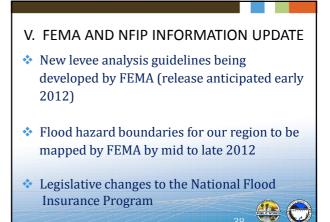






ALTERNA		1PT	ON	CRE		ENT:
SITE DESCRIPTION	Water Quality	MULTI- Recreation	USE OPPORT Water Conservatio	Hobitat Broy	m Field Mitigation	IMPROVEMENT COST
LACECD FACILITY	county				anon (aray	
Compton Creek Pump Station	•				430	\$ 330.000
SCHOOL SITES						
Compton High School					130	\$ 23,600,000
Davis Middle School					75	\$ 27,900,000
Compton Elementary					90	\$ 8,600,000
PARK SITES						
Gateway Park				•	90	\$ 17,300,000
Cressey Park					155	\$ 12,800,000
Magic Johnson Park					490	\$ 52,900,000
Clovis Avenue Park					195	\$ 20,900,000
Ted Watkins Park					240	\$ 28,400,000
South Park					500	\$ 39,000,000
REDEVELOPMENT SITE						
Jordan Downs Expansion			•	•	365	\$ 28,500,000
тот	AL				2,760	\$ 260,230,000
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SSESSMENT (OF ALTERNAT	IVES: RESUL
Assessment Criteria	Compton Creek	Dominguez Channel
Existing Design Capacity	13.750 cfs	13.950 cfs
100-year FEMA Capacity	16,600 cfs	26,280 cfs
Capacity Needed	N/A	12,330 cfs
Constraint	Water Surface in LA River	Channel Capacity
Detention Site Concepts	11 sites	20 sites
Flow Reduction	2,760 cfs	7,755 cfs
Adtl. Flow Reduction Reqd.	N/A	4,575 cfs
Estimated Cost	\$265 Million	\$875 Million
Channel Modifications		
Parapet Walls	\$38.5 Million (3-4 ft, varies)	\$500 Million (6-8 ft, varies)
Rect. Channel/Soft	\$126 Million	\$524 Million



VI. RECOMMENDED ACTION PLAN

PENDING FEMA GUIDELINES

Expected new FEMA levee guidelines may impact action plan

COMPTON CREEK

If necessary, recommend a parapet wall project that includes multi-use enhancements.

DOMINGUEZ CHANNEL

Recommend a combination of channel modification and parapet wall projects that may include multi-use enhancements

UBLIC WORKS

PURSUE ALTERNATIVE SITES FOR LOCAL DRAINAGE ISSUES



VII. NEXT STEPS

- 1. Adjust Alternatives Study based on FEMA's new levee guidelines
- 2. Further develop the Alternatives Study
- 3. Share Draft Alternatives Study with the Advisory Committee and community
- 4. Finalize the Alternatives Study



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