

UPDATE ON VARIOUS STORM DRAIN CAPITAL IMPROVEMENT PROJECTS

Public Works Department

Mobility and Infrastructure Committee Meeting
June 12, 2025

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BACKGROUND

- Residents have reported flooding concerns throughout the City, especially in its southwest sector
- The Public Works Department actively pursues funding from the Riverside County Flood Control District and Water Conservation District (RCFC) to design and construct storm drain infrastructure improvements throughout the city to improve quality of life.
- In 2020, Public Works completed the construction of Master Drainage Plan Line E, Stages 2 and 3, Line E-2 and E-5 along Gratton Street.
- Currently, Public Works has four projects in various phases:
 - Box Spring MDP Line D, Stage 1
 - Southwest Riverside MDP Line E-1, Stage 1
 - Monroe MDP, Monroe Storm Drain, Stage 5
 - Master Drainage Plan for the Northside Specific Plan Area



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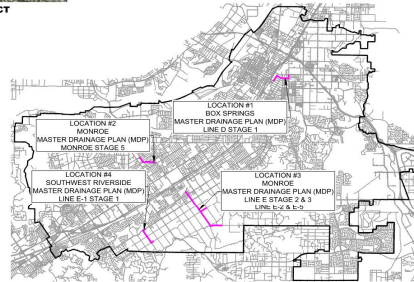
LOCATION MAP



MONROE MDP STAGE 5 PROJECT



BOX SPRINGS MDP LINE D PROJECT



VARIOUS STORM DRAIN CAPITAL IMPROVEMENT PROJECTS
LOCATION MAP



SW RIVERSIDE MDP LINE E-1 PROJECT



MONROE MDP LINE E PROJECT



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PRIOR SUCCESS STORIES



DUFFERIN AVENUE/ADAM STREET



DUFFERIN AVENUE/GRATTON STREET



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PRIOR SUCCESS STORIES



HERMOSA DRIVE



GRATTON STREET/LINCOLN STREET

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DISCUSSION

Box Springs Master Drainage Plan Line D, Stage 1

- Box Springs MDP Line D will be an extension of the 3rd Street grade separation project which will divert potential flow that will be created by the new grade separation project.
- The Project will install approximately 4,300 linear feet of underground storm drain pipes within the public right-of-way in Kansas Avenue, Fourth Street, and Commerce Street.
- The Project design is nearing completion with construction anticipated to start in early 2026.

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DISCUSSION

Southwest Riverside Master Drainage Plan Line E-1, Stage 1

- This Project will provide a permanent conveyance system within the public right of way aimed at alleviating flooding conditions that have impacted numerous residents in the Arlington Heights neighborhood.
- The Project will install approximately 4,200 linear feet of underground storm drain pipes and ancillary structures to improve drainage and flood protection along Dufferin Avenue, John Street, and Victoria Avenue.
- The project is currently in the design phase with construction anticipated to begin in summer of 2026.



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SOUTHWEST RIVERSIDE MDP



GRATTON STREET



GRATTON STREET/LINCOLN STREET

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SOUTHWEST RIVERSIDE MDP



DUFFERIN AVENUE/ADAMS STREET



VICTORIA AVENUE

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SOUTHWEST RIVERSIDE MDP



DUFFERIN AVENUE



VICTORIA AVENUE/JOHN STREET

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- The Project will remove approximately 3,400 linear feet of existing concrete lined open channel and replace it with a reinforced concrete box along Monticello Avenue between California Avenue and Colorado Avenue.
- Project will include new landscaping and decorative pathway over the new reinforced concrete box.
- Project design is anticipated to be complete by end of 2026 with construction to begin in summer of 2027.

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DISCUSSION

Master Drainage Plan, Northside Specific Plan Area

- The Draft Northside Master Drainage Plan contains detailed hydrology and hydraulics analyses and assesses existing drainage issues to develop feasible capital improvement projects to provide adequate flood protection within the Northside Specific Plan Area.
- This drainage study is in support of the Northside Specific Plan.
- The Drainage plan will provide analysis for three major regional facilities – Highgrove Channel, Springbrook Wash and University Wash
- The drainage study is currently in progress and is anticipated to be completed by Summer 2025.



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STRATEGIC PLAN ALIGNMENT

Strategic Priority No. 6 Infrastructure, Mobility and Connectivity

Goal No. 6.2 – Maintain, protect, and improve assets and infrastructure within the City's built environment to ensure and enhance reliability, resiliency, sustainability, and facilitate connectivity.

Goal No. 6.3 – Identify and pursue new and unique funding opportunities to develop, operate, maintain, and renew infrastructure and programs that meet the community's needs.

Cross-Cutting Threads



Community Trust



Fiscal Responsibility



Sustainability & Resiliency



Equity



Innovation



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RECOMMENDATIONS

That the Mobility and Infrastructure Committee receive and file updates on various Citywide Storm Drain Capital Improvement Projects.



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