

**2024 Progress Report to the 2021 Orange County & Orange County Fire Authority Hazard Mitigation Plan (FEMA approval December 2021)**

| 2021 Plan Project Number | Mitigation Action Item   | Coordinating Organization  | Status  |
|--------------------------|--|----------------------------|---|
| OCPW1                    | Santa Ana River Channel Project - Design and Construction of Flood Control Improvements                                  | Orange County Public Works | <b>Ongoing</b> - OCFCD, as the local sponsor for the Prado Dam Project, continues work to acquire lands, easements, rights-of-way, etc., and to relocate impacted utilities, to enable construction of the SAR Mainstem Project. The draft Engineering Documentation Report (EDR) for Santiago Creek (part of the original authorized project) is scheduled to be completed in July/August 2024. Dredging of the Santa Ana River near the ocean outlet is planned for the future. |
| OCPW2                    | East Garden Grove-Wintersburg Channel (Facility No. C05) Project - Design and Construction of Flood Control Improvements | Orange County Public Works | <b>Ongoing</b> - Four project reaches within the Flood Control Capital Improvement Program are undergoing various stages of study or design. The reach from Warner to Goldenwest was completed in 2023. The bridges at Warner, Springdale, and Edwards began construction in September 2023. These reaches were part of the major feasibility study completed in 2020 by OCFCD and USACE. OCPW actively seeks federal appropriations and grant funding.                           |

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| <b>OCPW3</b>             | San Juan Creek Channel (Facility No. L01) Project - Design and Construction of Flood Control Improvements               | Orange County Public Works | <b>Ongoing</b> - Improvements to the reaches between the ocean outlet and upstream of the Trabuco Creek Channel confluence, and the reach from upstream of Trabuco Creek Channel confluence to downstream of the I-5 freeway are planned for the future. |
| <b>OCPW4</b>             | Trabuco Creek Channel (Facility No. L02) Project - Design and Construction of Flood Control Improvements                | Orange County Public Works | <b>Ongoing</b> - Improvements to the reaches between the San Juan Creek confluence and 2,300 feet upstream of Del Obispo are planned for the future.   |
| <b>OCPW5</b>             | Westminster Channel (Facility No. C04) Project - Design and Construction of Flood Control Improvements                  | Orange County Public Works | <b>Ongoing</b> - Facility reaches were part of the major feasibility study completed in 2020 by OCFCD and USACE. OCPW actively seeks federal appropriations and grant funding.   |
| <b>OCPW6</b>             | Santa Ana-Delhi Channel (Facility No. F01) Project, Lower Reach - Design and Construction of Flood Control Improvements | Orange County Public Works | <b>Ongoing</b> – Design of the lower reach, including the bridge to Mesa Drive, is ongoing. Design is anticipated to be completed in December 2024, with construction proposed to begin in April 2025.   |

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| <b>OCPW7</b>             | Oceanview Channel (Facility No. C06) Project - Design and Construction of Flood Control Improvements    | Orange County Public Works | <p><b>Completed</b> - USACE completed improvements and repairs to one reach. OCPW also contributed to an ongoing project as part of the I-405 widening project by OCTA.</p> <p><b>Ongoing</b> - Facility reaches were part of the major feasibility study completed in 2020 by OCFCO and USACE. OCPW actively seeks federal appropriations and grant funding.</p> |
| <b>OCPW8</b>             | Lane Channel (Facility No. F08) Project - Design and Construction of Flood Control Improvements         | Orange County Public Works | <b>Ongoing</b> - Improvements to the reach from the San Diego Creek confluence to Redhill are planned for the future.   |
| <b>OCPW9</b>             | Carbon Creek Channel (Facility No. B01) Project - Design and Construction of Flood Control Improvements | Orange County Public Works | <b>Ongoing</b> - A complex system-wide facility study was completed in December 2022 to determine ultimate improvements. Recommended concepts will be applied to project reaches from upstream of Gilbert Street to Euclid Street and other future project reaches.   |
| <b>OCPW10</b>            | Brea Creek Channel (Facility No. A02) Project - Design and Construction of Flood Control Improvements   | Orange County Public Works | <b>Ongoing</b> –Improvements to the channel are planned for the future.   |

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| <b>OCPW11</b>            | Fullerton Creek Channel (Facility No. A03) Project - Design and Construction of Flood Control Improvements   | Orange County Public Works | <p><b>Completed</b> - The reach from Western Avenue to downstream of Beach Blvd was completed in 2019. The reach from Beach Blvd. to I-5 Freeway was completed in 2021.</p> <p><b>Ongoing</b> – Improvements to the reach from I-5 Fwy to Dale Avenue are planned for the future.</p> |
| <b>OCPW12</b>            | Santa Ana-Santa Fe (Facility No. F10) Project - Design and Construction of Flood Control Improvements        | Orange County Public Works | <b>Ongoing</b> - Improvements to the reach from the confluence with Peters Canyon Channel to Newport Avenue are planned for the future.   |
| <b>OCPW13</b>            | Santa Ana Gardens Channel (Facility No. F02) Project - Design and Construction of Flood Control Improvements | Orange County Public Works | <b>Ongoing</b> - Improvements to the reach from downstream of Alton Avenue to Segerstrom Avenue are planned for the future.   |
| <b>OCPW14</b>            | Bolsa Chica Channel (Facility No. C02) Project - Design and Construction of Flood Control Improvements       | Orange County Public Works | <b>Ongoing</b> - Maintenance repairs were completed for the reach between Westminster Avenue and the 22 Freeway in 2020. Improvements to other reaches are planned for the future.  |

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| <b>OCPW15</b>            | Peters Canyon Channel (Facility No. F06) Project - Design and Construction of Flood Control Improvements   | Orange County Public Works | <p><b>Completed</b> - The City of Tustin constructed the reach from Warner Ave. to Edinger Ave, and the project was completed in 2020.</p> <p><b>Ongoing</b> – Improvements to the reach from San Diego Creek confluence to downstream of Barranca Parkway are planned for the future.</p>                     |
| <b>OCPW16</b>            | Laguna Canyon Channel (Facility No. I02) Project - Design and Construction of Flood Control Improvements   | Orange County Public Works | <p><b>Completed</b> - The major repair project for the reach from Laguna Canyon Frontage Road to Woodland Drive that failed in the 2/14/19 storm event, was completed in October 2023.</p>   |
| <b>OCPW17</b>            | Huntington Beach Channel (Facility No. D01) and Talbert Channel (Facility No. D02) Project - Design and Construction of Flood Control Improvements | Orange County Public Works | <p><b>Completed</b> - The rehabilitation project addressed corroded steel sheet pile channel walls with less than 10-year remaining service life so that the system can continue to provide the needed flood protection and for FEMA levee re-accreditation. Project construction was completed July 2023.</p> |
| <b>OCPW18</b>            | Houston Storm Channel (Facility No. A03S02) Project - Design and Construction of Flood Control Improvements  | Orange County Public Works | <p><b>Ongoing</b> - Improvements to the reach from the Fullerton Creek Channel confluence to 100 feet upstream of Brookhurst Street are planned for the future.</p>  |

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| <b>OCPW19</b>            | Gisler Storm Channel (Facility No. D03S03) Project - Design and Construction of Flood Control Improvements | Orange County Public Works | <b>Ongoing</b> - Improvements to the reach from Fairview Road to 400 feet upstream of Fairview Road are planned for the future. |
| <b>OCPW20</b>            | Paularino Channel (Facility No. F03) Project - Design and Construction of Flood Control Improvements       | Orange County Public Works | Project was removed from the flood control CIP due to limited flood control improvements proposed.                              |