



City of Moreno Valley  
 Department of Public Works – Capital Projects Division  
**TOP 10 CITYWIDE STORM DRAIN IMPROVEMENT PROJECTS**  
 (Updated April 9, 2015)

Priority	Storm Drain Name/ Location	Limits	Master Drainage Plan	Drainage/Flooding Issues	Estimated Project Cost	Available Funding	Estimated Funding Shortfall & Potential Future Funding
No. 1	Line B, Heacock Street Channel (Under Design)	Cactus Avenue to Mariposa Avenue	Sunnymead MDP	<ul style="list-style-type: none"> <li>• Frequent flooding</li> <li>• Approx. 40 homes flooded</li> <li>• Heacock St (arterial) and local streets flooded, street closures</li> <li>• Disruption of public and emergency services</li> <li>• Underground utilities damaged</li> </ul>	\$18,000,000	<p>\$1,300,000 for design phase (\$1,250,000 from Sunnymead MDP and \$50,000 from Gas Tax for design and environment)</p> <p>\$150,000 from Air Force for design phase</p> <p>\$8,000,000 from RCFC &amp; WCD potentially in FY 15/16)</p> <p>\$7,000,000 Potentially from Air Force in FY15/16)</p>	<p>Environmental mitigation costs not accounted for in the costs.</p> <p>(Possibly from March JPA, MARB/Air Force, RCFC &amp; WCD, and City transportation funds, etc.)</p>



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No. 2	Lines F-1 and F-2 in Moreno Townsite Area (Under Design)	Redlands Boulevard: From Alessandro Boulevard to Line F channel	Moreno MDP	<ul style="list-style-type: none"> <li>•Frequent flooding</li> <li>•Approx. 20 homes got flooded and 40 got affected by flooding</li> <li>•Redlands Blvd, Alessandro Blvd, Kimberly Ave, Maltby Ave and Campbell Ave got flooded with street closures</li> <li>•Disruption of public and emergency services</li> <li>•Underground utilities damaged</li> </ul>	\$3,500,000	\$3,500,000	\$0
No. 3	Lines K-1 and K-4 in San Timoteo Foothill Neighborhood (Under Design)	<ul style="list-style-type: none"> <li>• Pettit St.: from 700 feet north of Juniper Avenue to Kalmia Ave</li> <li>• Kalmia Ave: Pettit St to Carrie Ln</li> <li>• Carrie Ln: Kalmia Ave to Locust Ave</li> <li>• Locust Ave: from Carrie Ln to Bonnie View Ave</li> </ul>	Moreno MDP	<ul style="list-style-type: none"> <li>• Frequent flooding</li> <li>• Approx. 3 homes/ structures got flooded</li> <li>• Locust Ave, Carrie Ln, Kalmia Ave and Pettit St got flooded</li> <li>• Disruption of public and emergency services, school bus services</li> <li>• Underground utilities damaged</li> </ul>	\$2,000,000	\$2,000,000	\$0
No. 4	Line A-1	Perris Boulevard from PVSD Lateral "A" to north of Suburban Lane	Sunnymead MDP	<ul style="list-style-type: none"> <li>• Existing drainage system is undersized and cannot provide the ultimate drainage capacity</li> <li>• Flooding of vacant lands</li> </ul>	\$550,000	\$0	\$550,000  (Possibly from Perris Valley MDP fees)



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No. 5	East Sunnymead Boulevard (Under Design)	From Indian Street to SR-60/Perris Boulevard Eastbound Off-ramp	Within Sunnymead MDP but may not be eligible to receive MDP fees due to not being identified as master drainage plan line.	<ul style="list-style-type: none"> <li>• Flooding of Sunnymead Blvd. and Indian Street with partial traffic lane closures</li> <li>• Flooding of private properties and businesses</li> <li>• Disruption of public and emergency services</li> </ul>	\$800,000	\$800,000  (From CDBG funding)	\$0
No. 6	<u>No. 6A</u>	Hemlock Avenue from Graham Street to future Line F between Graham Street and Pigeon Pass Road	Within Sunnymead MDP but may not be eligible to receive MDP fees due to not being identified as master drainage plan lines.	<ul style="list-style-type: none"> <li>• Flooding of Hemlock Avenue and Graham Street with partial traffic lane closures</li> <li>• Flooding of private properties</li> <li>• Disruption of public and emergency services</li> </ul>	\$1,400,000	\$0	\$1,400,000  (Possibly from CDBG Funding, City's Measure A, or other Grants)
	<u>No. 6B</u>	Crossing SR-60 and Sunnymead Boulevard (between Graham Street and Frederick Street), from Hemlock Avenue to south of Sunnymead Boulevard	Sunnymead MDP	<ul style="list-style-type: none"> <li>• Undersized pipe crossing Sunnymead Blvd. that cannot provide ultimate drainage capacity</li> <li>• Flooding of Sunnymead Blvd. with partial traffic lane closures</li> <li>• Flooding of business/private properties along Sunnymead Blvd.</li> <li>• Disruption of public and emergency services</li> </ul>	\$4,600,000	\$0	\$4,600,000  (Possibly \$2,500,000 from FEMA's HMGP grant funding, \$2,100,000 from City's Measure "A" as matching funds, or other funding sources)
	Line F (Under Design)	This storm drain is downstream of the <u>No. 8A</u> storm drain above.		<i>Total for No.8 =</i>	<i>\$6,000,000</i>	<i>\$0</i>	<i>\$6,000,000</i>



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No. 7	Line B-1	Perris Boulevard from Perris Valley Storm Drain Lateral B to its terminus in Perris Boulevard near San Michele Road.	Perris Valley MDP	<ul style="list-style-type: none"> <li>The lack of storm drain improvements resulted in flooding in the area.</li> <li>Flooding of public roads and private properties and lands</li> </ul>	\$900,000	\$0	\$900,000  (Possibly from Perris Valley MDP fees, grant funds, or developer build)
No. 8	Line B-14 (Under Construction)	Perris Boulevard from Kalmia Avenue to north of Luxury Street	Sunnymead MDP	<ul style="list-style-type: none"> <li>The lack of storm drain improvements resulted in flooding in the area.</li> <li>Flooding of public roads and private properties and lands</li> </ul>	\$490,000	\$490,000	
No. 9	Line H 1-A	Hubbard Street from Ironwood to Northerly Terminus	Sunnymead MDP	<ul style="list-style-type: none"> <li>The lack of storm drain improvements resulted in flooding in the area.</li> <li>Flooding of public roads and private properties and lands</li> </ul>	\$1,700,000	\$ 0	(Possibly from Sunnymead MDP or Grant Funds)
No. 10	Line GG	From West of Old Hwy 215 to Westerly its Terminus	West End MDP	<ul style="list-style-type: none"> <li>The lack of storm drain improvements resulted in flooding in the area.</li> <li>Flooding of public roads and private properties and lands</li> </ul>	\$1,300,000	\$0	(Possibly from West End MDP or Grant Funds)



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**Previous Completed Projects**

No.	Storm Drain Name/ Location	Limits	Master Drainage Plan	Drainage/Flooding Issues	Estimated Project Cost	Available Funding	Estimated Funding Shortfall & Potential Future Funding
No. 1	Line F Channel (COMPLETED)	800 feet west of Oliver Street to Grande Vista Drive/Iris Avenue	Moreno MDP	<ul style="list-style-type: none"> <li>• Inadequate capacity to carry current and future flows from tributary areas</li> <li>• Uneven channel floor resulting in upstream back-up waters</li> </ul>	\$4,000,000	\$4,000,000  ( From Moreno MDP fees)	\$0
No. 2	Line LL (COMPLETED)	From Dracaea Avenue to Interstate 215	West End MDP	<ul style="list-style-type: none"> <li>• The lack of storm drain improvements resulted in flooding in the area.</li> <li>• Flooding of public roads and private properties and lands</li> </ul>	\$1,500,000	\$1,500,000  (From West End MDP fees. RCFC will be responsible for the design and construction.)	\$0