



SEMSWA Engineering and Construction Division Update

Update – April 2015

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Director, Engineering and Construction Division

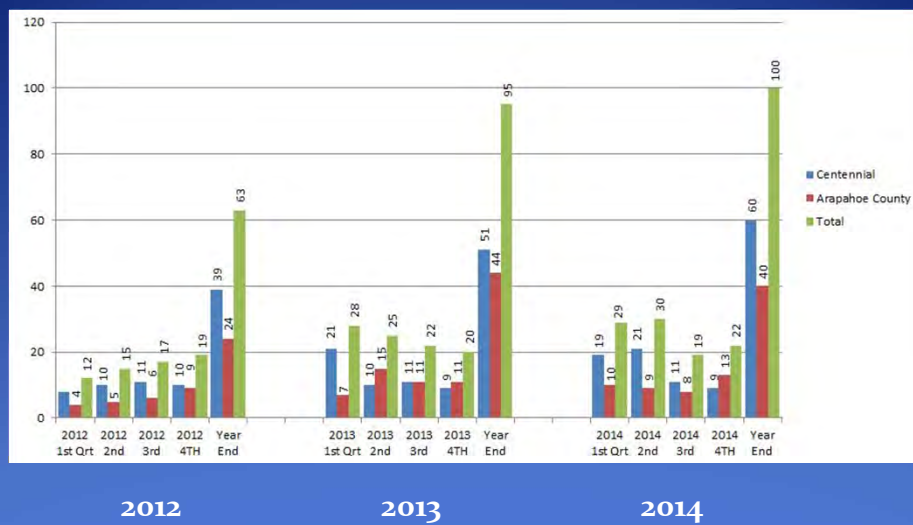
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- Land Development – Case review update
 - Master Planning – Big Dry Creek progress
 - Capital Projects – Rosemary Street Box Culvert

Development Notes

From the Metro Denver Economic Development Corp (EDC) April 2015 Monthly Economic Indicators:

- “Employment in Metro Denver rose four percent between February 2014 and 2015, or an additional 59,300 jobs during the period.”
- Residential building permits for the year to date were down 17% through February compared to 2014.
- “The Commercial Real Estate market reported significant improvements during the first quarter of 2015, with all four property market types recording declining vacancy rates and rising average lease rates.”

New Development Cases Received



New Development Cases – 1st Quarter 2015

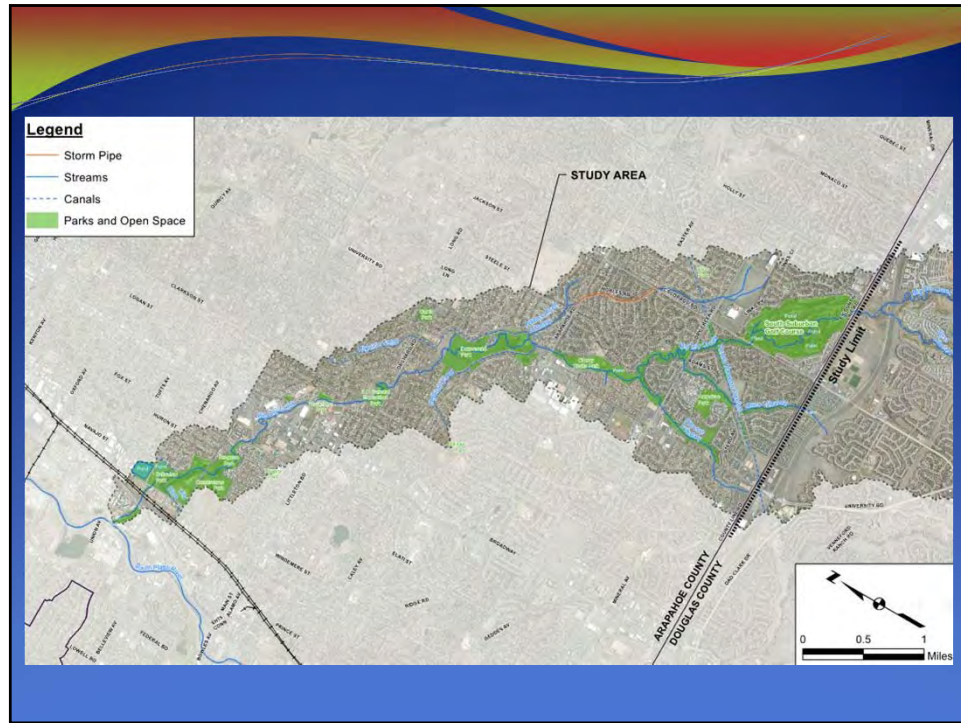
First Qtr 2012:	12
“ 2013:	28
“ 2014:	29
“ 2015:	16

Master Planning - Big Dry Creek Update

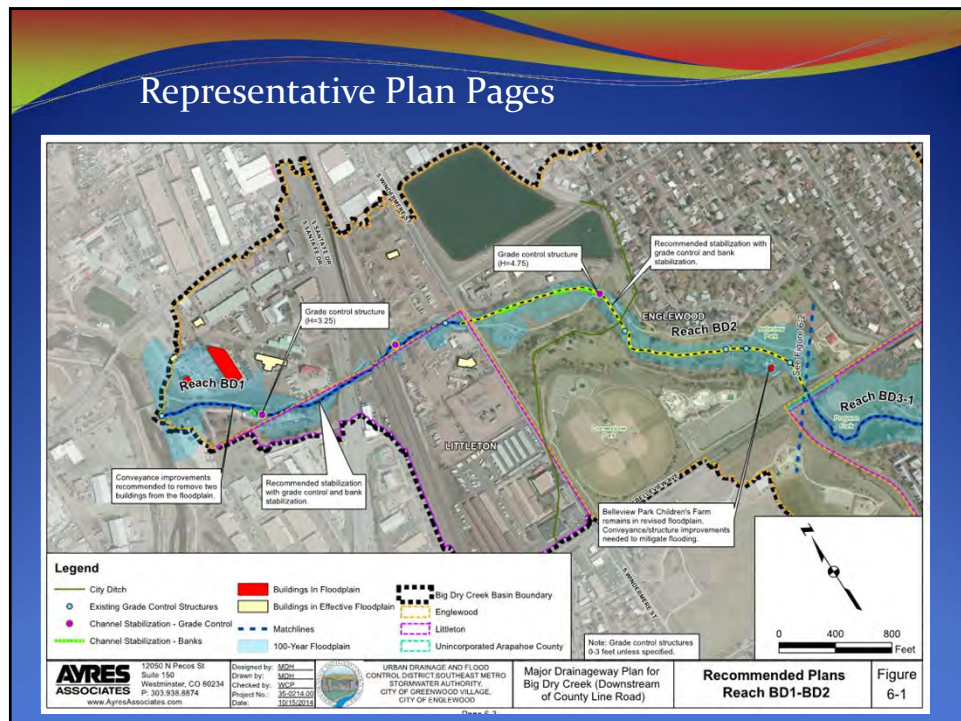


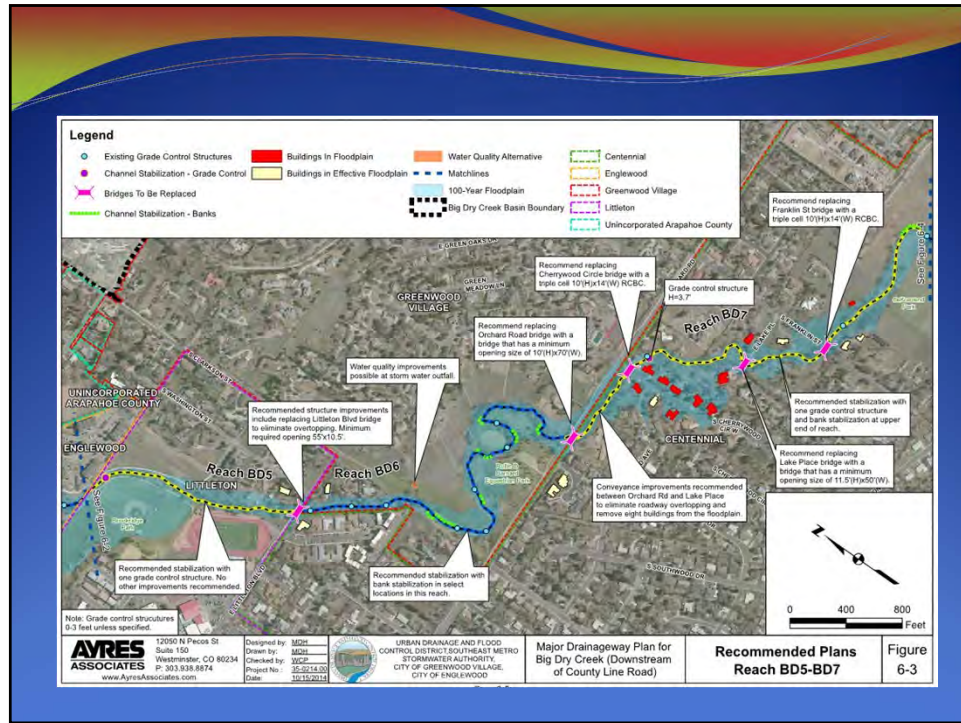
New Major Drainageway Plan and FHAD for Big Dry Creek

- Updated rainfall / runoff data and resulting flow rates
- New flow model to determine existing channel and crossing capacity
- Identifies need for stream and crossing improvements to stabilize the stream channel and provide flow capacity
- Identifies Water Quality opportunities
- Flood Hazard Area Delineation (FHAD) will eventually update FEMA flood maps



Representative Plan Pages





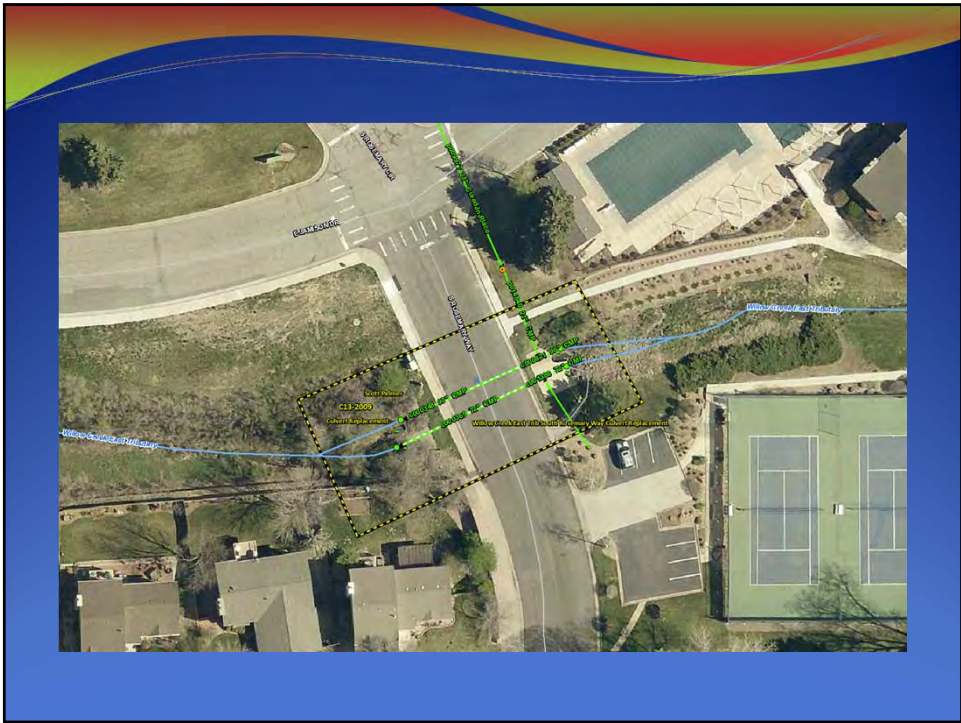
Estimate of Improvements

Table 6-1 - Recommended Plan Cost Estimate									
REACH	JURISDICTION	CAPITAL	ENGINEERING	LEGAL / ADMINISTRATIVE	ADMIN/CONSTRUCTION MANAGEMENT	CONTINGENCY	TOTAL CAPITAL COST	ANNUAL O&M COST	50-YEAR O&M COST
BD1	Englewood	\$683,063.00	\$102,594.00	\$34,198.00	\$68,396.00	\$170,991.00	\$1,060,142.00	\$2,532.00	\$64,393.00
BD2	Englewood	\$246,649.00	\$36,977.00	\$12,332.00	\$24,665.00	\$61,662.00	\$382,353.00	\$2,005.00	\$43,072.00
BD3-1	Littleton	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
BD3-2	Englewood	\$33,560.00	\$5,034.00	\$1,678.00	\$3,356.00	\$8,390.00	\$52,018.00	\$788.00	\$16,928.00
BD3-3	Littleton	\$66,423.00	\$10,023.00	\$3,341.00	\$6,682.00	\$16,706.00	\$103,575.00	\$1,084.00	\$23,502.00
BD3-4	Englewood	\$49,500.00	\$7,425.00	\$2,475.00	\$4,950.00	\$12,375.00	\$76,725.00	\$2,444.00	\$52,520.00
BD4	Englewood	\$57,120.00	\$8,568.00	\$2,888.00	\$5,712.00	\$14,280.00	\$83,538.00	\$2,401.00	\$51,579.00
BD5	Littleton	\$228,480.00	\$34,272.00	\$11,424.00	\$22,848.00	\$57,120.00	\$354,144.00	\$1,778.00	\$38,185.00
BD6	Greenwood Village	\$635,593.00	\$125,331.00	\$41,777.00	\$63,554.00	\$208,895.00	\$1,285,066.00	\$4,564.00	\$99,045.00
BD7	Centennial/SEMSWA	\$3,172,287.00	\$478,807.00	\$158,469.00	\$317,228.00	\$793,012.00	\$4,926,803.00	\$1,488.00	\$14,457.00
BD8	Centennial/SEMSWA	\$563,655.00	\$84,578.00	\$28,193.00	\$56,386.00	\$140,964.00	\$873,976.00	\$5,256.00	\$112,910.00
BD9	Centennial/SEMSWA	\$1,602,808.00	\$229,421.00	\$75,140.00	\$150,281.00	\$375,702.00	\$2,378,352.00	\$912.00	\$18,692.00
BD10	Centennial/SEMSWA	\$1,500,004.00	\$225,000.00	\$75,000.00	\$150,000.00	\$375,000.00	\$2,330,004.00	\$3,392.00	\$72,888.00
BD11	Centennial/SEMSWA	\$347,655.00	\$52,128.00	\$17,375.00	\$34,751.00	\$86,876.00	\$558,651.00	\$2,203.00	\$47,325.00
BD12	Centennial/SEMSWA	\$538,846.00	\$80,827.00	\$26,942.00	\$53,889.00	\$134,712.00	\$753,112.00	\$5,772.00	\$123,995.00
BD13	Centennial/SEMSWA	\$344,124.00	\$51,619.00	\$17,206.00	\$34,413.00	\$86,032.00	\$553,365.00	\$3,614.00	\$81,913.00
BD14	Centennial/SEMSWA	\$366,419.00	\$54,963.00	\$18,321.00	\$36,642.00	\$91,605.00	\$592,450.00	\$3,321.00	\$72,388.00
F1	Centennial/SEMSWA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
F2	Centennial/SEMSWA	\$157,739.00	\$23,660.00	\$7,887.00	\$15,774.00	\$39,437.00	\$233,000.00	\$2,477.00	\$53,211.00
F3	Centennial/SEMSWA	\$1,768,922.00	\$265,338.00	\$88,444.00	\$176,883.00	\$442,232.00	\$2,719,409.00	\$1,514.00	\$16,117.00
F4	Centennial/SEMSWA	\$1,029,806.00	\$154,386.00	\$51,456.00	\$102,911.00	\$257,377.00	\$1,536,426.00	\$2,364.00	\$50,784.00
O1	Centennial/SEMSWA	\$1,262,443.00	\$189,366.00	\$63,122.00	\$126,244.00	\$315,611.00	\$1,866,786.00	\$2,372.00	\$50,956.00
O2	Centennial/SEMSWA	\$111,099.00	\$16,655.00	\$5,552.00	\$11,100.00	\$27,777.00	\$148,086.00	\$1,755.00	\$37,701.00
O3	Centennial/SEMSWA	\$1,449,149.00	\$217,372.00	\$72,457.00	\$144,915.00	\$362,287.00	\$2,244,196.00	\$5,608.00	\$120,472.00
N1	Centennial/SEMSWA	\$102,389.00	\$14,758.00	\$4,919.00	\$10,239.00	\$25,597.00	\$152,702.00	\$3,283.00	\$70,526.00
N2	Centennial/SEMSWA	\$1,264,297.00	\$1,082,843.00	\$364,215.00	\$1,264,297.00	\$3,161,034.00	\$11,290,661.00	\$9,560.00	\$205,370.00
N3	Centennial/SEMSWA	\$550,088.00	\$82,513.00	\$27,505.00	\$55,088.00	\$137,691.00	\$867,291.00	\$6,447.00	\$141,480.00
Total		\$25,339,171.00	\$3,815,248.00	\$1,271,736.00	\$2,515,503.00	\$6,368,752.00	\$39,334,348.00	\$99,081.00	\$2,601,176.00

Big Dry Creek – Next Steps

- Complete Conceptual Design of Improvements
- Prepare FHAD
- Completed Plan used for:
 - Priority of Capital Projects
 - Development project review
 - System Development Fee (SDF) fee calculations

Capital Projects – Rosemary Street Construction



Condition Prior Current Project





Planned Capital Projects –2015

- Mineral at Vincennes – Pipe replacement
- Little Dry Creek – Xanthia to Yosemite
- Inverness Pond - Cottonwood Creek
- Caley West Pond – Cottonwood Creek
- Mesa Park – Remedial Program Improvements
- Piney Creek – Upstream of Caley