

2050 Plan - City of Columbia Long-Range Projects

Description

NOTE - All Project Costs Updated to 2018 \$ Estimate

Cost

Year 2018 \$

New Construction

Expressways

Stadium extension east to I-70

(Illustrative \$78,500,000 - 2018 \$ estimate)

Major Arterials

Ballenger Lane: St.Charles Road to Route 740 Extension

\$34,000,000

Northwest Loop: Creasy Springs Road to Brown School Rd.

\$31,000,000

Scott Boulevard: West Broadway to State Highway E

(Illustrative - \$81,000,000 - 2018 \$ estimate)

Minor Arterials

Waco Road: Brown Station Rd to Oakland Gravel Rd

\$2,500,000

Waco Road: Route B to Rogers Road

\$10,500,000

Providence Road: Smiley Lane to Brown School Road

\$8,200,000

Fairview & Ash Intersection

\$505,000

Forum & Green Meadows Intersection

\$745,000

Gans Road: Route 163 to Bearfield Road

\$15,600,000

Major Collectors

Bernadette Drive: I-70 Drive SW to Fairview Road.

\$4,800,000

Creekwood Parkway: Golden Bear Dr. to Vandiver Dr.

\$8,800,000

Lake Ridgeway Drive: Clark Lane to Vandiver

\$2,950,000

Discovery Parkway: Gans to New Haven

\$5,400,000

Neighborhood Collectors

Rice Road: Lake of the Woods Road to terminus.

\$2,100,000

Woodhaven Drive: Gans Road to Nifong Boulevard.

\$1,900,000

New Construction Sub-Total

\$129,000,000

Level of Service Upgrades

Major Arterials

Blackfoot Road: State Highway E to O'Neal Road.

\$13,100,000

Brown School Rd: Providence Road to State Hwy 763.

\$7,200,000

Vandiver Drive: Route B to US 63.

\$8,300,000

Nifong: Providence to Forum Boulevard

\$13,779,857

Richland Road: St. Charles to Grace

\$7,600,000

Minor Arterials

Forum Boulevard: Chapel Hill to Woodrail

\$12,700,000

New Haven Road: Lemone to Warren

\$2,900,000

Clark Lane: Woodland Springs Ct to Ballenger

\$4,200,000

Creasy Springs Road: Bear Creek to Blue Ridge Road

\$9,600,000

| | |
|---|-------------|
| Grace Lane: Richland Road to future Rte.740 extension | \$3,200,000 |
| Sinclair Road and Route K | \$1,200,000 |

| | |
|---|-------------|
| Palmer Road: Route PP to Route Z | \$5,400,000 |
| Forum Boulevard: Green Meadows to Nifong | \$2,250,000 |
| Fairview & Chapel Hill Intersection Improvement | \$630,000 |
| Vandiver & Parker Street Roundabout | \$900,000 |

Major Collectors

| | |
|---|--------------|
| Bearfield Road: Nifong Boulevard to Clear Creek | \$4,700,000 |
| Bearfield Road: Clear Creek to Gans Road | \$1,600,000 |
| Heriford Drive: Parker to Route B | \$570,000 |
| Brown Station Road: Starke to Route B | \$6,400,000 |
| Rock Quarry Road: Route 740 to Route AC | \$11,600,000 |
| Sinclair Road: Nifong south 9,400' | \$12,200,000 |
| Sinclair Road: Route K north 6,700' | \$7,800,000 |
| Sinclair-Old Mill Creek-Nifong | \$3,140,000 |
| St. Charles Road: Keene to Richland | \$9,300,000 |
| West Boulevard and Stewart Roundabout | \$350,000 |
| Ash Street 4-way stop removal | \$2,600,000 |
| Keene Street and I-70 Drive SE roundabout | \$752,800 |

Major Maintenance/Reconstruction

| | |
|--------------------------------------|-------------|
| Walnut Street: College Ave to Old 63 | \$500,000 |
| Garth Avenue: BL 70 to Thurman | \$3,950,000 |
| Rangeline: Rogers to Wilkes | \$250,000 |
| Paris Road Resurfacing | \$370,000 |

TOTAL

Neighborhood Collectors

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|---|-------------|
| Northland Drive: Blue Ridge to Parker | \$4,400,000 |
| Silvey Street: West Worley Street to I-70 Drive SW. | \$2,100,000 |

| | |
|---------------------------------------|----------------------|
| Totals - Capital Project Costs | \$423,542,657 |
|---------------------------------------|----------------------|

| | |
|---|---------------------|
| Estimated Annual Maintenance Costs - All Streets | \$10,000,000 |
|---|---------------------|

3.0%

Estimated Available Funding
Street and Highway Projects, 2006 - 2025

| | Amount | | Amount per year | | Year | |
|----------------------|---------------|-------------|------------------------|------------|---------------|---------------|
| | | | | | 1 | 2 |
| Federal | \$ | 130,493,867 | \$ | 6,524,693 | \$ 6,681,286 | \$ 6,841,637 |
| State | \$ | 33,753,600 | \$ | 1,687,680 | \$ 1,728,184 | \$ 1,769,661 |
| Local | \$ | 133,161,333 | \$ | 6,658,067 | \$ 6,817,860 | \$ 6,981,489 |
| | \$ | 297,408,800 | \$ | 14,870,440 | \$ 15,227,331 | \$ 15,592,786 |
| Number of years | | 20 | | | | |
| Consumer price index | | 2.4% | | | | |

| 3 | 4 | 5 | 6 | 7 | 8 |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| \$ 7,005,836 | \$ 7,173,976 | \$ 7,346,152 | \$ 7,522,459 | \$ 7,702,998 | \$ 7,887,870 |
| \$ 1,812,133 | \$ 1,855,624 | \$ 1,900,159 | \$ 1,945,763 | \$ 1,992,461 | \$ 2,040,280 |
| \$ 7,149,045 | \$ 7,320,622 | \$ 7,496,317 | \$ 7,676,228 | \$ 7,860,458 | \$ 8,049,109 |
| <u>\$ 15,967,013</u> | <u>\$ 16,350,222</u> | <u>\$ 16,742,627</u> | <u>\$ 17,144,450</u> | <u>\$ 17,555,917</u> | <u>\$ 17,977,259</u> |

| 9 | 10 | 11 | 12 | 13 | 14 |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| \$ 8,077,179 | \$ 8,271,031 | \$ 8,469,536 | \$ 8,672,805 | \$ 8,880,952 | \$ 9,094,095 |
| \$ 2,089,247 | \$ 2,139,389 | \$ 2,190,734 | \$ 2,243,312 | \$ 2,297,151 | \$ 2,352,283 |
| \$ 8,242,287 | \$ 8,440,102 | \$ 8,642,665 | \$ 8,850,089 | \$ 9,062,491 | \$ 9,279,990 |
| <u>\$ 18,408,713</u> | <u>\$ 18,850,522</u> | <u>\$ 19,302,935</u> | <u>\$ 19,766,205</u> | <u>\$ 20,240,594</u> | <u>\$ 20,726,368</u> |

| 15 | 16 | 17 | 18 | 19 | 20 |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| \$ 9,312,354 | \$ 9,535,850 | \$ 9,764,710 | \$ 9,999,063 | \$ 10,239,041 | \$ 10,484,778 |
| \$ 2,408,737 | \$ 2,466,547 | \$ 2,525,744 | \$ 2,586,362 | \$ 2,648,435 | \$ 2,711,997 |
| \$ 9,502,710 | \$ 9,730,775 | \$ 9,964,314 | \$ 10,203,457 | \$ 10,448,340 | \$ 10,699,101 |
| <u>\$ 21,223,801</u> | <u>\$ 21,733,172</u> | <u>\$ 22,254,769</u> | <u>\$ 22,788,883</u> | <u>\$ 23,335,816</u> | <u>\$ 23,895,876</u> |