



Riverside Water Quality Control Plant – Flood Control Levee Rehabilitation Project

Public Works Department

City Council
July 25, 2017

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BACKGROUND

1. The Riverside Water Quality Control Plant (RWQCP) has been providing wastewater treatment since 1942.
2. Until 1980's flood protection was provided by an earthen dike and partial levee.
3. Early 1980's a full levee was completed to protect against the 100-year storm event. The Santa Ana Recreation trail was constructed.



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BACKGROUND

4. In 2005, the Federal Emergency Management Agency (FEMA) modified levee requirements (Hurricane Katrina).
5. In 2011, an engineering analysis was performed on the levee which showed it does not meet the new requirements.
6. New FEMA requirements were included in the RWQCP permit to operate by the Santa Ana Regional Water Quality Control Board.



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FLOOD CONTROL LEVEE REHABILITATION PROJECT

1. In January 2014, Tetra Tech was retained to assist with the design, project environmental review, permitting and bid specifications.
2. Levee will be raised from 0 to 6 feet with a varying concrete floodwall height for about 2,050 linear feet.
3. New asphalt paving for bike path, fencing and perimeter lighting for security of the RWQCP.
4. March 13, 2017, Utility Services/Land Use/Energy Development Committee review.



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FLOOD CONTROL LEVEE REHABILITATION PROJECT

5. March 1, 2017, Transportation Board review.
6. February 13, 2017, Bicycle Advisory Committee review.
7. Permits required; City Construction Permit and Santa Ana Regional Water Quality Control Board construction Permit.
8. Environmental Initial Study and Mitigated Negative Declaration completed.



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CONSTRUCTION

1. Advertise for construction bid on May 5, 2017 - Received six (6) bids.
2. Apparent lowest responsible & responsive bidder is Hal Hays Construction, Inc., of Riverside, in the amount of \$3,194,063.
3. Total project construction cost is estimated to be \$3,700,000.
4. Project funded in the Capital Improvement Program.
5. Anticipated constructed period from August 2017 to November 2017.



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EXISTING LEVEE WITH BIKE PATH



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LIMITS OF LEVEE CONSTRUCTION



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BIKE PATH DETOUR PLAN



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RECOMMENDATION

1. Find that the proposed project will not have a significant effect on the environment based on the mitigated measures set forth in the case records and adopt a Mitigated Negative Declaration pursuant to California Environmental Act (CEQA); and
2. Award a construction contract to Hal Hays Construction, Inc., of Riverside, in the amount of \$3,194,063; and
3. Authorize the City Manager, or his designee, to execute the construction contract with Hal Hays Construction, Inc.

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