

Appendix A

**STORMWATER NEEDS ASSESSMENT MASTER PROJECT LIST (MPL)  
CITY OF COLORADO SPRINGS**

ID	Category	Name	Description	Cost Estimate
CS-001	Storage	19th St Detention Pond	Construct new outlet structure and improve maintenance access	\$615,000
CS-002	Channel	31st Street Drainage Way, Phase 1	Replace existing undersized concrete channel with greenway. Fountain Creek to Fontanero	\$8,910,000
CS-003	Channel	31st Street Drainage Way, Phase 2	Replace existing undersized concrete channel with greenway. Fontanero to Garden of the Gods	\$5,530,000
CS-004	Channel/Grade Control	Cottonwood Creek - Academy to Union	Construct flood control and stream restoration projects.	\$13,193,000
CS-005	Channel/Grade Control	Cottonwood Creek - Monument Creek to Academy	Construct flood control and stream restoration projects. Reaches 4 & 5	\$7,177,000
CS-006	Channel/Storm Drain	Doherty H.S. Channel/Inlets	Replace inadequate channel and construct new storm sewer inlets.	\$3,994,000
CS-007	Channel/Grade Control	Dry Creek Channel	Construct stormwater channel and stream bank protection	\$1,352,000
CS-009	Storm Drain	El Sereno Drainage (Cheyenne Creek)/1931 Woodburn St.	Construct new storm sewer system to address localized flooding. The drainage problem involves street runoff flowing across his property at 1931 Woodburn St.	\$1,659,000
CS-011	Channel/Grade Control	Monument Creek at Talamine	Stabilize eroding streambank	\$2,090,000
CS-013	Storage	King Street Detention Pond	Construct new outlet structure and improve maintenance access.	\$431,000
CS-014	Storm Drain	Pitkin Street Drainage - Platte to Boulder	Construct storm sewer system to address localized flooding	\$185,000
CS-015	Grade Control	Rockrimmon Channel	Study and construct drop structures to stabilize stream upstream of Centennial Blvd.	\$3,720,000
CS-016	Channel	S. Douglas Creek Restoration	Repair or replace existing concrete channel	\$3,480,000
CS-017	Channel/Culvert	N. Douglas Creek between I-25 and Monument Creek	Repairs for channel and road undercutting; repair broken wing walls	\$930,000
CS-018	Channel/Grade Control	Sand Creek Downstream of Platte	Construct stormwater drop structures, streambank protection	\$3,065,000
CS-019	Channel/Culvert/Grade Control	Shooks Run Culverts, Phase 1 El Paso Bijou	Construct stormwater channel, culvert and streambank protection.	\$3,687,000
CS-020	Channel/Culvert/Grade Control	Shooks Run Culverts, Phase 2 Platte to Boulder	Construct stormwater channel, culvert and streambank protection.	\$6,759,000
CS-021	Channel	Templeton Gap Floodway	Reconstruct levee and floodway.	\$3,939,000
CS-022	Channel/Storm Drain	535 Popes Valley Drive	Repairs to address 150' long ravine on private property caused by runoff; modify runoff, add slope drain and fill ravine	\$241,000
CS-023	Storm Drain	1327 Arcadia	Needs storm sewer; private property flooding	\$356,000
CS-024	Storm Drain	Mid Palmer Park Neighborhood (2602 P. Park)	Needs storm sewer; private property flooding	\$1,915,000

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CS-025	Channel/Grade Control	Sand Creek West Fork - Main stem to Wooten	Construct drop structures & streambank protection	\$970,000
CS-028	Storm Drain	CMP Replacement (32 miles)	The City has 32 miles of city-owned CMP that is reaching the end of its service life and needs to be replaced	\$134,386,000
CS-030	Storage	Pond Retrofits	Retrofit ponds upstream of the USAFA to full spectrum or multi-stage detention.	\$724,000
CS-032	Storm Drain/Curb and Gutter	Patty Jewett area/Royer-El Paso-Franklin Streets New Drainage System Phase I/ 725 E. Espanola St.	Flat street grades suggest new drainage improvements on Royer St., El Paso St., with an outfall along Columbia St. to Shooks Run.	\$4,453,000
CS-033	Storm Drain	West Side area/1513 Manitou Blvd - Street Drainage Improvement	Inadequate storm sewer and drainage improvements cause significant street flooding and localized property damage/erosion.	\$260,000
CS-034	Storm Drain	Colorado Avenue - Midland RR Branch area/Chestnut Street Storm Drain Outfall	Design and construct upgrade storm sewer system in Chestnut St. from Pikes Peak Ave. to south of Colorado Ave. and outfalling to Monument Creek or Fountain Creek.	\$963,000
CS-035	Channel/Grade Control	Monument Creek, Phase 1A & 1B: Fountain Creek to Bijou to Fillmore	The banks and bottom of Monument Creek are experiencing significant erosion. Several areas are susceptible to flooding and property damage without future bank and creek bottom stabilization.	\$25,718,000
CS-036	Channel/Grade Control	Monument Creek, Phase II: Fillmore to I-25	The banks and bottom of Monument Creek are experiencing significant erosion. Several areas are susceptible to flooding and property damage without future bank and creek bottom stabilization.	\$39,313,000
CS-037	Channel/Grade Control	Monument Creek, Phase III: I-25 to U.S. Air Force Academy Boundary	The banks and bottom of Monument Creek are experiencing significant erosion. Several areas are susceptible to flooding and property damage without future bank and creek bottom stabilization.	\$11,603,000
CS-039	Channel/Grade Control	Sand Creek Channel Stabilization: Fountain to Airport drop structures	Aggressive cutting is eroding the banks and creek bottom in this area. Drop structures are required to dissipate energy and limit future erosion	\$1,800,000
CS-040	Channel/Grade Control	Sand Creek Channel Stabilization: Karr to West Fork Sand Creek Confluence	This area of creek continues to cut deeper and deeper each year. As it cuts deeper, it threatens to undermine drop structures upstream. More notably, the drop structure directly downstream of the Platte Bridge over Sand Creek, which if lost would cause the closure of Platte Avenue at that location.	\$1,914,000

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ID	Category	Name	Description	Cost Estimate
CS-041	Channel/Grade Control	E. Fork Sand Creek from Mainstem Confluence to below Powers	Aggressive cutting is eroding the banks and creek bottom in this area. Drop structures are required to dissipate energy and limit future erosion	\$3,665,000
CS-045	Channel/Storm Drain	Columbia Road Drainage	Design and construct upgraded and new storm sewer facilities in Columbia Rd. and upgraded channel improvements west of Columbia Rd. from approximately Arnold Dr. to Fountain Creek.	\$2,037,000
CS-046	Channel	Wagner Park Channel	Stabilize bank slopes and channel bottom to limit further erosion.	\$1,925,000
CS-047	Channel	Pine Creek Channel Outfall into Monument Creek	Severe erosion behind The Margarita at Pine Creek Restaurant. Deep gorge has been formed by erosion.	\$2,796,000
CS-048	Channel	Villa Loma Channel West of Powers Boulevard	Design and construct channel improvements from Powers Blvd. westerly approximately 1000' to Colorado Eastern Railroad Co. property.	\$9,196,000
CS-049	Channel	Spring Creek Drainage Improvements: Golf Pond to Fountain Blvd.	Reconstruct the Major Springs Creek Drainage Channel and spillway between the Valley Hi golf course pond and Fountain Blvd.	\$3,264,000
CS-050	Channel	Spring Creek Drainage Improvements: South of Pikes Peak Avenue	Serious erosion of the channel bottom and banks downstream of Pikes Peak Ave. Is creating safety concerns adjacent to the channel and potential property damage. Bottom and sides should be stabilized per Spring Creek Drainage Basin Planning Study.	\$2,458,000
CS-051	Storage	Spring Run Detention Ponds	Modify existing Spring Run Reservoir #2 by lowering its water surface elevation, upgrading its spillway and energy dissipater, and construct downstream channel improvements.	\$1,618,000
CS-053	Channel	Mesa Basin North Outfall: Chestnut Street to Monument Creek	Erosion along Mesa creek south of Caramillo St. impacts private property. Construction of channel stabilization improvements required to limit erosion	\$5,096,000
CS-054	Channel	Shooks Run Channel Costilla to Platte - DBPS "C"	Design and construct new channel section to accommodate higher flows while limiting erosion and cutting.	\$32,252,000
CS-055	Channel	Shooks Run Culverts/Channel; Paseo to Van Buren - DBPS "E"	Remove approximately 600' of channel bottom and sides; reconstruct cutoff walls at 50' intervals in failing section	\$13,386,000

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ID	Category	Name	Description	Cost Estimate
CS-056	Storm Drain	Shooks Run North/Templeton Gap Drainage - drain piping capacity upgrade - Old Farm Circle	A 36" concrete pipe will be installed parallel to the existing 30" concrete pipe in Old Farm Dr. A 36" pipe will also replace the existing storm sewer in Old Farm Circle West up to approximately the intersection with Farmingdale Dr. A new 10' inlet will be installed on the northwest corner of Old Farm Dr. and Old Farm Dr. West. A 48" pipe will transport runoff from subdivision 1.	\$751,000
CS-057	Storm Drain	N. Chelton Neighborhood Improvements - Shooks Run Basin	A previous design includes a series of storm sewer inlets and pipes. Curb and gutter is integral to contain runoff from the bluffs in Palmer Park. 40% has been added to the project for ammendments to the design to extend improvements north to the basin boundary . This project will include many community identified issues on Marlborough Rd. Kent Ln, San Carlos Cir, as well as the properties on North Chelton Rd that lie in the Shooks Run Basin.	\$1,337,000
CS-058	Storm Drain	Airport/Chelton Drainage	Construct upgrades and extensions to existing storm sewer system to pick up more storm flow and lessen impact to adjacent properties	\$1,349,000
CS-059	Storm Drain	Hancock Avenue Drainage	Design and construct storm sewer and related drainage improvements in Hancock Ave., Clinton Way, Institute St., Prospect St., and outfall to the Van Buren Ditch.	\$3,583,000
CS-060	Culvert	Hancock Expressway Drainage	Undersized culvert pipe is at improper grade underneath Hancock Expressway at Clarendon is causing localized street flooding. Replace RCP with box culvert at proper flow line which is 30" too low.	\$628,000
CS-061	Storm Drain/Curb and Gutter	Pennsylvania/4th/ Prospect Drainage	Localized flooding persists. Construct storm sewer and street improvements in accordance with the Lower Cragmoor Drainage Study	\$6,150,000
CS-062	Channel/Culvert	4000 Block of Valley Vista Drainage	Channel degradation from West Fork Sand Creek to Murray Blvd. Inadequate crossings at Wold Ave, and Zane Pl. require new bigger box culverts.	\$5,125,000
CS-063	Storm Drain	North Stone Avenue Drainage Improvements	The area is prone to flooding, ponding, and traffic problems during storm events. The first phase is along Stone Ave from Fillmore to Winters Dr., the second phase is Stone Ave at Winters Dr. and Winters Dr. itself.	\$2,977,000

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<b>ID</b>	<b>Category</b>	<b>Name</b>	<b>Description</b>	<b>Cost Estimate</b>
CS-064	Storage	Mount Woodmen Court Drainage	Sedimentation pond outfalls directly onto private property creating a ravine. Pond outfall requires redesign	\$502,000
CS-065	Storm Drain	Haystack Drive Drainage Outfall	Design and construct storm drainage facilities, manholes, pipes, etc. to reduce flooding.	\$247,000
CS-066	Curb and Gutter	122 North Swope Alley Drainage	reshape alley to facilitate drainage and limit flooding of private property.	\$55,000
CS-067	Storm Drain	1780 S. 8th Street - Wolfe St. & 8th to Cheyenne Run	Design and construct storm sewer system along Wolfe Ave., 8th St. etc. and outfall into Cheyenne Run	\$1,430,000
CS-068	Storm Drain	805 S. 8th Street at N.W. corner of 8th St. and Bear Creek	Design and construct additional storm sewer and inlets from Motor City Dr. to Bear Creek on 8th St.	\$250,000
CS-069	Storm Drain	Anderosa/Belle Drive Drainage - Stampede/Bell/Red Mountain/Chapel Hills/Timberline Roads	Design and construct storm sewer improvements - inlets, pipe, asphalt pavement, surface restoration between properties off of Stampede Dr., Bell Dr., Red Mountain Dr., Chapel Hills Dr., and Timberline Rd.	\$1,675,000
CS-070	Storm Drain	Anita Road and Mesa Lane Drainage	Design and construct drainage improvements in Anita Rd. and possibly Mesa Ln. to alleviate flooding problem.	\$370,000
CS-071	Storm Drain	Briargate Boulevard at Vintage Drive - Storm Drain	Design and construct storm drainage improvements on Vintage Dr. and Briargate Blvd. outfalling to the detention pond on the south side of Briargate Blvd.	\$372,000
CS-072	Storm Drain/Curb and Gutter	Cache La Poudre at East Hills and Alexander Roads	Demo existing curb and gutter at Cache La Poudre and East Hills Rd. and extend storm sewer south to existing storm sewer in East Hills Rd. Extend storm sewer east of Alexander Rd. in Cache La Poudre to pick up more street flow to reduce overtopping of curb onto private property.	\$813,000
CS-073	Storm Drain	Cresta Road at Constellation Drive Storm Drain	Design and construct storm sewer improvements in accordance with Bear Creek Drainage Basin Planning Study	\$969,000
CS-074	Storm Drain	Dale, Yampa & Cedar Storm Drain	Inadequate storm sewer contributes to structural flooding on Cedar St.. Storm drainage improvements will include storm sewer, inlets, surface restoration, utility adjustments, etc.	\$2,903,000
CS-075	Storm Drain	Turret Drive Storm Drain with outlet to Dublin Channel	Design and construct a storm sewer system on Turret Dr.	\$542,000
CS-076	Storm Drain	East Cheyenne Road Drainage	Design and construct storm sewer facilities along E. Cheyenne Rd. from Southern Crossing Center	\$1,256,000
CS-077	Storm Drain	East Pikes Peak Avenue Drainage	Design and construct storm sewer and drainage improvements along E. Pikes Peak Ave. from Ruskin Dr. to Murray Blvd.	\$1,653,000

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CS-078	Storm Drain	El Camino Drive Storm Drain	Extend storm sewer system from drainage channel along east side of shopping complex northerly in El Camino Dr. to Fremont Elementary School site.	\$614,000
CS-079	Storm Drain	Escarcardo Way and Inspiration Drive Drainage	Install new inlet at the Escapardo Way cul-de-sac and larger storm sewer outfall system to Inspiration Dr.	\$170,000
CS-080	Storm Drain	Garden Ranch Drive Drainage	Design and construct additional inlets at intersection of Garden Ranch Dr. and Garden Way with larger storm sewer outfall near the intersection of Garden Ranch Dr. and Union Blvd.	\$737,000
CS-081	Storm Drain	Las Vegas Street Wastewater Plant Drainage	Construct an extension of the storm sewer system westerly of Phase I construction on Las Vegas Street.	\$606,000
CS-082	Storm Drain	Madison/Wahsatch Area Drainage	Continue design and construct of new storm sewer and upgrading of existing facilities from Washington St. to Jackson St. and from Washington Ave. to Corona St. in accordance with the Madison/Wahsatch Drainage Study.	\$3,553,000
CS-083	Storm Drain	Moreno/Weber Street Drainage	Upgrade inlets and storm sewer from intersection easterly through private property to existing storm sewer northwesterly of Rio Grande St. and Wahsatch Ave.	\$268,000
CS-084	Storm Drain	Nichols and El Paso Street Area	Storm sewer extension north on El Paso St. to 530' north of Nichols Blvd., cross pan, curb and gutter bordering Sleepy village Mobile Home Park, removal and replacement of inadequate inlet northwest of intersection.	\$209,000
CS-085	Storm Drain	Parkview Boulevard Drainage from Orion to 21st, and 21st to Constellation Gulch	Design and construct storm sewer improvements on Parkview Blvd. from Orion Dr. to 21st St. and on 21st St. to Constellation Gulch.	\$1,025,000
CS-086	Storm Drain	Pikes Peak Avenue at Academy Blvd.	Design and construct storm sewer from intersection of Pikes Peak Ave. to Academy Blvd. south to Spring Creek Tributary.	\$361,000
CS-087	Storm Drain	Polk/Steel Streets Drainage	Construct Master Drainage Plan improvements proposed from I-25 to Monument Creek. Outfall improvement for portion of storm water improvements previously constructed in Mesa area.	\$1,206,000

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CS-088	Storm Drain	Pando Road/Cheyenne Road/Florence Ave./Hancock Ave., Rand Ave to Slater Ave - Drainage	Design and construct storm sewer improvements on 1) Pando Road and branches north and south at east Cheyenne Road, and 2) Florence Avenue to Slater Avenue and Branches north and south at East Cheyenne Road and Hancock Avenue. ALSO INCLUDE 1221 La Junta.	\$1,148,000
CS-089	Storm Drain	Red Sky Drive and Heatherdale Drive	Design and construct adequate inlets at intersection and reconstruct/upgrade channel from intersection west 150' +/- to main channel.	\$130,000
CS-090	Storm Drain	Saturn Drive and Skyway Blvd	Construct storm sewer facilities in Skyway Blvd. and in Saturn Blvd. outfalling to an existing storm sewer in 8th St.	\$7,770,000
CS-091	Culvert	Scorpio Gulch - Box Culvert Upgrade at 21st Street	Design and construct replacement box culvert in accordance with the Bear Creek Drainage Basin Planning Study	\$571,000
CS-092	Storm Drain	Scott/Winfield/Stratton Intersection Drainage Outfall to Cheyenne Creek	Design and construct storm sewer system to pick up stormwater at the Stratton/Winfield intersection and convey to Cheyenne Creek via Stratton Avenue or obtain drainage easement across 1 1/2 Scott Street to Cheyenne Creek with construction of facilities in Scott and/or Winfield.	\$683,000
CS-093	Storm Drain	Serendipity Circle Storm Drain Outfall to Radiant Drive Channel	Design and construct storm sewer improvements from Serendipity Circle to Radiant Drive Channel.	\$445,000
CS-094	Storm Drain	Summerset Drive Storm Drain	Extend existing storm sewer north of Trafalger Dr. to approximately Williamsburg Dr.	\$319,000
CS-095	Storm Drain/Curb and Gutter	Tejon Street Storm Drain - Fountain Blvd to Fountain Creek (eliminates flooding on Las Vegas)	Modifications to the existing storm sewer in Tejon St. from Fountain Blvd. to Fountain Creek along with the construction of curb and gutter from Mill St. south to Las Vegas.	\$3,509,000
CS-096	Storm Drain	Brenton Dr, Lyncrest Dr. and Tuckerman Lane Drainage	Approximately 1000 feet of storm sewer and related appurtenances should be installed to convey storm water to existing drainage channel. 12 Citizens brought to councils attention. Foundation damages/saturated soils.	\$1,242,000

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CS-097	Storm Drain	Wahsatch Avenue at Brookside St (East end)/Hunter Drive Entrance to CMCA.	Stormwater runoff in larger storm events exceeds capacity of existing (recently-constructed) storm sewer improvements constructed by CMCA and maintained privately by CMCA as part of a 2006 Private Maintenance Agreement. Stormwater overtops existing curb. Wahsatch and Arvada storm drain imp's may be needed.	\$1,776,000
CS-098	Storm Drain	Wentworth Drive and Chapman Drive - Intersection Drainage system	Design and construct storm sewer inlet and storm sewer extension from intersection westerly in Wentworth Dr. to existing storm sewer.	\$369,000
CS-099	(Multiple)	Westgate - Cheyenne Mt. Blvd/Northgate Road/Pourtales Road	Conduct drainage study of area and design/construct drainage improvements for improved conveyance of stormwater.	\$298,000
CS-100	Storm Drain	Westside Drainage from Detention Pond at 19th and Dale Street to Fountain Creek	The west side area is deficient of adequate storm sewers. Erosion, flooding, and property damage result from the lack of controlled stormwater conveyance. This includes the area downstream of the pond at 19th St. and Dale St. and along Manitou Blvd.	\$2,903,000
CS-101	Storm Drain	Winnepeg Drive Storm Drain from Sequoia Drive to Circle Drive	Design and construct storm sewer facilities on Winnepeg Dr. from approximately Sequoia Dr. to existing system in Circle Dr.	\$1,358,000
CS-103	Channel	Pikes Peak Park Drainage & Intersection Improvements	Replace existing channel crossings and 720' of concrete channel.	\$871,000
CS-104	Storm Drain	Tejon Street Storm Drain - from St. Vrain to Boulder	Inadequate drainage causes localized flooding and property damage.	\$362,000
CS-105	Storage	Sand Creek Detention Pond 2	Complete Detention Pond 2 on Sand Creek south of Barnes Road to get to 100 year capacity.	\$1,000,000
CS-106	Channel/Grade Control	Sand Creek Main Stem Phase III - Fountain Creek Confluence to S. Academy Boulevard	New SWENT 2009 project from 5 year plan	\$2,200,000
CS-109	Storm Drain	Dublin Blvd. and Dublin Cir.	Intersection does not drain well, corner properties flood. May be as a result of inlets plugging.	\$132,000
CS-111	Storage	University Park Detention Pond Phase II	University Village Pond outlet had contributed to a ravine that flows downstream between houses on Spurwood Ct. eroding private property.	\$3,222,000
CS-112	Storm Drain	2125 Golden Barrel Ct.	Undersized sump drainage inlet. Stormwater has flooded basement and garage.	\$98,000

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ID	Category	Name	Description	Cost Estimate
CS-114	(Multiple)	Rustic Hills Drainage Master Plan	Entire community has drainage issues. Annexation of County land with no infrastructure. Cost to be determined.	\$0
CS-117	Storm Drain	Centennial Blvd. and Rising Moon Dr.	Hill transporting debris into Centennial and Rising Moon	\$95,000
CS-119	Storm Drain	Galley Rd. and N. Murray Blvd.	Flooding in intersection, needs storm sewer	\$410,000
CS-124	Storm Drain	Mecca Motel - Phase III - 3518 W. Colorado Ave.	Parking lot flooded. Storm drain design required.	\$410,000
CS-125	Channel/Storm Drain	3110 Wesley Pl	Private property at end of cul-de-sac receives public water, overtops chase, washes away landscaping. Behind home, greencrest channel has steep banks. Potential landslide area.	\$39,000
CS-128	Channel	Cottonwood Creek at Cowpoke and Tutt	Cottonwood Creek erosion is ~50-75' from reaching road improvements. Apparent flows overtop curb, eroding land adjacent to street.	\$151,000
CS-130	Channel	Hancock Expressway Channel East of Astrozon	Undermining of infrastructure.	\$43,000
CS-131	Channel/Storm Drain	North Douglas Creek at 4815 List Drive	A plugged underdrain has caused an isolated channel failure of a concrete trapezoidal ditch. Although the failure is isolated to the source of the failure, it has potential to expand since the subgrade is now exposed to live flows.	\$149,000
CS-134	Curb and Gutter/Storm Drain	Rock Ridge Ct.	24" pipe draining onto street causing wash out of landscaping	\$32,000
CS-137	Channel	902 Teal Ct.	Backup from creek floods adjacent parking lot. Creek needs excavation to provide more freeboard/storage.	\$1,500,000
CS-138	Storm Drain	2439 Gunnison St.	Gunnison St. drains onto private property. Damaging foundation and patios on two properties	\$56,000
CS-139	Channel/Storm Drain	Monument Creek Mobile Home Park	drainage is escaping the storm sewer system and eroding bank of monument creek	\$468,000
CS-141	Channel	Gillette St. and Shooks Run (Confluence of Shooks Run and Fountain Creek)	Concrete retaining wall has fallen into Shooks Run. Possibly part of Shooks run project scope.	\$229,000
CS-142	Storm Drain	Tejon Railroad Bridge	Storm sewer failure under street. RTA may have resolved.	\$147,000
CS-150	Channel	5555 Constitution Ct.	Drainage ditch behind property is eroding onto property	\$669,000
CS-155	Storm Drain	W. Del Norte and Culebra Pl.	Ineffective bubblers, intersection flooding	\$237,000
CS-157	Storm Drain	829 Alexander Rd.	Water shoots across E. Cache La Poudre St. and onto property	\$29,000
CS-158	Storm Drain	6915 Cherrywood Dr.	Water draining off Woodmen - Flooding property owner	\$359,000
CS-161	Storm Drain	2745 Kittridge Rd	Bubbler across cul de sac is ineffective	\$76,000
CS-165	Storm Drain	La Fayette Rd. and Constitution Ave.	Recurring flooding issue	\$122,000
CS-166	Storm Drain	N. Academy Blvd. and Lehman Dr.- Pine Hill in Erindale Park	Townhomes receive runoff from public streets	\$61,000

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CS-169	Storm Drain	E. Monument St. and N. Cedar St.	Bubblers are ineffective	\$36,000
CS-176	Storm Drain	Salano Ave. / W. Ramona Ave. / Apache Trl. intersection	Flat grades result in icy road conditions	\$116,000
CS-178	Storm Drain	Corner of E. Dale St. and N. Prospect St. - 804 E. Dale St.	Non-standard pipe inlet on corner may be undersized. Water levels come close to apartments	\$39,000
CS-179	Storm Drain	19 Woodmen Lane	Sand collects on Woodmen Road from the construction and then water starts to collect as more sand builds up.	\$26,000
CS-181	Storm Drain	6896 Duke Drive	Citizen claims that when it rains the water collects at the end of her driveway and is eroding the street. She spoke to the Street Dept. as well and they will send someone out to assess the situation.	\$89,000
CS-182	Storm Drain	3010 East Bijou	Photos were delivered to SWENT that show an intersection that has poor drainage. Curb overtopping is evident. This is the intersection of Bijou and Arrawana. Bijou and Arlen is another inadequately draining intersection that we have received complaints on; just one block to the west.	\$322,000
CS-185	Storm Drain	2465 Sweet Water Ct. (Mountain Shadows)	Area behind property has eroded to expose 12" DIP and 24" steel water lines. This is in same area as issues on Rising moon Dr, and Golden Barrel Ct.	\$656,000
CS-188	Channel	Cottonwood Creek basin, N. of N. Academy Blvd & Vickers Dr. Drainage channel at Hollow Tree Ct.	Bottom of concrete channel is cracked and buckling upward in the middle	\$48,000
CS-191	Storm Drain	1808 Mid Rd	Chase section is directed at retaining wall causing damage.	\$59,000
CS-195	Storm Drain	Alley between Cooper Ave. and N. Chestnut St.	520 N. Cooper - Steve Blackwell of 520 and 524 N. Cooper is dealing with alley flooding which overtops the property lines and flood property with soil and debris.	\$70,000
CS-198	Storm Drain/Culvert	2559 Ranch Lane / 2548 Garden Way	cul-de-sac inlet outfalls in back yard (12" CMP)	\$58,000
CS-199	Channel	552 Asbury Pl	concrete swale in easement has sump condition	\$87,000
CS-202	Storm Drain	22 O Malley	The inverted crown on Omalley Dr has been filled in from utility cuts and patches, Now the roadway has birdbaths that fill with sediment forcing the drainage away from the centerline swale.	\$45,000
CS-203	Channel	3108 Deliverance Dr.	Concrete Channel behind property is becoming undermined	\$73,000
CS-204	Storm Drain	5272 Cliff Point Dr. W.	she is experiencing flooding in her basement from the street above. In that neighborhood there is only one drainage inlet at the bottom of the hill by her house. She feels the inlet is not sufficient.	\$32,000

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CS-212	Storm Drain	Bijou and Arlen	PPRTA replaced outdated curb and gutter and drive aprons with the City Standard curb and gutter and drive aprons. Arlen is steep and flows jump out of the gutter, across the new drive aprons, and washes out landscaping. See other complaint at Bijou and Arrawanna, one block east.	\$451,000
CS-213	Curb and Gutter	2385 Rossmere Dr.	Flow jumps curb head on outside of curve.	\$167,000
CS-221	Channel	N. Douglas Creek N & S of Rendezvous, S of Crested Butte	Concrete channel repairs needed	\$164,000
CS-222	Channel	Rockrimmon Channel at Rockrimmon/Pro Rodeo Int.	Repair damage to channel at outlet	\$87,000
CS-224	Channel	Cheyenne Creek Channel downstream of Southgate Rd.	Concrete channel repairs needed.	\$55,000
CS-226	Channel	Templeton Gap Channel at Oro Blanco Dr.	Concrete channel repairs needed upstream and downstream	\$69,000
CS-227	Channel	Pine Creek Tributary at Misty Meadow Dr.	Concrete channel repairs needed downstream. Very poor condition on both sides of St. Helena Dr.	\$614,000
CS-228	Channel	Cottonwood Creek at Lehman Drive	Concrete channel bottom repairs needed.	\$112,000
CS-230	Channel	Douglas Creek Channel North at Pinon Park Dr	Replace channel floor upstream and downstream	\$941,000
CS-231	Channel	Unnamed Channel - Fountain Blvd 1/4 W. of Circle	Concrete channel repairs needed upstream and downstream	\$195,000
CS-232	Channel/Culvert	Park Vista	Channel and box culvert construction required	\$5,272,000
CS-233	Channel	Meadowland Channel - Montebello to Academy	Concrete channel voids beneath bottom	\$87,000
CS-234	Storm Drain	Delmonico Drive	1300' of 36" RCP needs replacement	\$397,000
CS-235	Storm Drain	Halley's Court	300' of 60" RCP needs replacement	\$134,000
CS-237	Channel	Cypress Ridge Channel (south side)	Channel erosion and instability issues	\$190,000
CS-238	Channel/Grade Control	Lower Hancock Channel - Downstream	1500lf channel stabilization, 2 drop structures	\$749,000
CS-239	Grade Control	Upper Hancock Channel - Hancock to Academy, 78+33 to 96+97	3 drop structures	\$1,758,000
CS-240	Channel/Storm Drain	Lower Sand Creek Tributaries 2,3, and 4 - Main Stem to Academy	500lf channel stabilization, 1520lf storm drain	\$697,000
CS-241	Grade Control	Chelton Road Channel - Academy to Chelton, 96+97 to 119+50	2 drop structures	\$794,000
CS-242	Channel	Sand Creek - Main Stem to N of Jet Wing	1270lf channel stabilization	\$1,170,000
CS-243	Grade Control	Fountain Blvd. Channel - Chelton Rd. to Fountain Blvd., 119+50 to 146+60	3 drop structures	\$1,644,000
CS-246	Channel/Grade Control	Sand Creek Lower Center Tributary - No Name to East Fork Tributary	800lf channel stabilization, 3 drop structures	\$447,000
CS-247	Channel/Grade Control	Sand Creek Middle Center Tributary - Powers to No Name	300lf channel stabilization, 3 drop structures	\$171,000
CS-251	Channel/Grade Control	Sand Creek West Fork - Wooten to Platte Ave.	500lf channel stabilization, 1 drop structure	\$145,000

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**STORMWATER NEEDS ASSESSMENT MASTER PROJECT LIST (MPL)  
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ID	Category	Name	Description	Cost Estimate
CS-252	Channel	Sand Creek Lower West Fork - Emory to Platte Ave.	1000lf channel stabilization	\$957,000
CS-253	Channel	Sand Creek Upper West Fork - Platte to Galley	400lf channel stabilization	\$379,000
CS-254	Channel/Grade Control	Sand Creek Upper West Fork - Galley to Murray	1730lf channel stabilization, 2 drop structures	\$1,611,000
CS-255	Channel/Grade Control	Sand Creek Upper West Fork - Murray to Palmer Park	1250lf channel stabilization, 1 drop structure	\$1,125,000
CS-256	Channel/Grade Control	Sand Creek Upper West Fork - Palmer Park to Sawyer	1330lf channel stabilization, 2 drop structures	\$1,430,000
CS-257	Channel/Grade Control	Sand Creek Upper West Fork - S Carefree to Whimsical	1300lf channel stabilization, 5 drop structures	\$1,527,000
CS-258	Grade Control	Galley Road Channel - Platte Ave. to Galley Rd., 270+00 to 300+00	6 drop structures	\$4,488,000
CS-259	Grade Control	Palmer Park Channel - Galley Rd. to Palmer Park, 300+00 to 345+00	13 drop structures	\$5,900,000
CS-261	Channel	Sand Creek Main Stem - segment 107, reach SC-5	1700lf channel stabilization	\$999,000
CS-262	Channel/Grade Control	Upper Sand Creek - W. Fork to Palmer Park Blvd.	1550lf channel stabilization, w/drop structures	\$957,000
CS-263	Channel/Grade Control	Upper Sand Creek - North of Palmer Park Blvd.	600lf channel stabilization, 2 drop structures	\$389,000
CS-264	Channel	Sand Creek Upper West Fork - Raindrop to North Carefree	2200lf channel stabilization	\$2,197,000
CS-265	Grade Control	Sand Creek Upper West Fork - Maizeland to South Carefree	3 drop structures	\$308,000
CS-267	Channel	Lower Sand Creek Tributary 1 - Main Stem to FMIC, ATSFRR	1000lf channel stabilization	\$605,000
CS-268	Channel/Grade Control	Las Vegas St. Channel - ATSF RR to Peterson Fld Trib.	700lf channel stabilization, 2 drop structures	\$1,238,000
CS-269	Channel	Parkview Channel - Parkview to Arcturus	1460lf channel stabilization	\$456,000
CS-270	Channel	Arcturus Channel - Arcturus to 8th St	930lf channel stabilization	\$360,000
CS-271	Culvert	Arcturus Drive - near pt 17A	3-54" RCP w/wingwalls	\$153,000
CS-272	Storm Drain	Skyway Blvd - near pt 17A	48"x76" HERCP	\$107,000
CS-273	Storm Drain	Woodburn St - near pt 15	300lf 24" RCP	\$80,000
CS-274	Storm Drain	Cheyenne Road - near pt 13	1225lf 18" to 30" RCP	\$298,000
CS-275	Storm Drain	Corona Street - near pt 36	920lf 54" RCP	\$521,000
CS-276	Channel	Walnut Channel - near pt 32	3030lf channel stabilization	\$715,000
CS-277	Channel	Mt. Werner Channel - CDS to Mt Werner	1710lf channel stabilization	\$645,000
CS-278	Channel	Duistry Channel - to pt 38	1010lf channel stabilization	\$408,000
CS-279	Channel	Pt 38 Channel - pt 37 to 38	1530lf channel stabilization	\$509,000
CS-280	Channel	Arvada Channel - arvada to pt 39	4000lf channel stabilization	\$259,000
CS-281	Storm Drain	Loraine - near pt 18	2310lf 18" to 42" RCP	\$866,000
CS-282	Storm Drain	Sommerlyn Street - near pt 15	590lf 18" to 24" RCP	\$133,000
CS-283	Storm Drain	Brookside Area - near pt 19	920lf 18" to 24" RCP	\$235,000
CS-284	Storm Drain	Arvada/Wahsatch	2130lf 18" to 36" RCP	\$645,000
CS-285	Storm Drain	Broadmoor Avenue - near pt 33	1720lf 18" to 36" RCP	\$515,000
CS-286	Storm Drain	Cheyenne Mtn Road - near pt 32	2960lf 24" to 42" RCP	\$1,048,000
CS-287	Storm Drain	Elm Ave/Seventh St - near pt 34A	1960lf 18" to 36" RCP	\$598,000

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**STORMWATER NEEDS ASSESSMENT MASTER PROJECT LIST (MPL)  
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ID	Category	Name	Description	Cost Estimate
CS-288	Storm Drain	Hancock/Florence/Rand - near pt 38	6190lf 18" to 54" RCP	\$1,996,000
CS-289	Storm Drain	Cheyenne Road - near pt 39	5280lf 18" to 54" RCP	\$2,096,000
CS-290	Storm Drain	Aspen St - near pt 37	1170lf 18" to 24" RCP	\$282,000
CS-291	Culvert	Thayer/Penrose/El Pomar/Walnut near pt 31	4'x12' RCB	\$212,000
CS-292	Culvert	Sycamore - near pt 34A	60" RCP w/wingwalls	\$48,000
CS-293	Channel/Grade Control	Bear Creek, Reaches 1-5	6650lf riprap channel lining, 14 drop structures	\$3,249,000
CS-294	Channel/Grade Control	Constellation Gulch, Reach 6	1075lf riprap channel lining, 8 drop structures	\$512,000
CS-295	Storm Drain	Constellation Gulch, Reach 7	3610lf 18" to 60" RCP w/inlets	\$511,000
CS-296	Storm Drain	Skway Gulch, Reach 12	1930lf 18" to 36" RCP w/inlets	\$251,000
CS-297	Storm Drain	Scorpio Gulch, Reach 8	2390lf 18" to 42" RCP w/inlets	\$468,000
CS-298	Storm Drain	Gardiner Gulch, Reach 10	250lf 24" RCP w/inlet	\$66,000
CS-299	Channel/Grade Control	Gold Camp Rd. Stablization, Reach 13	6040lf channel lining, 8 drop structures	\$476,000
CS-300	Storm Drain/Culvert	Gold Camp Rd. Storm Sewer, Reach 13	1580lf 30" to 48" RCP w/ inlets & 4x7 CBC	\$389,000
CS-301	Storm Drain	Orion Dr. North Storm Sewer	4330lf 18" to 48" RCP w/inlets	\$903,000
CS-302	Storm Drain	Rio Grande Outfall Storm Sewer	3410lf 36" to 48" RCP	\$615,000
CS-303	Storm Drain	8th St. Outfall Storm Sewer	2455lf 18" to 48" RCP/inlets	\$516,000
CS-304	Storm Drain	21 St. Outfall Storm Sewer	1630lf 24" to 36" RCP w/inlets	\$239,000
CS-305	Storm Drain	Cresta Dr. Outfall Storm Sewer	2480lf 18" to 42" RCP w/inlets	\$321,000
CS-306	Channel/Grade Control	Fountain Creek - W. Cimmaron St. to N end of Drake Power Plant	Channel stabilization, 1 drop structure	\$2,383,000
CS-307	Channel/Grade Control	Fountain Creek - N end Drake Power Plant to south end of Drake Power Plant	Channel stabilization, 2 drop structures	\$3,397,000
CS-308	Channel/Grade Control	Fountain Creek - Drake Power Plant to S. Tejon St.	Channel stabilization, 1 drop structure	\$2,460,000
CS-309	Channel/Grade Control	Fountain Creek - S. Tejon St. to Shooks Run	Channel stabilization, 1 drop structure	\$2,205,000
CS-310	Channel/Grade Control	Fountain Creek - Shooks Run to Fountain Mutual Canal	Channel stabilization, 2 drop structures	\$16,140,000
CS-311	Channel/Grade Control	Fountain Creek - Fountain Mutual Canal to US 24 Bypass	Channel stabilization, 2 drop structures	\$13,527,000
CS-312	Channel/Grade Control	Fountain Creek - US 24 Bypass to Spring Creek	Channel stabilization, 2 drop structures	\$6,318,000
CS-313	Channel/Grade Control	Fountain Creek - Spring Creek to Mobile Home Park	Channel stabilization, 3 drop structures	\$5,196,000
CS-314	Channel/Grade Control	Fountain Creek - Mobile Home Park to N end El Pomar Sports Park	Channel stabilization, 2 drop structures	\$5,841,000
CS-315	Channel/Grade Control	Fountain Creek - N end El Pomar Sports Park to S end El Pomar Sports Park	Channel stabilization, 2 drop structures	\$5,887,000
CS-316	Culvert	Shooks Run - Costilla St.	Culvert Construction	\$1,920,000
CS-317	Culvert	Shooks Run - Bijou St.	Culvert Construction	\$4,257,000
CS-319	Culvert	Shooks Run - Las Vegas St.	Culvert Construction	\$1,391,000
CS-320	Culvert	Shooks Run - Fountain Blvd.	Culvert Construction	\$2,115,000

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**STORMWATER NEEDS ASSESSMENT MASTER PROJECT LIST (MPL)  
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ID	Category	Name	Description	Cost Estimate
CS-321	Culvert	Shooks Run - Williamette St.	Culvert Construction	\$1,558,000
CS-322	Culvert	Shooks Run - Cache La Poudre St.	Culvert Construction	\$807,000
CS-323	Culvert	Shooks Run - St. Vrain St.	Culvert Construction	\$779,000
CS-324	Culvert	Shooks Run - San Miquel St.	Culvert Construction	\$473,000
CS-325	Channel	Shooks Run - Boulder St. /Williamette St.	Channel Stabilization	\$3,756,000
CS-326	Channel	Shooks Run - Cache La Poudre St. to Patty Jewett Golf Course	Channel Stabilization	\$25,065,000
CS-327	Channel	Shooks Run - Fountain Creek to Abandoned RR	Channel Stabilization	\$668,000
CS-328	Channel	Shooks Run - Willamette St. to Cache La Poudre St.	Channel Stabilization	\$334,000
CS-329	Channel	Shooks Run - Patty Jewett Golf Course	Channel Stabilization	\$2,136,000
CS-330	Storage	Research Parkway at Powers	Retro-fit ex detention pond for EURV	\$255,000
CS-331	Storage	Austin Bluffs Parkway upstream of Research	Retro-fit ex detention pond for EURV	\$495,000
CS-332	Storage	Bridle Pass Drive	Construct new pond to improve 2 yr flows	\$1,483,000
CS-333	Storage	Rangewood Tributary at Dublin Blvd.	Retro-fit ex detention pond for EURV	\$435,000
CS-334	Storage	Cottonwood Park (west side)	Retro-fit ex detention pond for EURV	\$2,397,000
CS-335	Storage	South Pine Creek Lexington at Bordeaux	Retro-fit ex detention pond for EURV	\$555,000
CS-336	Channel/Grade Control	Cottonwood Creek - Austin Bluffs to Powers	9300lf channel stabilization, w/drop structures	\$5,362,000
CS-337	Channel/Grade Control	Cottonwood Creek - Rangewood to Woodmen	5300lf channel stabilization, w/drop structures	\$1,612,000
CS-338	Channel/Grade Control	Rampart Park Channel - Summerset to Lexington	3800lf channel stabilization, w/drop structures	\$5,198,000
CS-339	Channel/Grade Control	Gold Medal Pt. Channel	550lf channel stabilization, w/drop structures	\$1,169,000
CS-340	Storm Drain	Templeton Gap Rd. - Rangewood to Powers	2880lf of storm drain construction	\$914,000
CS-341	Channel/Grade Control	Oakwood Dr. Channel - Dry Stone to Powers	5900lf channel stabilization, w/drop structures	\$3,312,000
CS-342	Channel/Grade Control	Templeton Gap Rd. Channel - Powers to Tutt	4400lf channel stabilization, w/drop structures	\$2,352,000
CS-343	Channel/Grade Control	Rangewood Channel - Main Stem to Balsam	7400lf channel stabilization, w/drop structures	\$3,621,000
CS-344	Storm Drain	Briargate Blvd. - Goddard to Chapel Hills Drive	3700lf of storm drain construction	\$1,169,000
CS-345	Storm Drain	Jamboree Dr. - Goddard to Jamboree	2300lf of storm drain construction	\$1,423,000
CS-346	Storm Drain	Rangewood - Main Stem to Woodland Hills Dr.	900lf of 66" RCP storm drain construction	\$315,000
CS-347	Storm Drain	33rd St Storm Sewer - Fountain Creek to Pikes Peak Ave	490lf 54" RCP w/inlets	\$282,000
CS-348	Storm Drain	28th St Storm Sewer - Fountain Creek to Uintah St & 29th St	2500lf of storm drain construction	\$1,658,000
CS-350	Storm Drain	24th St Storm Sewer - Uintah to Cache La Poudre	1500lf 54" & 72" RCP w/inlets	\$1,343,000
CS-351	Storm Drain	23rd St Storm Sewer - Fountain Creek to Uintah St	10 inlets required	\$92,000
CS-352	Storm Drain	21st St Storm Sewer - Fountain Creek to Uintah St	1000lf 24" & 30" RCP	\$274,000
CS-353	Storm Drain	20th St Storm Sewer - Fountain Creek to Vermijo St	530lf 42" & 84" RCP w/inlets	\$208,000
CS-354	Storm Drain	14th, 15th, 17th, & 19th St Storm Sewer	8520lf of storm drain construction	\$8,265,000
CS-355	Storm Drain	10th & 11th St Storm Sewer - Fountain Creek to Kiowa	2270lf 24" to 48" RCP w/inlets	\$766,000
CS-356	Storm Drain	8th St Storm Sewer - Vermijo to Colorado Ave.	500lf 30" RCP	\$133,000

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**STORMWATER NEEDS ASSESSMENT MASTER PROJECT LIST (MPL)  
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ID	Category	Name	Description	Cost Estimate
CS-357	Storm Drain	Chestnut St Storm Sewer - Fountain Creek to Pikes Peak	1950lf 30" to 48" RCP w/inlets	\$709,000
CS-358	Channel/Grade Control	Union Channel - Hancock to Union	800lf channel stabilization, 1 drop structure	\$328,000
CS-359	Channel/Grade Control	Chelton Dr. Channel - Chelton Dr to Airport Rd	2400lf channel stabilization, 2 drop structures	\$878,000
CS-360	Storage	Wagner Park Detention - downstream of Bijou	Detention Storage Required	\$554,000
CS-361	Channel/Grade Control	Pike Peak Ave. Channel - Pikes Peak to Bijou	1700lf channel stabilization, 2 drop structures	\$518,000
CS-362	Culvert	Bijou St. Culvert - Spring Creek at Bijou St	10'x5' RCB	\$195,000
CS-363	Storm Drain	Union Blvd. Storm Sewer - Spring Creek North Trib to Fountain Blvd	6500lf 18" to 54" RCP	\$1,305,000
CS-364	Storm Drain	Fountain Blvd. Storm Sewer 1 - HWY 24 Bypass	500lf 72" RCP	\$271,000
CS-365	Storm Drain	Fountain Blvd. Storm Sewer 2 - Hutchison Drive	3236lf 18" to 42" RCP	\$502,000
CS-366	Storm Drain	Spring Creek South Trib - South Trib to Spring Creek Dev.	4865lf 18" to 54" RCP	\$928,000
CS-367	Culvert	Airport Rd. Culvert - Airport Road east of Circle Drive	12'x6' RCB	\$628,000
CS-368	Storm Drain	Spring Creek South Trib Storm Sewer - Chelton Rd south of Fountain	2085lf 18" to 42" RCP	\$364,000
CS-369	Storm Drain	Spring Creek South Trib East of Circle Storm Sewer	7625lf 18" to 72" RCP	\$3,035,000
CS-370	Storm Drain	Spring Creek North Trib Storm Sewer 1 - Fountain and Circle Drive	1350lf 18" to 30" RCP	\$227,000
CS-371	Storm Drain	Spring Creek North Trib Storm Sewer 2 - Chelton Rd to Airport	8815lf 18" to 48" RCP	\$1,601,000
CS-372	Storm Drain	Academy Storm Sewer - Academy to Pikes Peak	410lf 60" RCP	\$152,000
CS-373	Storm Drain	Pikes Peak Ave. Storm Sewer - East of Concrete Channel	7815lf 18" to 60" RCP	\$1,916,000
CS-374	Storm Drain	Chelton Rd. Storm Sewer - Chelton Rd to Dale St	4610lf 18" to 54" RCP	\$830,000
CS-377	Channel	Coral Point and Wesley Stream Stabilization	Not related to the most significant failure along Austin Bluffs Pkwy downstream. This erosion is behind Coral Point Townhomes.	\$26,000
CS-378	Storm Drain	North Chelton Neighborhood Improvements - Van Buren Ditch / Monument Creek basin	This project will address numerous issues related to runoff and erosion from Palmer Park. Community volunteers are gathering information to determine the extent and severity of the neighborhood drainage issues in the Van Buren Ditch / Monument Creek basin. Future design concept, based on community involvement and engineering analysis, will determine improvements and total cost. Design estimate provided	\$50,000
CS-379	Channel/Grade Control	West Fork Sand Creek - Constitution Bridge	Culvert and channel repair at undersized box culvert. Not included in RTA list for 25 yr program.	\$2,335,000

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**STORMWATER NEEDS ASSESSMENT MASTER PROJECT LIST (MPL)  
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ID	Category	Name	Description	Cost Estimate
CS-380	Channel	Patty Jewett Golf Course - Conc Ditch Failure	~80 LF of concrete trapezoidal ditch blew apart in a storm on June 6, 2012. \$62,000 has been subtracted from the Shooks Run -Patty Jewett reach of the DBPS to address this specifically	\$62,000
CS-381	Storm Drain	Little Shooks Run - Pipe Arch	Concrete floor has heaved up causing a significant hydraulic jump. Prelim estimated as a 100LF concrete floor removal and replacement, without disturbing the grated inlet above the upheaval. An access hole will need to be cut and replaced in the top of pipe.	\$39,000
CS-382	Storm Drain	224 N. Franklin	Cross section of alley causes structural flooding in the garage of Mr. Brian Lovett at 224 N. Franklin. Julie Pearson performed background research during SWENT. Referred to City Street Maintenance on 4/16/13 for inspection.	\$26,000
CS-383	Channel	1522 N. Custer	Property owner at 1522 N. Custer is experiencing loss of property due to the re-alignment of Shooks Run. Patty Jewett Golf course has deflected Shooks Run onto private property by backfilling the west side of the creek over the course of 50 years. The owner at 1522 n. Custer is installing gabion baskets of concrete rubble to armor the bank of the creek. Inspected by Eng Staff March 2013. Will require realignment back to original location.	\$250,000
<b>PROJECT COUNT 282</b>			<b>TOTAL</b>	<b>\$687,906,000</b>