



## MINUTES

### CITY OF HUNTINGTON BEACH PUBLIC WORKS COMMISSION MARCH 17, 2021

**Call to Order/  
Pledge of Allegiance:** The meeting was called to order at 5:02 P.M. by Sean Crumby, who also led Commissioners and the audience in the Pledge of Allegiance to the Flag.

#### Roll Call

**Commissioners Absent:** Nguyen

**Commissioners Present:** Commissioners Cicerone, Ferlita, Gins, Michalski, Shepherd, and Tucker were in attendance.

**Others Present:** Sean Crumby, Director of Public Works  
Mark Lewis, Consultant  
Ken Dills, Administrative Services Manager  
Bob Stachelski, Transportation Manager  
Bill Janusz, Principal Civil Engineer  
Jo Claudio, Senior Civil Engineer  
Lili Hernandez, Senior Civil Engineer  
Anthony Evgan, Info Tech Mgr - Infrastructure  
Sarah Whitecotton, Senior Accounting Technician

#### PRESENTATIONS

None.

#### MINUTES

Motion by Commissioner Tucker, seconded by Commissioner Cicerone, to approve the minutes of February 17, 2021 as presented.

VOTE: The motion carried.  
AYES: 6  
NOES: 0  
ABSENT: 1 (Nguyen)  
ABSTENTIONS: 0

#### PUBLIC COMMENTS

None.

## **DIRECTOR'S ITEMS**

Announcement of the hiring of Chau Vu and Alvin Papa, both Deputy Directors of Public Works as well as others (see attached listing). Discussed Facility Improvement Study going forward with RFQ for upgrading various city facilities. A mobility update was requested by Commissioner Shepherd and is being assessed by Public Works staff as to how to implement more mobility through a Mobility Master Plan. This includes walkability, bikability, transit, as well as vehicular mobility. Commissioner Gins asked about ADA requirements for public projects and will meet with Sean at a later date.

## **INFORMATION ITEMS**

Tom Herbel presented the active Capital Improvement Projects Update (attached). Sean Crumby advised how Capital Improvement Projects are selected.

## **ADMINISTRATIVE ITEMS**

### **FY 2021/22 Capital Improvement Program (CIP)**

Item continued to April 21, 2021 meeting.

### **Fiber Optic Conduit and Cable Installation from City Hall to Pier Plaza**

Staff report presented by Bill Janusz. The Information Services Division of the Administrative Services Department, in consultation with the Public Works Department, identified the need to develop a fiber optic connection between City Hall and City facilities in the downtown area. With the installation of new fiber optic cable and conduit, Pier Plaza, the police substation on Fifth Street, the downtown library, art center and Lake Street fire station will have a direct fiber optic connection to City Hall. This project will improve connectivity between City Hall and City facilities in the downtown area. The need for these improvements is identified in the Fiber and Communications Master Plan.

Discussion was had regarding duplication of effort from existing utility companies and obsolescence of equipment. Sean Crumby confirmed that the City is moving in this direction following the data that is used to run the traffic signals. This fiber is being expanded to include facilities. What is installed is current technology and cost effective.

Motion by Gins and second by Ferlita the Commission voted to recommend to the City Council to approve the project for Fiber Optic Cable and Conduit Installation from City Hall to Pier Plaza and other City facilities in the Downtown area (CC-1621) and find that this project is in general conformance with the approved FY 2020/2021 Capital Improvement Program (CIP).

VOTE: The motion carried.  
AYES: 6  
NOES: 0  
ABSENT: 1 (Nguyen)  
ABSTENTIONS: 0

**Traffic Signal Modifications at Warner Avenue and Graham Street, Warner Avenue and Nichols Street, and at Brookhurst Street and Indianapolis Avenue, CC-1625, CC-1550, and CC-1548**

Staff report presented by Bill Janusz. Three intersections were identified in the 2020/2021 Capital Improvement Program (CIP) for modifications:

Warner Avenue and Graham Street

This intersection was identified for the installation of left turn arrows in all four directions as a safety and capacity improvement. The existing left turn arrows operating in the east-west direction on Warner Avenue will be modified as to only allow left turns on a green arrow. A protective-permissive left turn operation will be installed in the north-south direction for Graham Street.

Warner Avenue and Nichols Lane

The existing conduit and circuitry at this intersection is severely deteriorated and experiences a high frequency of maintenance issues. This project will replace conduits and rewire the intersection. Along with these improvements the east-west left turn phasing on Warner Avenue will be modified as to only allow left turns on a green arrow.

Brookhurst Street and Indianapolis Avenue

The existing conduit and circuitry at this intersection is severely deteriorated and experiences a high frequency of maintenance issues. This project will replace conduits and rewire the intersection. In addition there will be traffic signal head change outs and safety lighting improvements.

Motion by Gins and second by Tucker the Commission voted to recommend to the City Council the approval of the project for the traffic signal modifications at the intersections of Warner Avenue and Graham Street (CC-1625), Warner Avenue and Nichols Lane (CC-1550) and at Brookhurst Street and Indianapolis Avenue (CC-1548) and find that the project is in general conformance with the approved FY 2020/2021 Capital Improvement Program (CIP).

VOTE: The motion carried.  
AYES: 6  
NOES: 0  
ABSENT: 1 (Nguyen)  
ABSTENTIONS: 0

**Residential Alley Rehabilitation FY 20/21, CC-1617**

Staff report presented by Joe Claudio. The City hired a consultant to evaluate the condition of all publicly maintained alleys utilizing the same methodology in the City's adopted Pavement Management Program. The consultant determined that the subject alley, located north of Heil Avenue between Del Mar Lane and Graham Street, had a Pavement Condition Index (PCI) of 6. For reference purposes, PCI values ranging between 86 and 100 are considered to be in "Very Good" condition; whereas PCI values between 0 and 40 are considered to be in "Very Poor" condition. The project's scope of work will be to remove and replace the existing asphalt concrete pavement and concrete v-gutter, with ancillary work as necessary.

Factors driving up construction costs include the scope of the project being small, construction prices rising approximately 20%, as well as the 405 widening project taking up the majority of materials available in our area.

Motion by Ferlita and second by Gins the Commission voted to recommend to the City Council to approve the Residential Alley Rehabilitation FY 20/21, CC-1617 project is in general conformance with the previously approved Capital Improvement Program.

VOTE: The motion carried.  
AYES: 6  
NOES: 0  
ABSENT: 1 (Nguyen)  
ABSTENTIONS: 0

**McFadden Lift Station Project, CC-1610**

Staff report presented by Lili Hernandez. Public Works Engineering and Utilities Divisions are proposing to remove and replace the existing McFadden Sewer Lift Station. It is located at the southeast corner of McFadden Avenue and Dawson Lane constructed in 1972. The existing concrete box structure is experiencing structural failures due to immersion in high chloride groundwater environment. This project will also remove and replace approximately 1,300 LF of sewer pipeline located along McFadden Avenue and Dawson Lane. The new lift station will predominately be underground vaults that store and pump sanitary sewage to a higher elevation. The new station and pipeline will convey sewage into the City's gravity system along McFadden Avenue; and ultimately into Orange County Sanitation District facility located in Springdale Avenue south of McFadden Avenue. It will also include an emergency generator so the facility

will continue to function normally during an electrical power outage. The only above ground features will be the emergency generator, a transformer, and the electrical control cabinets.

Discussion ensued regarding notification of the residents during the project rollout and generator testing as well as the decision of the locations of the generator and lift station.

Motion by Cicerone and second by Tucker the Commission voted to recommend to the City Council the approval of the McFadden Lift Station, project CC-1610, and that it is in general conformance with the previously approved CIP.

VOTE: The motion carried.  
AYES: 6  
NOES: 0  
ABSENT: 1 (Nguyen)  
ABSTENTIONS: 0

## **COMMISSION AND STAFF COMMENTS**

Chairperson Michalski expressed his appreciation for the design and development of the projects. David Cicerone added that he liked Lil Hernandez's presentation and would like more visuals in future meetings, such as pictures of the deterioration of the alley.

## **ADJOURNMENT**

Motion made by Ferlita and second by Gins to adjourn at 6:30 p.m. until the next scheduled meeting on April 21, 2021 at 5:00 PM via Zoom or at the Utilities Yard as allowed.

VOTE: The motion carried.  
AYES: 6  
NOES: 0  
ABSENT: 1 (Nguyen)  
ABSTENTIONS: 0

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James Michalski  
Chairperson

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Kenneth Dills  
Administrative Services Manager

**Promotions:**

Cody Jahn – Fleet Operations Supervisor – 11/2020  
Justin Torres – Landscape Maintenance Supervisor – 11/2020  
Terry Tittle – Beach Operations Supervisor – 11/2020  
Greg Peters – Tree Maintenance Supervisor – 11/2020  
John Turner – Beach Maintenance Crewleader - 12/2020  
Rob Bonillas – Beach Maintenance Crewleader - 12/2020  
Max Olin – Civil Engineering Assistant – 12/2020  
Bob Milani – Principal Civil Engineer – 12/2020  
Jeff Slater – Street Maintenance Leadworker – 1/2021  
Chris Cassotta – Water Production Supervisor – 3/2021  
Jon Erickson – Water Quality Supervisor – 3/2021  
Frank Ramos – Street Maintenance Leadworker – 4/2021  
Teri Summers – Office Assistant II – 4/2021  
Carlina Thomas – Admin Analyst – 4/2021  
Caroline Richards – Office Assistant II – 4/2021

**Reclassifications:**

Ken Dills – Administrative Services Manager - 12/2020  
Denny Bacon – Operations Manager - 12/2020  
Rudy Ocampo – Water Distribution Superintendent - 12/2020

**New Hires:**

Keegan Olds – Associate Civil Engineer - 1/2021  
Chau Vu – Deputy Director of Public Works/ Engineering – 3/2021  
Alvin Papa – Deputy Director of Public Works/ Utilities – 3/2021  
Chris Tanio – Principal Civil Engineer – 3/2021  
Bryan Arnado – Utilities Technology Coordinator – 4/2021

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

Thu 3/11/21

ID	Task Name	Duration	Start	Finish	Budget	Comments	2021												
							M	A	M	J	J	A	S	O	N	D	J	F	M
1	ARTERIALS	799 days	Wed 4/1/20	Mon 4/24/23															
2	Arterial Rehab FY 20/21 Newland (Ellis-Talbert), Brookhurst (Garfield-Yorktown), Atlanta (Beach-Delaware), Garfield (Main-Delaware)	324 days	Wed 4/1/20	Mon 6/28/21	\$3,600,000	Construction													
3	Design	100 days	Wed 4/1/20	Tue 8/18/20															
4	Bidding/Award (3 Months)	60 days	Tue 8/25/20	Mon 11/16/20															
5	Construction	105 days	Tue 2/2/21	Mon 6/28/21															
6	Admiralty Bridge	620 days	Tue 12/8/20	Mon 4/24/23	\$3,500,000	Design													
7	Design	195 days	Tue 12/8/20	Mon 9/6/21															
8	Bidding/Award (3 Months)	60 days	Tue 9/7/21	Mon 11/29/21															
9	Construction	365 days	Tue 11/30/21	Mon 4/24/23															
10	NEIGHBORHOOD/LOCAL STREET	296 days	Mon 7/27/20	Mon 9/13/21															
11	Zone 3 - Residential Curb Ramps	215 days	Mon 7/27/20	Fri 5/21/21	\$2,600,000	Construction													
12	Design	60 days	Mon 7/27/20	Fri 10/16/20															
13	Bidding/Award (3 Months)	60 days	Mon 10/19/20	Fri 1/8/21															
14	Construction	80 days	Mon 2/1/21	Fri 5/21/21															
15	Zone 3 - Residential Overlay	244 days	Mon 9/14/20	Thu 8/19/21	\$3,100,000	Construction													
16	Design	104 days	Mon 9/14/20	Thu 2/4/21															
17	Bidding/Award (3 Months)	60 days	Fri 2/5/21	Thu 4/29/21															
18	Construction	80 days	Fri 4/30/21	Thu 8/19/21															
19	Alley Rehabilitation	260 days	Tue 9/15/20	Mon 9/13/21	\$300,000	Bidding													
20	Design	120 days	Tue 9/15/20	Mon 3/1/21															
21	Bidding/Award (3 Months)	60 days	Tue 3/2/21	Mon 5/24/21															
22	Construction	80 days	Tue 5/25/21	Mon 9/13/21															
23	TRANSPORTATION	1779 days?	Mon 3/2/15	Thu 12/23/21															
24	Utica Bicycle Blvd (Main to Beach)	879 days	Mon 7/9/18	Thu 11/18/21	\$550,000	Design													
25	Design	755 days	Mon 7/9/18	Fri 5/28/21															
26	Bidding/Award (3 Months)	60 days	Mon 5/31/21	Fri 8/20/21															
27	Construction	64 days	Mon 8/23/21	Thu 11/18/21															
28	Newland/ Slater, Goldenwest/Heil HSIP Projects	1545 days	Mon 3/2/15	Fri 1/29/21	\$748,000	Construction													
29	Design	240 days	Mon 3/2/15	Fri 1/29/16															
30	Obtain Caltrans E-76	425 days	Mon 5/8/17	Fri 12/21/18															
31	Bidding/Award (3 Months)	70 days	Mon 12/24/18	Fri 3/29/19															
32	Construction	240 days	Mon 3/2/20	Fri 1/29/21															
33	Brookhurst/Indianapolis, Warner/Nichols, Warner/Graham Traffic Signal Modifications	863 days	Tue 5/1/18	Thu 8/19/21	\$607,000	Design													
34	Design	739 days	Tue 5/1/18	Fri 2/26/21															
35	Bidding/Award (3 Months)	60 days	Mon 3/1/21	Fri 5/21/21															

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Thu 3/11/21

ID	Task Name	Duration	Start	Finish	Budget	Comments	2021												
							M	A	M	J	J	A	S	O	N	D	J	F	M
36	Construction	64 days	Mon 5/24/21	Thu 8/19/21															
37	<b>Downtown Street Lighting (Replace high voltage circuits) Orange Ave.</b>	<b>319 days</b>	<b>Mon 8/5/19</b>	<b>Thu 10/22/20</b>	\$592,000	Design													
38	Design	385 days	Mon 8/5/19	Fri 1/22/21															
39	Bidding/Award (3 Months)	60 days	Mon 1/25/21	Fri 4/16/21															
40	Construction	30 days	Mon 4/19/21	Fri 5/28/21															
41	<b>OCTA Traffic Signal Sync Projects (Edinger, Talbert, Warner)</b>	<b>319 days</b>	<b>Mon 8/5/19</b>	<b>Thu 10/22/20</b>	\$179,000	Design													
42	Design	500 days	Mon 8/5/19	Fri 7/2/21		OCTA													
43	Bidding/Award (3 Months)	60 days	Mon 7/5/21	Fri 9/24/21															
44	Construction	64 days	Mon 9/27/21	Thu 12/23/21															
45	<b>DRAINAGE &amp; WATER QUALITY</b>	<b>2008 days</b>	<b>Mon 11/2/15</b>	<b>Wed 7/12/23</b>															
46	<b>CC-1293 Heil Pump Station Rebuild/Relocation</b>	<b>2008 days</b>	<b>Mon 11/2/15</b>	<b>Wed 7/12/23</b>	\$1,950,000	Awaiting Grant													
47	Right-of-Way Acquisition	440 days	Mon 11/2/15	Fri 7/7/17															
48	Awating Grant	100 days	Thu 7/8/21	Wed 11/24/21															
49	Bidding/Award (3 Months)	60 days	Thu 11/25/21	Wed 2/16/22															
50	Construction	365 days	Thu 2/17/22	Wed 7/12/23															
51	<b>Slater Pump Station Roof Replacement</b>	<b>90 days</b>	<b>Thu 1/21/21</b>	<b>Wed 5/26/21</b>	\$205,000	Bidding													
52	Bidding/Award (3 Months)	30 days	Thu 1/21/21	Wed 3/3/21															
53	Construction	60 days	Thu 3/4/21	Wed 5/26/21															
54	<b>FACILITIES</b>	<b>1210 days</b>	<b>Mon 4/9/18</b>	<b>Fri 11/25/22</b>															
55	<b>Police Building Modernization Project</b>	<b>1190 days</b>	<b>Mon 5/7/18</b>	<b>Fri 11/25/22</b>	\$20,000,000	Design													
56	Design	920 days	Mon 5/7/18	Fri 11/12/21		On Hold													
57	Construction	270 days	Mon 11/15/21	Fri 11/25/22															
58	<b>Heil Fire Station Apparatus Entry Modification</b>	<b>753 days</b>	<b>Mon 4/9/18</b>	<b>Wed 2/24/21</b>	\$125,000	Construction													
59	Design	344 days	Mon 4/9/18	Thu 8/1/19															
60	Bidding/Award (3 Months)	60 days	Mon 8/3/20	Fri 10/23/20															
61	Construction	88 days	Mon 10/26/20	Wed 2/24/21															
62	<b>Lake Fire Station Renovation</b>	<b>751 days</b>	<b>Wed 12/19/18</b>	<b>Wed 11/3/21</b>	\$1,500,000	On Hold													
63	Design	603 days	Wed 12/19/18	Fri 4/9/21															
64	Bidding/Award	60 days	Mon 4/12/21	Fri 7/2/21															
65	Construction	88 days	Mon 7/5/21	Wed 11/3/21															
66	<b>Fiber Expansion Project (Murdy/Utility Yard)</b>	<b>238 days</b>	<b>Tue 10/22/19</b>	<b>Thu 9/17/20</b>	\$765,000	Construction													
67	Design	285 days	Tue 10/22/19	Mon 11/23/20															
68	Bidding/Award (3 Months)	60 days	Tue 11/24/20	Mon 2/15/21															
69	Construction	88 days	Tue 2/16/21	Thu 6/17/21															



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

**Thu 3/11/21**

ID	Task Name	Duration	Start	Finish	Budget	Comments	2021												
							M	A	M	J	J	A	S	O	N	D	J	F	M
70	<b>PD Substation Renovation</b>	<b>183 days</b>	<b>Mon 1/4/21</b>	<b>Wed 9/15/21</b>	\$300,000	Construction													
71	Design	50 days	Mon 1/4/21	Fri 3/12/21															
72	Bidding	45 days	Mon 3/15/21	Fri 5/14/21															
73	Construction	88 days	Mon 5/17/21	Wed 9/15/21															
74	<b>Central Library Tabby Theater Renovation</b>	<b>187 days</b>	<b>Mon 10/5/20</b>	<b>Tue 6/22/21</b>	\$100,000	Purchasing													
75	Design	45 days	Mon 10/5/20	Fri 12/4/20															
76	Bidding	30 days	Fri 1/8/21	Thu 2/18/21															
77	Construction	88 days	Fri 2/19/21	Tue 6/22/21															
78	<b>Central Library Alarm System Upgrade</b>	<b>163 days</b>	<b>Mon 10/5/20</b>	<b>Wed 5/19/21</b>	\$140,000	Construction													
79	Design	45 days	Mon 10/5/20	Fri 12/4/20															
80	Bidding	30 days	Mon 12/7/20	Fri 1/15/21															
81	Construction	88 days	Mon 1/18/21	Wed 5/19/21															
82	<b>Central Library Meeting Room Renovation</b>	<b>163 days</b>	<b>Mon 10/5/20</b>	<b>Wed 5/19/21</b>	\$140,000	Construction													
83	Design	45 days	Mon 10/5/20	Fri 12/4/20															
84	Bidding	30 days	Mon 12/7/20	Fri 1/15/21															
85	Construction	88 days	Mon 1/18/21	Wed 5/19/21															
86	<b>Central Library Fountain Restoration</b>	<b>319 days</b>	<b>Tue 2/9/21</b>	<b>Fri 4/29/22</b>	\$560,000	Design													
87	Design	169 days	Tue 2/9/21	Fri 10/1/21															
88	Bidding/Award (3 Months)	60 days	Mon 10/4/21	Fri 12/24/21															
89	Construction	90 days	Mon 12/27/21	Fri 4/29/22															
90	<b>City Gym &amp; Pool Facility Improvements</b>	<b>163 days</b>	<b>Tue 9/1/20</b>	<b>Thu 4/15/21</b>	\$220,000	Completed													
91	Design	30 days	Tue 9/1/20	Mon 10/12/20															
92	Bidding	45 days	Tue 10/13/20	Mon 12/14/20															
93	Construction	88 days	Tue 12/15/20	Thu 4/15/21															
94	<b>Nowland House Museum Fencing</b>	<b>105 days</b>	<b>Tue 9/1/20</b>	<b>Mon 1/25/21</b>	\$115,000	Completed													
98	<b>Harbour View Clubhouse Improvements</b>	<b>259 days</b>	<b>Mon 1/11/21</b>	<b>Thu 1/6/22</b>	\$550,000	Design													
99	Design	124 days	Mon 1/11/21	Thu 7/1/21															
100	Bidding	45 days	Fri 7/2/21	Thu 9/2/21															
101	Construction	90 days	Fri 9/3/21	Thu 1/6/22															
102	<b>Rodgers Sr. Center Redevelopment</b>	<b>310 days</b>	<b>Tue 9/1/20</b>	<b>Mon 11/8/21</b>	\$560,000	Design													
103	Design	160 days	Tue 9/1/20	Mon 4/12/21															
104	Bidding/Award (3 Months)	60 days	Tue 4/13/21	Mon 7/5/21															
105	Construction	90 days	Tue 7/6/21	Mon 11/8/21															
106	<b>City Hall Fire Alarm</b>	<b>165 days</b>	<b>Mon 11/9/20</b>	<b>Fri 6/25/21</b>	\$235,000	Construction													
107	Design	30 days	Mon 11/9/20	Fri 12/18/20															

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

Thu 3/11/21

ID	Task Name	Duration	Start	Finish	Budget	Comments	2021												
							M	A	M	J	J	A	S	O	N	D	J	F	M
108	Bidding	45 days	Mon 12/21/20	Fri 2/19/21															
109	Construction	90 days	Mon 2/22/21	Fri 6/25/21															
110	<b>City Hall Pump Replacement</b>	<b>165 days</b>	<b>Mon 1/4/21</b>	<b>Fri 8/20/21</b>	\$235,000	Design													
111	Design	30 days	Mon 1/4/21	Fri 2/12/21															
112	Bidding	45 days	Mon 2/15/21	Fri 4/16/21															
113	Construction	90 days	Mon 4/19/21	Fri 8/20/21															
114	<b>Fiber Expansion Project (Downtown)</b>	<b>270 days</b>	<b>Mon 9/7/20</b>	<b>Fri 9/17/21</b>	\$560,000	Design													
115	Design	120 days	Mon 9/7/20	Fri 2/19/21															
116	Bidding/Award (3 Months)	60 days	Mon 2/22/21	Fri 5/14/21															
117	Construction	90 days	Mon 5/17/21	Fri 9/17/21															
118	<b>PARKS &amp; BEACHES</b>	<b>816 days?</b>	<b>Mon 10/1/18</b>	<b>Mon 11/15/21</b>															
119	<b>Edison CC Bldg Improvements</b>	<b>641 days</b>	<b>Mon 10/1/18</b>	<b>Mon 3/15/21</b>	\$1,000,000	Construction													
120	Design	493 days	Mon 10/1/18	Wed 8/19/20															
121	Bidding/Award (3 Months)	60 days	Thu 8/20/20	Wed 11/11/20															
122	Construction	88 days	Thu 11/12/20	Mon 3/15/21															
123	<b>Blufftop Park Improvements</b>	<b>540 days</b>	<b>Tue 10/22/19</b>	<b>Mon 11/15/21</b>	\$4,000,000	Design													
124	Design	360 days	Tue 10/22/19	Mon 3/8/21															
125	Bidding/Award (3 Months)	60 days	Tue 3/9/21	Mon 5/31/21															
126	Construction	120 days	Tue 6/1/21	Mon 11/15/21															
127	<b>Central Park Group Picnic Area</b>	<b>45 days</b>	<b>Mon 1/18/21</b>	<b>Fri 3/19/21</b>	\$280,000	Purchasing													
128	Construction	45 days	Mon 1/18/21	Fri 3/19/21															
129	<del>Central Park Restrooms (FY 19/20)</del>	<del>285 days</del>	<del>Tue 7/9/19</del>	<del>Mon 8/10/20</del>	<del>\$800,000</del>	<del>Completed</del>													
133	<b>Central Park Restrooms (FY 20/21)</b>	<b>250 days</b>	<b>Mon 2/3/20</b>	<b>Fri 1/15/21</b>	\$800,000	Bidding													
134	Design	281 days	Mon 2/3/20	Mon 3/1/21															
135	Bidding/Award (3 Months)	60 days	Tue 3/2/21	Mon 5/24/21															
136	Construction	120 days	Tue 5/25/21	Mon 11/8/21															
137	<b>Lake Park Improvements</b>	<b>285 days</b>	<b>Tue 7/9/19</b>	<b>Mon 8/10/20</b>	\$600,000	Design													
138	Design	253 days	Mon 3/23/20	Wed 3/10/21															
139	Bidding/Award (3 Months)	60 days	Thu 3/11/21	Wed 6/2/21															
140	Construction	45 days	Thu 6/3/21	Wed 8/4/21															
141	<b>Playground Equipment Improvements (Incl. Lebard/Schroeder)</b>	<b>120 days</b>	<b>Tue 12/15/20</b>	<b>Mon 5/31/21</b>	\$1,120,000	Purchasing													
142	Construction	120 days	Mon 1/4/21	Fri 6/18/21															
143	<b>Beach Shower and Water Fountain Replacement</b>	<b>90 days</b>	<b>Fri 1/1/21</b>	<b>Thu 5/6/21</b>	\$100,000	Construction													
144	Construction	90 days	Mon 2/1/21	Fri 6/4/21															
145	<b>SEWER</b>	<b>1111 day...</b>	<b>Fri 1/12/18</b>	<b>Fri 4/15/22</b>															
146	<b>Slater Lift Station</b>	<b>958 days</b>	<b>Fri 1/12/18</b>	<b>Tue 9/14/21</b>	\$3,500,000	Construction													
147	Design	325 days	Fri 1/12/18	Thu 4/11/19															
148	Bidding/Award (3 Months)	60 days	Tue 12/31/19	Mon 3/23/20															

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

Thu 3/11/21

ID	Task Name	Duration	Start	Finish	Budget	Comments	2021												
							M	A	M	J	J	A	S	O	N	D	J	F	M
149	Construction	222 days	Mon 11/9/20	Tue 9/14/21															
150	<b>Saybrook Lift Station</b>	<b>546 days</b>	<b>Tue 6/4/19</b>	<b>Tue 7/6/21</b>	\$3,500,000	Construction													
151	Design	195 days	Tue 6/4/19	Mon 3/2/20															
152	Bidding/Award (3 Months)	60 days	Tue 3/17/20	Mon 6/8/20															
153	Construction	222 days	Mon 8/31/20	Tue 7/6/21															
154	<b>McFadden Lift Station</b>	<b>487 days</b>	<b>Thu 6/4/20</b>	<b>Fri 4/15/22</b>	\$3,400,000	Design													
155	Design	195 days	Thu 6/4/20	Wed 3/3/21															
156	Bidding/Award (3 Months)	60 days	Thu 3/18/21	Wed 6/9/21															
157	Construction	222 days	Thu 6/10/21	Fri 4/15/22															
158	<b>Sewer Lining</b>	<b>0 days</b>	<b>Tue 12/1/20</b>	<b>Tue 12/1/20</b>	\$3,400,000	Bidding													
159	Design	60 days	Thu 12/3/20	Wed 2/24/21															
160	Bidding/Award (3 Months)	60 days	Wed 3/3/21	Tue 5/25/21															
161	Construction	90 days	Wed 5/26/21	Tue 9/28/21															
162	<b>WATER</b>	<b>569 days</b>	<b>Tue 6/11/19</b>	<b>Fri 8/13/21</b>															
163	<b>Water Main Replacement Project (Sunset Beach)</b>	<b>454 days</b>	<b>Tue 6/11/19</b>	<b>Fri 3/5/21</b>	\$2,200,000	Construction													
164	Design	190 days	Tue 6/11/19	Mon 3/2/20															
165	Bidding/Award (3 Months)	45 days	Tue 3/17/20	Mon 5/18/20															
166	Construction	129 days	Tue 9/8/20	Fri 3/5/21															
167	<b>Reservoir Security Improvements</b>	<b>241 days</b>	<b>Fri 7/31/20</b>	<b>Fri 7/2/21</b>	\$675,000	Design													
168	Design	90 days	Fri 7/31/20	Thu 12/3/20															
169	Bidding/Award (3 Months)	60 days	Mon 3/1/21	Fri 5/21/21															
170	Construction	30 days	Mon 5/24/21	Fri 7/2/21															
171	<b>Water Distribution Cathodic Protection (In-House)</b>	<b>200 days</b>	<b>Wed 9/16/20</b>	<b>Tue 6/22/21</b>	\$375,000	Construction													
172	Construction	200 days	Wed 9/16/20	Tue 6/22/21															
173	<del>Well 9 Improvements</del>	<del>136 days</del>	<del>Fri 7/31/20</del>	<del>Fri 2/5/21</del>	<del>\$240,000</del>	Completed													
174	Design	90 days	Fri 7/31/20	Thu 12/3/20															
175	Construction	30 days	Mon 12/28/20	Fri 2/5/21															
176	<b>Water Valve Replacement (In-House)</b>	<b>200 days</b>	<b>Wed 9/16/20</b>	<b>Tue 6/22/21</b>	\$240,000	Construction													
177	Construction	200 days	Wed 9/16/20	Tue 6/22/21															
178	<b>Water Main Replacement Project</b>	<b>270 days</b>	<b>Mon 8/3/20</b>	<b>Fri 8/13/21</b>	\$1,250,000	Bidding													
179	Design	138 days	Mon 8/3/20	Wed 2/10/21															
180	Bidding/Award (3 Months)	60 days	Mon 3/1/21	Fri 5/21/21															
181	Construction	60 days	Mon 5/24/21	Fri 8/13/21															