

DRCOG Traffic Operations Program - Projects Completed in 2009

| Project | Limits | Number of Signals | Jurisdictions | Project Type | Daily Benefits | | | User Savings | |
|---------|---|--|---------------|-----------------------------------|------------------------------------|----------------------------------|-------------------------------------|--------------|----------|
| | | | | | Travel Time Reduction (Hrs) | Fuel Consumption Reduction (Gal) | Pollutant Emissions Reduction (lbs) | | |
| T09-1 | SH 121/SH 287 | Arista Place to Miramonte Boulevard | 9 | CDOT, Broomfield | Signal Timing, Capital Improvement | 620 | 1,720 | 704 | \$18,000 |
| T09-2 | Dillon Road/144th Avenue | 120th Street to Lowell Boulevard | 6 | Broomfield | Signal Timing | 144 | 55 | 173 | \$3,050 |
| T09-3 | Federal Boulevard | Alameda Avenue to I-76 North Ramp | 31 | Denver, CDOT | Signal Timing, Capital Improvement | 495 | 253 | 687 | \$10,700 |
| T09-4 | Huron Street | 119th Avenue to 144th Avenue | 6 | Westminster, CDOT | Signal Timing, Capital Improvement | 251 | 95 | 292 | \$5,350 |
| T09-5 | 120th Avenue | Pecos Street to Holly Street | 19 | CDOT, Northglenn, Thornton | Signal Timing, Capital Improvement | 942 | 326 | 1,072 | \$19,900 |
| T09-6a | Yosemite Street | County Line Road to Lone Tree Parkway | 15 | Douglas County, CDOT, Centennial | Signal Timing | 150 | 68 | 171 | \$3,200 |
| T09-6b | County Line Road | Quebec Street to Inverness Parkway | 11 | Douglas County, CDOT | Signal Timing, Capital Improvement | 379 | 196 | 497 | \$8,200 |
| T09-7 | Dry Creek Road and Havana Street | Yosemite Street to Arapahoe Road | 10 | Arapahoe County, CDOT, Centennial | Signal Timing, Capital Improvement | 173 | 46 | 147 | \$3,600 |
| T09-8 | South Boulder Road | McCaslin Boulevard to Plaza Drive | 7 | Louisville | Signal Timing, Capital Improvement | 29 | 14 | 34 | \$650 |
| T09-9 | South Wadsworth Boulevard | Trailmark Parkway to Eastman Place | 24 | Lakewood, CDOT | Signal Timing, Capital Improvement | 520 | 186 | 589 | \$11,000 |
| T09-10 | Federal Boulevard South | Bellevue Avenue to Alameda Avenue | 25 | Denver, CDOT | Signal Timing, Capital Improvement | 199 | 48 | 268 | \$4,100 |
| T09-11 | SH 119 (Diagonal Highway) 63rd Street Jay Road and Lookout Road | Jay Road to SH 119; Jay Road to Niwot Road | 14 | CDOT, Boulder, Boulder County | Signal Timing, Capital Improvement | 999 | 133 | 374 | \$20,450 |
| T09-12a | US 287 | Arapahoe Road to Northwest Parkway | 9 | CDOT | Signal Timing, Capital Improvement | 588 | 306 | 711 | \$12,350 |
| T09-12b | Baseline Road | US 287 to 119th/120th Streets | 8 | CDOT, Lafayette | Signal Timing, Capital Improvement | 126 | 55 | 145 | \$2,650 |
| T09-12c | South Boulder Road | Centaur Village Drive to Public Road | 7 | CDOT, Lafayette | Signal Timing | 85 | 38 | 96 | \$1,800 |

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| | | | | | | Fuel Consumption Reduction (Gal) | Pollutant Emissions Reduction (lbs) | | |
| T09-13a | Downing Street | Walnut Street to Park Avenue | 23 | Denver | Signal Timing, Capital Improvement | 102 | 45 | 117 | \$2,200 |
| T09-13b | 13th and 14th Avenues Not Available | Corona Street to Garfield Street | 18 | Denver | Signal Timing, Capital Improvement | | | | |
| T09-14 | 6th and 8th Avenues | Franklin Street to Colorado Boulevard | 12 | Denver | Signal Timing, Capital Improvement | 177 | 162 | 341 | \$3,900 |
| T09-15 | State Highway 2 / 72nd Ave / 104th | 72nd Avenue to 104th Avenue | 13 | CDOT, Commerce City | Signal Timing, Capital Improvement | 293 | 113 | 307 | \$6,100 |
| T09-16 | South Broadway and Mineral Ave | Highlands Ranch Parkway to Belleview Avenue | 43 | CDOT, Douglas County, Littleton, Englewood | Signal Timing, Capital Improvement | 1,363 | 517 | 1,602 | \$28,350 |
| T09-17 | North Federal Boulevard | I-76 to 120th Avenue | 21 | CDOT | Signal Timing | 309 | 119 | 288 | \$6,500 |
| T09-18 | US 287 and SH 7 | US 287: Niwot Road to SH 7; SH 7: US 287 to 75th Street | 7 | CDOT | Signal Timing | 311 | 105 | 277 | \$6,450 |
| T09-19 | Kipling Street | Alameda Avenue to 51st Place | 21 | Lakewood, CDOT, Arvada, Wheat Ridge | Signal Timing, Capital Improvement | 683 | 233 | 820 | \$14,150 |
| T09-20 | 72nd Avenue | Zuni Street to 5400 West | 10 | CDOT, Westminster | Signal Timing, Capital Improvement | 223 | 92 | 241 | \$4,650 |
| Annual Total | | | | | 369 | 2,300,000 | 1,200,000 | 1,240 | \$49,300,000 |
| | | | | | | Hrs | Gal | Tons | |

T09-1 through 11: Fuel @ \$3.26/Gal., Time Value @ \$20.00/Hr. T09-12 through 20: Fuel @ \$2.15/Gal., Time Value @ \$20.00/Hr.

* Click on the project name above to access the Signal Timing Brief