



AGENDA

PUBLIC WORKS COMMISSION CITY OF HUNTINGTON BEACH

Wednesday, January 19, 2011 – 5:00 PM

City Council Chambers

2000 Main Street

Huntington Beach, CA 92648

A. PLEDGE OF ALLEGIANCE

ROLL CALL

Cook, McGovern, O'Connell,
Siersema, Spencer

B. PRESENTATIONS-COMMENDATIONS

C. MINUTES

C-1. Minutes of November 17, 2010

D. OATH OF OFFICE

The City Clerk will administer the Oath of Office to newly appointed Public Works Commissioner Debbie Cook.

E. ORAL COMMUNICATIONS

Public Comments – the Public Works Commission welcomes public comments on all items on this agenda or of community interest. **Three minutes per person**, time may not be donated to others. Commission on this date can take no action on any item not on the agenda. This is the time to address Commission regarding items of interest or agenda items other than public hearings. Communications on agenda items will be scheduled such that public comments may be received as close to 5:00 p.m. as possible.

F. DIRECTOR'S ITEMS

F.1 Commission Business – February is the reorganization of the Public Works Commission by election of Chair and Vice Chair.

F-2. Infrastructure Needs for Strategic Plan Memo – Travis Hopkins will discuss information provided in a memo regarding Priority Strategic Objectives from a City Council Strategic Planning session.

G. INFORMATION ITEMS

- G-1. Active Capital Project Report – An update on active capital projects is presented for the Commission’s information. Project information, including description, location maps and funding sources can be found in the FY 2010/11 Capital Improvement Program notebook, or on the city’s website under Government, Current [Budget](#) information.
- G-2. Water Quality Report Update – Program Effectiveness Assessment - A progress report on NPDES Permit Order R8-2009-0030 will be presented.

H. ADMINISTRATIVE ITEMS

- H-1. Huntington Beach Central Park Sports Complex Field #8, CC-1348 – Plans and specifications are in final preparation for the Huntington Beach Central Park Sports Complex Field #8 Project. Staff is seeking approval for the project and the initiation of the competitive bid process.

Funding Source: Funds for the project in the amount of \$360,500 are available in the Park Acquisition Development Fund as approved in the 2010/2011 Capital Improvement Program.

Recommended Action: Motion to recommend to the City Council, the Huntington Beach Central Park Sports Complex Field #8, CC-1348.

I. WRITTEN COMMUNICATIONS

J. COMMISSION AND STAFF COMMENTS

K. ADJOURNMENT

<p style="text-align: center;">NEXT PUBLIC WORKS COMMISSION MEETING <i>February 16, 2011 5:00 PM, City Council Chambers</i></p>
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CITY OF HUNTINGTON BEACH
INTERDEPARTMENTAL COMMUNICATION

TO: Fred A. Wilson, City Administrator

FROM: Travis K. Hopkins, PE, Director of Public Works 

DATE: November 8, 2010

SUBJECT: Infrastructure Needs for Strategic Plan

The City Council met on January, 29, 2010, to review and update the Strategic Plan and set Priority Strategic Objectives. Through this effort, three-year goals were organized into five categories with one focusing on infrastructure, "Maintain, improve and obtain funding for infrastructure and equipment." This memo and attached spreadsheets is information requested at the strategic planning session providing an outline of infrastructure activities and long-term funding requirements.

The infrastructure needs list (Attachment A) is a list which identifies estimated costs for projects over a ten year period. Included in the comments section are details and a total need when available. Attachment B is the updated infrastructure list and a projection of shortfall using the past five-year average CIP funding projected over a ten-year period. The five-year average funding includes many sources such as General Fund, Gas Tax, Measure M, Grant Funds, CDBG, RDA, Federal Stimulus Grants, Proposition 42, and Proposition 1b.

Since the Integrated Infrastructure Management Program (IIMP), the City adopted a Sewer Service Charge that provides approximately \$10 million per year for maintenance, operations, and capital projects. This revenue provided for the reconstruction of seven sewer lift stations and annual slip lining of sewer lines. With the revenue source currently meeting the infrastructure needs, the sewer system was not included in the current infrastructure needs list.

The infrastructure needs list was not intended to update the enormous effort expended on the IIMP. The IIMP evaluated and created a comprehensive data base of infrastructure needs against all the funding sources available to address the needs. The needs included not only rehabilitation, replacement and maintenance but also future new construction. The current Infrastructure Needs List provides a more narrow scope of rehabilitation and maintaining existing infrastructure. The following is a list of some of the differences between the reports:

- The current infrastructure needs list does not include new construction; the IIMP included \$331 of new infrastructure. New construction in the IIMP includes new parks, new street widening needs, and other new facilities.
- The current infrastructure needs list is a 10-year list and the IIMP is a 20-year list.
- The IIMP included the sewer system needs. Due to the implemented sewer service fee, these services are now an enterprise fund and not included in the current infrastructure needs list.

- The current needs list doesn't include fleet or equipment, routine landscape maintenance, or street sweeping costs which were included in the IIMP.

As with the IIMP, there are several infrastructure categories that are projected to be underfunded in this analysis. These categories include Storm Drainage System, Residential Concrete, Residential Streets System, Alleys/Parking lots/Block Walls, Building and Facilities, Parks and Playground Equipment.

TKH:jg

Attachments

Cc: Bob Hall

City of Huntington Beach - Infrastructure Needs

		Estimated over 10 years	Comments
DRAINAGE			
Storm Drain Improvements - Gravity	\$	30,000,000	1-2 projects/year Total projects identified=\$200 million
Replace Existing Pump Stations	\$	86,500,000	Design and construct one station per year
TOTAL	\$	116,500,000	
STREETS			
Residential Concrete			
Petition Streets as of July 2010	\$	20,000,000	82 streets on Current List
Non-petition streets 10% of city	\$	5,000,000	Sidewalk, curb, gutter replacements (tree related)
Non-tree related concrete requests	\$	7,500,000	Complete 150 requests @ \$30,000 each annually
Downtown Street Light Replacement	\$	7,000,000	Replace high voltage street light system in downtown
TOTAL	\$	39,500,000	
Residential Pavement			
Residential Overlay	\$	16,000,000	Asphalt only / No concrete work.
Residential Slurry	\$	5,000,000	Maintain residential streets on 7 year cycle
TOTAL	\$	21,000,000	
Arterial Highways Including Bridges			
Arterial Slurry	\$	1,000,000	Maintain arterials after reconstruction, on 7 year cycle
Arterial Rehabilitation	\$	21,000,000	Maintain current PCI
City Owned Bridges	\$	3,000,000	Preventive Maintenance/Repair 36 Bridge/ Total need \$16 million
TOTAL	\$	25,000,000	
Alleys/Parking Lots/Block Walls			
Alleys (30 miles)	\$	5,000,000	7 alleys/year. Total Replacement Cost=\$19 million
Parking lots (9 lots)	\$	2,300,000	Complete city parking lot repairs
Block walls (53 miles)	\$	15,000,000	1.5 miles/year. Total Replacement Cost=\$53 million
TOTAL	\$	22,300,000	
BUILDINGS/FACILITIES			
ADA Transition Plan	\$	3,000,000	ADA compliant modifications(documented need)
Buildings and Structures	\$	35,000,000	Paint/HVAC/Termite/etc.
TOTAL	\$	38,000,000	
PARKS/PLAYGROUNDS			
Park lighting	\$	1,500,000	Replace lighting in 37 park locations
Play equipment replacement	\$	2,000,000	One time replacement (90 locations)
Turf and landscape replacement	\$	7,500,000	Long term needs for park renewal (70 sites)
TOTAL	\$	11,000,000	
Grand Total	\$	273,300,000	

City of Huntington Beach - Infrastructure Needs

	Estimated over 10 years	Past Five Year's Funding	Est. 10 year Shortfall
DRAINAGE			
Storm Drain Improvements - Gravity	\$ 30,000,000		
Replace Existing Pump Stations	\$ 86,500,000		
TOTAL	\$ 116,500,000	2,700,000	111,100,000
STREETS			
Residential Concrete			
Petition Streets as of July 2010	\$ 20,000,000		
Non-petition streets 10% of city	\$ 5,000,000		
Non-tree related concrete requests	\$ 7,500,000		
Downtown Street Light Replacement	\$ 7,000,000		
TOTAL	\$ 39,500,000	8,000,000	23,500,000
Residential Pavement			
Residential Overlay	\$ 16,000,000		
Residential Slurry	\$ 5,000,000		
TOTAL	\$ 21,000,000	9,100,000	2,800,000
Arterial Highways Including Bridges			
Arterial Slurry	\$ 1,000,000		
Arterial Rehabilitation	\$ 21,000,000		
City Owned Bridges	\$ 3,000,000		
TOTAL	\$ 25,000,000	22,900,000	-20,800,000
Alleys/Parking Lots/Block Walls			
Alleys (30 miles)	\$ 5,000,000		
Parking lots (9 lots)	\$ 2,300,000		
Block walls (53 miles)	\$ 15,000,000		
TOTAL	\$ 22,300,000	0	22,300,000
BUILDINGS/FACILITIES			
ADA Transition Plan	\$ 3,000,000		
Buildings and Structures	\$ 35,000,000		
TOTAL	\$ 38,000,000	5,750,000	-19,500,000
PARKS/PLAYGROUNDS			
Park lighting	\$ 1,500,000		
Play equipment replacement	\$ 2,000,000		
Turf and landscape replacement	\$ 7,500,000		
TOTAL	\$ 11,000,000	200,000	10,600,000
Grand Total	\$ 273,300,000	\$ 48,650,000	\$ 130,000,000

**City of Huntington Beach
Capital Improvement Program Master Schedule**

Wed 1/12/11

ID	Task Name	Duration	Start	Finish	Resource	Budget	Comments	2010					2011												
								1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	9
178	CC-2052 Beach Boulevard Underground Utility District	370 days	Mon 10/26/09	Fri 3/25/11	Eng	\$8,300,000	Infrastructure complete. Cabling installation underway.																		
179	Construction (Cabling) & Pole Removal	370 days	Mon 10/26/09	Fri 3/25/11																					
180																									
181	WATER	745 days	Mon 10/5/09	Fri 8/10/12																					
182	CC-1175 Southeast Reservoir & CC-1191 Southeast Transmission Main (Planning Phase Only)	313 days	Wed 2/17/10	Fri 4/29/11	Eng	\$185,000	Planning of transmission main has started.																		
183	Design	313 days	Wed 2/17/10	Fri 4/29/11																					
184																									
185	CC-(TBD) Well No. 8 Irrigation Project (Phase II - Related to CC-1268)	392 days	Mon 2/1/10	Tue 8/2/11	Eng	\$100,000	Conceptual design has started.																		
186	Design	345 days	Mon 2/1/10	Fri 5/27/11																					
187	Permits (Building, and may need DPH & OCWD approval)	107 days	Mon 3/7/11	Tue 8/2/11																					
188																									
189	CC-1398 Landscape Well #2 @ N/W Corner of Springdale/Edinger	215 days	Mon 12/6/10	Fri 9/30/11	Streets/ Eng	\$135,000	Design underway.																		
190	Design	80 days	Mon 12/6/10	Fri 3/25/11																					
191	Construction	60 days	Mon 7/11/11	Fri 9/30/11																					
192																									
193	Security Improvements	261 days	Fri 10/1/10	Fri 9/30/11	Ops	\$500,000	Ongoing throughout year.																		
194	Construction	261 days	Fri 10/1/10	Fri 9/30/11																					
195																									
196	Variable Frequency Drive at Peck Reservoir	260 days	Mon 3/1/10	Fri 2/25/11	Ops/Eng	\$250,000	Study/design underway.																		
197	Study/Design	260 days	Mon 3/1/10	Fri 2/25/11																					
198																									
199	CC-(TBD) Well #9 GAC Filtration	250 days	Mon 1/10/11	Fri 12/23/11	Eng/Ops	\$250,000	Not started.																		
200	Design	80 days	Mon 1/10/11	Fri 4/29/11																					
201	Construction	120 days	Mon 7/11/11	Fri 12/23/11																					
202																									
203	CC-(TBD) Well #10 Rehabilitation	100 days	Mon 5/16/11	Fri 9/30/11	Eng/Ops	\$600,000	Out to bid. Award in Mar.'11.																		
204	Construction	100 days	Mon 5/16/11	Fri 9/30/11																					
205																									
206	CORROSION CONTROL	605 days	Mon 4/19/10	Fri 8/10/12																					
207	CC-1285 Corrosion Protection 30" Steel on Yorktown (Joint Bonding and Appurtenance Upgrade)	160 days	Mon 11/8/10	Fri 6/17/11	Eng	\$3,900,000	Construction underway.																		
208	Construction	160 days	Mon 11/8/10	Fri 6/17/11																					
209																									
210	CC-1317 12" Harbor Distribution Corrosion Control (Pipe Has Joint Bonding)	68 days	Wed 10/27/10	Fri 1/28/11	Eng	\$200,000	Construction underway.																		
211	Construction	68 days	Wed 10/27/10	Fri 1/28/11																					
212																									
213	CC-1360 Corrosion Protection 21" Steel OC-9 (Joint Bonding and Appurtenance Upgrade - Design Only)	605 days	Mon 4/19/10	Fri 8/10/12	Eng	\$200,000	Construct in FY 11/12.																		
214	Design	380 days	Mon 4/19/10	Fri 9/30/11																					
215	Construction	180 days	Mon 12/5/11	Fri 8/10/12																					
216																									
217	MSC-475 Rehabilitation of Above Ground Utilities	85 days	Mon 10/4/10	Fri 1/28/11	Eng	\$250,000	Construction underway.																		
218	Construction	85 days	Mon 10/4/10	Fri 1/28/11																					
219																									
220	WATER MAIN REPLACEMENT	505 days	Mon 10/5/09	Fri 9/9/11																					

SUBMITTED TO: Chairman Siersema and Members of the Commission

SUBMITTED BY: Travis K. Hopkins, PE, Director of Public Works

DATE: January 19, 2011

SUBJECT: Water Quality Report Update – Program Effectiveness Assessment

Analysis: The California Regional Water Quality Control Board Santa Ana Region (RWQCB) adopted NPDES Permit Order No. R8-2009-0030 on May 22, 2009. The County of Orange is the principal permittee along with 26 cities within Orange County as co-permittees to the National Pollutant Discharge Elimination System (NPDES) permit.

As part of the permit, each permittee is required to prepare a progress report, termed Program Effectiveness Assessment (PEA), on an annual basis.

The objectives of the PEA are to:

- Present a compilation of the programmatic implementation and validation data;
- Provide for annual data analyses by which the City and the Principal Permittee can, on a jurisdictional, watershed and/or countywide basis, assess program effectiveness;
- Ensure that the iterative evaluation and improvement process is applied on a jurisdictional, watershed and/or countywide level to each of the program elements; and
- Provide a mechanism for the City to identify and report modifications that have or will be made to their Drainage Area Management Plan (DAMP)/Local Implementation Plan (LIP).

Staff will provide an overview of the PEA at the Public Works Commission meeting.

SUBMITTED TO: Chairman Siersema and Members of the Commission

SUBMITTED BY: Travis K. Hopkins, PE, Director of Public Works

DATE: January 19, 2011

SUBJECT: Huntington Beach Central Park Sports Complex Field #8,
CC1348

Statement of Issue: Plans and specifications are in final preparation for the Huntington Beach Central Park Sports Complex Field #8 Project. Staff is seeking approval for the project and the initiation of the competitive bid process.

Funding Source: Funds for the project in the amount of \$360,500 are available in the Park Acquisition Development Fund as approved in the 2010/2011 Capital Improvement Program.

Impact on Future Maintenance Costs: This project will result in maintenance cost of approximately \$1,500 per month.

Recommended Action: Motion to recommend to the City Council, the Huntington Beach Central Park Sports Complex Field #8, CC1348.

Alternative Action(s): Deny support and recommend an alternate action.

Analysis: The approved original plans for the Huntington Beach Central Park Sports Complex proposed to construct a total of eight ball fields as part of the overall project. Since a portion of the park site was utilized by Hanson Material Company Inc., the Sports Complex was built with only seven ball fields. Portions of the eighth field – the back stop, dugouts and bleachers were also completed as part of the original project. The plan was to complete the eighth field once Hanson vacated the site. Improvements needed to complete the field include irrigation, installation of turf and in-field mix and one sports light pole.

In 2009, Hanson discontinued operations at the site and Hanson has since restored the site to pre-existing conditions. As a result, the City is now ready to proceed with the construction of the eighth field to include the mentioned improvements.

The Community Services Commission has reviewed and approved this project.

Attachments:

1. Project Location Map

