

Council Bill:     B 339-22    

MOTION TO AMEND: \_\_\_\_\_

MADE BY: \_\_\_\_\_

SECONDED BY: \_\_\_\_\_

MOTION: I move that Council Bill     B 339-22     be amended as set forth on this amendment sheet.

=====

The Exhibit A attached to this amendment sheet is substituted for the Exhibit A attached to the original ordinance.

# **Columbia Sidewalk Master Plan**

*2022 Revision*

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2022 Revision

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## **1. Introduction/Purpose**

The Sidewalk Master Plan sets forth a public input process to prioritize sidewalk projects where gaps exist. The plan helps the City Council identify projects for which grant funding applications will be made and assists the Council in making capital budget decisions by identifying the most critical sidewalk improvement and construction locations throughout the City. Additionally, this document informs the public of the City's priorities in sidewalk construction.

There are numerous streets in the Columbia area which lack sidewalks, but the major streets lacking sidewalks present the greatest need. Many of these are especially critical for pedestrians, as they provide the connectivity that local streets frequently do not.

In recognition of these needs, the majority of the sidewalk projects contained in this Sidewalk Master Plan are on streets contained in the Major Roadway Plan (MRP). Such streets are the priority for sidewalk construction due to their greater connectivity, larger vehicular traffic volumes, pedestrian safety concerns, and other factors. The 2022 plan contains a total of 40 projects, 32 of which are on streets classified in the MRP.

The 2022 plan also includes eight local street sidewalk projects. All are carry-overs from the existing 2013 Columbia Sidewalk Master Plan. All are considered lower priority than projects on major streets.

The Plan contains nine new projects, eight of which were proposed for addition by the Bicycle and Pedestrian Commission (BPC) in the process of their review, with an additional one suggested by the Planning & Zoning Commission and reviewed and approved for addition by the BPC.

### ***New Projects in 2022 Plan***

*St. Charles Road – Keene Street to Hominy Branch Trail*

*St. Charles Road – Clark Lane roundabout to Demaret Drive*

*Conley Road & I-70 Drive Southeast Pedestrian Connector*

*Rangeline Street, Vandiver to Elleta Blvd*

*Rangeline Street: W side, Boone Electric to existing sidewalk S of Vandiver*

*New Haven Road: Lemone Industrial Blvd to S Warren Drive*

*Clark Lane, south side, across from Creekwood Parkway*

*Northland Drive: Blue Ridge Rd to Parker Street*

*Worley Street, north side, West Blvd to Garth Avenue*

While this plan only addresses street corridors lacking sidewalks, the Bicycle and Pedestrian Commission, Disabilities Commission and City Public Works Department have prepared lists of

critical repair areas at the request of the City Council in recent years, and as a part of the City's ADA-Transition Plan (in progress) the City is actively working to replace curb ramps and adjacent sidewalk sections to make them ADA compliant.

## **2. Summary of Completed or Funded Projects from 2012 Sidewalk Master Plan**

The 2013 Sidewalk Master Plan approved by the City Council on April 1, 2013, had 42 proposed projects. Ten of these projects have been completed or are funded and in process, and one project was canceled. These projects have now been removed from the plan update, and are listed below (numbers correspond to 2013 Plan project numbers):

### ***Completed or In Process/Funded:***

- 7. Stadium Boulevard, Primrose to Business Loop 70*
- 10. Nifong Boulevard, Bethel to Forum (as part of street project)*
- 16. Clark Lane: Paris Road to Eastwood*
- 17. North Garth Avenue: Worley to just south of Sexton Road*
- 19. Oakland Gravel Road, Blue Ridge to Vandiver*
- 23. Sinclair Road, from Nifong Boulevard south to existing*
- 30. Forum Boulevard, Nifong to Mill Creek*
- 31. Elleta Avenue: Rangeline Street (Route 763) east to existing sidewalk*
- 36. Leslie Lane: North Garth Avenue to west of Newton Drive*
- 42. Carter Lane, Foxfire Drive southward 1,300' to Lot 1 of Providence South Plaza Plat 1*

### ***Removed/Rejected by City Council:***

- 28. Audubon Drive, Shepard Blvd to north of N. Azalea*

## **3. History**

Most of Columbia's residential areas developed prior to World War II included the construction of sidewalks as standard practice. The City's first comprehensive plan in 1935 recommended four foot sidewalks be built as standard practice in new development (5' is now the minimum standard). This changed during the 1950s and 60s, as the focus of new residential subdivision layouts was to provide roadways designed solely for the private motor vehicle. As a result, most neighborhoods were built with no sidewalks. In 1973, the City passed an ordinance that mandated sidewalk construction along all lot street frontages in new housing developments. While this has provided sidewalks for internal circulation in subdivisions, the lack of sidewalk construction for over two decades has resulted in a large number of gaps in the sidewalk network.

In addition to those areas developed during the noted time period, there have been large areas of unincorporated land annexed over the past 40 years. The most notable example was a 1969 involuntary annexation which nearly doubled the physical size of the City. This and other annexations added residential subdivisions developed under Boone County standards, which

did not include a requirement for sidewalk construction until subdivision regulations were adopted in 1995. Annexation of these neighborhoods contributed to the City's inventory of streets lacking sidewalks.

City Sidewalk Master Plans were previously developed and adopted or amended in 1976, 1981, 1996, 1997, 2007, and 2013. The current plan, as adopted in 2013, serves as a preliminary capital projects list for sidewalks. Filling the gaps in the sidewalk network has always been one of the major objectives of the Plan, and the Plan provides a public input process to help prioritize projects. When grant opportunities for sidewalk construction funding become available, the Plan allows the City to submit publically vetted and prioritized projects under what are typically short application windows.

#### **4. City Sidewalk Policies**

City ordinances provide that property owners are responsible for maintenance, repair, and reconstruction of the sidewalks adjacent to their property.

In addition, Ordinance B382-07, adopted in December, 2007, established a sidewalk maintenance and construction policy. One of the points of this document is that the City provides funding for sidewalk maintenance, repair, and rebuilding in accordance with an annual list of priorities approved by the City Council. Funds are placed in an Annual Sidewalk account for application to those new and reconstruction projects deemed to be priorities. Such projects are included in the Capital Improvements Program (CIP), the capital project section of the City's annual budget.

In addition to providing a sidewalk project listing, the CIP also shows the funding sources identified for all programmed sidewalk and pedway projects. Sales taxes, in the form of the ¼ Cent Capital Improvement Sales Tax and the ½ Cent Transportation Sales tax, provide most of the revenue for the City's transportation capital plan.

The approved 2016-2025 CIP sales tax ballot contained projects titled "Annual Sidewalks/Pedways (new construction/reconstruction)" and "Annual Sidewalks Major Maintenance" which totals \$4,512,000 through the 10-year period that is used for constructing new sidewalks and repairing existing sidewalk/curb ramps. This is the funding that the City Public Works Department uses to construct sidewalks listed in the sidewalk master plan (along with funding from MoDOT TAP, CDBG, developer contributions, and other sources when these are available).

It should be noted that these individual sidewalk improvements projects that are not included in the street improvement projects which contain sidewalk construction as a component of the project. For example, the project to widen Nifong Boulevard between Providence and Willowcreek included filling in the sidewalk gaps along the route, as well as reconstruction of sidewalks that didn't meet ADA standards. The sidewalk work was done using the funding for the overall Nifong Boulevard project, not the annual sidewalk funds.

Other funding sources for sidewalks are also listed in the CIP, and are described in detail in section 5 of this document.

Ordinance B382-07 also mentions the Master Sidewalk Plan, stating that all projects on the Plan shall be built at the City's expense as funds are available.

Neither of the above relieves property owners of the responsibility of constructing sidewalks in association with new development. Such development on properties lacking sidewalks along their public street frontages must include sidewalk construction in order for City occupancy permits & final approval to be issued.

## **5. Additional Financial Resources**

### *GetAbout Columbia (program completed)*

Columbia was one of four communities nationwide to be chosen to participate in the FHWA Non-Motorized Pilot Program. The local program was called GetAbout Columbia, and was awarded \$22,435,421 during the FY 2006-2009 period to be used for the construction of facilities for pedestrian and bicycle travel, with an additional authorization of \$5,929,975 for Phase 2 of the project. This allowed the City to construct a number of sidewalk projects using one hundred percent federal funds, thus hastening projects that would otherwise be delayed due to a lack of funding. The GetAbout Columbia Program allocated funding to a total of thirteen sidewalk projects. All of these are complete.

### *Community Development Block Grants (CDBG)*

Approximately 19 square miles of the City is designated as a Community Development Block Grant (CDBG) area, and here CDBG funds are utilized to construct sidewalks as frequently as possible.

### *Transportation Alternative Program (TAP)*

Another funding source that has been utilized by the City for pedestrian-related projects is the federal Transportation Alternative Program (TAP), formerly known as the Surface Transportation Program (STP) Enhancement funding. This is administered through MoDOT and past projects include sidewalk and pedway construction along Broadway (Route WW) between Old 63 and US 63, pedestrian bridges on Providence Road and Paris Road, the construction of a sidewalk on the north side of Business Loop 70 from Creasy Springs to Garth Avenue, and the Leslie Lane sidewalk referenced earlier. Further sidewalk projects may be anticipated to have a portion of their cost covered by TAP funds. In the most recent cycle, the City has been awarded TAP funding for two sidewalk projects, Stadium Boulevard (Primrose to Business Loop 70); and West Broadway-Scott Boulevard (filling sidewalk gaps).

## 6. Sidewalk Priority Ratings Matrix

Attached is a spreadsheet with the various criteria used in rating the 40 proposed projects in the 2022 plan update. This ratings matrix was developed and vetted by the City's Bicycle and Pedestrian Commission in 2007 and revised again in 2012 and 2018. Those projects which attained ratings of 6 or more points were given priorities of #1. The assignment of points is described below in section 6A, which describes the nine ratings criteria.

The Priority Ratings Matrix also includes general cost estimates for each project. The initial cost estimates were produced by the Public Works Capital Improvements Engineering Division, and revisions are made as needed during plan updates (for inflation, project scope changes, etc.). These are preliminary estimates, and more detailed analysis would be necessary for each individual project to calculate more specific estimates. Estimates consist of construction costs plus incidental costs including right-of-way or easement acquisition, drainage structures, grading, utility relocations, and others. Project costs are estimated in Year 2022 dollars.

### A. Ratings Criteria

The ratings criteria matrix was developed to assign a priority rating to each of the Sidewalk Plan projects. Each project is reviewed for nine factors and given ratings points accordingly. The individual criteria are as follows:

- a. **Pedestrian Attractors.** The presence of one or more specific pedestrian attractors (primarily schools and parks) in proximity to the project is considered. One or two attractors account for one point, with three or more attractors scoring two points.
- b. **City Bus Route.** Projects that fully or partially intersect a bus route score one point.
- c. **Fills Gap.** If there are existing sidewalks at each end of the proposed project, one point is given.
- d. **Traffic Volumes.** The presence of heavy vehicular traffic volumes (4,000 + ADT) accounts for one point.
- e. **Arterial or Collector Street.** If the project is on a street classified as an arterial or collector (or higher classification) on the Major Roadway Plan, one point is given.
- f. **CIP/MoDOT Project.** If the sidewalk project is on a corridor that is identified as a current or future capital project in the Capital Improvements section of the City budget, no points are given, since it is assumed that a sidewalk would be constructed as part of the street project. The same is true for projects in which MoDOT has committed funding. Those sidewalk projects not on such a corridor score one point. Typically, once a funding source and an upcoming construction date for a sidewalk project is identified in the CIP a project is removed from the Sidewalk Master Plan or marked as underway.



g. **No sidewalk on either side.** If the sidewalk project is in a corridor that lacks sidewalks on either side of the street, one point is given.

h. **Within the CBDG Eligibility Area.** If a project is inside the CBDG area, one point is given.

i. **Within the Strategic Plan boundary.** If a project is contained within the boundary of one of the three Strategic Plan areas, one point is given.

Those projects that score 6 or more points are rated as Priority 1. Those with 5 points or fewer are rated Priority 2.

## 7. Other Pedestrian and Transportation Plans

There are a number of other plan documents that relate to pedestrian travel. A major one is the pedestrian and bicycle component of the CATSO 2050 Transportation Plan, which was adopted in December, 2019. This pedestrian and bicycle network plan, was originally adopted as part of the 2025 Plan in 2001. A revised version was included in the 2040 Plan adopted in 2014, and this was included in the 2050 Plan with minimal changes. The network includes facilities on Major Roadway Plan streets, as well as off-street Greenbelt trail corridors.

Specific to the Greenbelt trail corridors is the Metro Greenbelt/Trail Plan, originally adopted in 2002. The CATSO 2050 Plan includes all of the trails included in the 2013 Parks & Recreation Master Plan. The trail plan proposes trail facilities in a number of the designated Greenbelt corridors. The Trail Plan does not include sidewalks in public street right-of-way.

## 8. Sidewalk Plan Projects Summarized by Street Classification

### Summary and Cost Estimates

The total estimated cost for all projects listed in the plan is \$24,670,080. Included is \$5,182,483 for the eight Priority #1 projects, and \$19,487,597 for the thirty-two Priority #2 projects.

Combined, the sidewalk project list contains approximately 14.8 linear miles of sidewalks. While cost estimates should be considered rough at this point, and are highly variable based upon factors such as right of way costs, grade, utility relocation needs and other elements, this breaks down to roughly \$316 per linear foot. This estimate is skewed greatly by projects with extreme topography, utility relocation requirements, and where retrofits/infills in existing developments will require existing property elements such as driveways and retaining walls to be rebuilt.

The breakdown by street category is as follows:

### Major Arterial Streets - 10 Projects

Total Cost: \$6,482,954

Five are Priority #1

**Minor Arterial Streets – 5 Projects**

Total Cost: \$1,757,385

All are Priority #2

**Major Collector Streets – 11 Projects**

Total Cost: \$10,139,609

Three are Priority #1

**Neighborhood Collector Streets - 6 Projects**

Total Cost: \$3,657,174

All are Priority #2

**Local Streets - 8 Projects**

Total Cost: \$2,632,958

All are Priority #2

*Below is the list of individual potential sidewalk projects with specific information about each project. As on the ratings matrix spreadsheet, these are organized according to street classification.*

**A. Major Arterial Projects**

1. Broadway, East of Maplewood to west of West Blvd (to meet sidewalk starting roughly across from Clinton Dr.).

Side: South

Length: Approx. 2,011'

Width: 6'

Estimated Cost: \$451,556

Bus Route: YES

Ped Attractors: West Boulevard Elementary

Comments: Construction of this section would eliminate a gap and provide a continuous south-side sidewalk connection east to Old 63.

Priority: 2

2. Broadway, Stadium Blvd. to west of Manor

Side: South

Length: Approx. 1,900'

Width: 6'

Estimated Cost: \$408,500

Bus Route: YES

Ped Attractors: Russell Elementary, West Junior High

Comments: This project would eliminate a major gap in the system.

Priority: 2

3. Business Loop 70, Garth Avenue to Providence

Side: Both

Length: 1,373'

Estimated cost: \$524,127 Bus Route: NO

Ped Attractors: Hickman High School, Ridgeway Elementary, Douglass High School

Comments: This is a major commercial strip with adjacent residential areas. The majority of the frontage lacks sidewalks. The entire length of the segment is 1373', but needed new sidewalk to connect to existing sidewalks would be 861'. This project is listed in the CIP as an unfunded project for 2020.

Priority: 1

4. Business Loop 70, Providence to Rangeline Street

Side: North

Length: 2,640'

Estimated Cost: \$661,207

Bus Route: NO

Ped Attractors: Hickman High School, Field Elementary

Comments: Major commercial corridor with little pedestrian accommodation. This project is expected to ultimately be built by the Business Loop CID.

Priority: 1

5. Business Loop 70, 7<sup>th</sup> Street to Rangeline Street

Side: South

Length: 1,320'

Estimated Cost: \$258,032

Bus Route: NO

Ped Attractors: Hickman High School

Comments: Major traffic and commercial corridor with minimal pedestrian access. This project is expected to ultimately be built by the Business Loop CID.

Priority: 1

6. Business Loop 70, Rangeline Street to Route B

Side: Both

Length: 3696'

Estimated Cost: \$1,467,557

Bus Route: NO

Ped Attractors: Hickman High School

Comments: See other Business Loop projects. Provides connection to Old 63 sidewalk.

Priority: 1

7. Vandiver Drive, E of Route B, existing sidewalk to Centerstate

Length: 2,950'  
Side: Both  
Bus Route: NO  
Estimated Cost: \$457,234  
Ped Attractors:  
Priority: 1

8. Nifong Boulevard, (Sinclair Road to Country Woods Road)

Side: North  
Length: 2,640'  
Bus Route: NO  
Estimated Cost: \$1,124,241  
Columbia School District suggestion  
School Impacted: Mill Creek Elementary  
Priority: 2

9. Rangeline Street, Boone Electric to existing sidewalk south of Vandiver

Side: west  
Length: 1,100'  
Bus Route: YES  
Estimated Cost: \$335,500  
Ped Attractors:  
Priority: 2

10. Rangeline Street, Vandiver to Elleta Blvd

Side: east  
Length: 2,650'  
Bus Route: YES  
Estimated Cost: \$795,000  
Ped Attractors: Commercial locations along Vandiver  
Priority: 2

**B. Minor Arterial Projects**

11. Chapel Hill Road, Fairview Road to east of Handley

Side: North

Length: 620'

Estimated Cost: \$154,165

Bus Route: NO

Ped Attractors: Twin Lakes Rec Area, Fairview School & Park, Bonnie View Nature Sanctuary

Comments: Sidewalk addition to existing bridge would be necessary as part of project

Priority: 2

12. Vandiver Drive, Route B to west of Warwick

Side: South

Length: 2,865'

Estimated Cost: \$556,865

Bus Route: NO

Ped Attractors: Commercial facilities

Comments: Vandiver Drive is a major east-west traffic corridor north of I-70, and has a heavy volume of vehicle traffic

Priority: 2

13. Vandiver Drive, Providence to Rangeline

Side: South

Length: 2,035'

Estimated Cost: \$393,655

Bus Route: NO

Ped Attractors: Commercial facilities

Comments: See project # 11.

Priority: 1

14. New Haven Road: Lemone Industrial Blvd to S Warren Drive

Side: north

Length: 1,840'

Estimated Cost: \$561,200

Bus Route: NO

Ped Attractors: Commercial facilities

Comments: Provides pedestrian access to New Haven Elementary

15. Clark Lane, across from Creekwood Parkway  
Side: south  
Length: 300'  
Estimated Cost: \$91,500  
Bus Route: NO  
Ped Attractors: Commercial facilities  
Comments: Sidewalk gap along one commercial property

**C. Major Collector Projects**

16. West Boulevard South, Stewart Road to Westwinds Drive  
Side: Both  
Length: 2,135'  
Estimated Cost: \$640,500 Bus Route: NO  
Comments:  
Ped Attractors: Westwinds Park  
Priority: 2
17. West Boulevard North, Ash to Worley  
Side: East  
Length: 1,352'  
Estimated Cost: \$673,302  
Bus Route: NO  
Comments: Columbia School District suggestion. No longer listed in CIP.  
School Impacted: West Boulevard Elementary  
Priority: 2
18. Oakland Gravel Road, Smiley Lane to Blue Ridge Road  
Length: 2200'  
Side: West  
Bus Route: YES  
Estimated Cost: \$680,559  
Ped Attractors: Oakland Junior High, Lange Middle School, Blue Ridge Elementary, Albert-Oakland Park  
Comments: This would fill in a gap in an area with a large concentration of schools.  
Priority: 1

19. I-70 Drive Southwest, West Blvd. to Clinkscapes

Length: 2,622'  
Side: South  
Bus Route: NO  
Estimated Cost: \$2,040,065  
Ped Attractors:  
Priority: 2

20. I-70 Drive Southwest, Clinkscapes to Beverly

Length: 1,800'  
Side: South  
Bus Route: NO  
Estimated Cost: \$1,335,315  
Ped Attractors:  
Priority: 2

21. Rock Quarry Road, Stadium Boulevard to Hinkson Creek Trail (north), and Route AC to Nifong (south)

Side: east (north section), either for south section  
Length: 1,600' (north section), 2117' (south section) total 3,717'  
Bus Route: YES (south section only)  
Estimated Cost: \$1,140,743  
Ped Attractors: University of Missouri  
Comments: Project requires ROW acquisition, major grading  
Priority: 1

22. St. Charles Road, Keene Street to Hominy Branch Trail

Side: north side W of Albany, then switch to south side)  
Length: 855'  
Bus Route: NO  
Estimated Cost: \$105,755  
Ped Attractors: Hominy Branch Trail, medical facilities on Keene Street  
Comments: Connects Keene Street sidewalk to HB Trail  
Priority: 1

23. St. Charles Road, Clark Lane roundabout to Demaret Drive

Side: north  
Length: 2,400'  
Bus Route: NO  
Estimated Cost: \$664,658

Ped Attractors: Hominy Branch Trail, Battle High School, Battle Elementary  
Comments: Fills gap between Clark Lane sidewalk and new sidewalk project east of Demaret Drive  
Priority: 2

24. Conley Road, I-70 Drive SE Pedestrian Connector

Side: north  
Length: 1,292'  
Bus Route: YES  
Estimated Cost: \$1,028,012  
Ped Attractors: Commercial area along Conley Road  
Comments: Connects existing sidewalk on Conley to sidewalk on I-70 Drive SE  
Priority: 1

25. Bernadette Drive, Worley to Stadium

Length: 675'  
Side: west side  
Width: 5'  
Bus Route: YES (partial)  
Estimated Cost: \$199,149  
Ped Attractors: Columbia Mall  
Priority: 2  
Comments: This project has been modified in scope from the 2012 Plan to reflect that major sections of the original project have been built.

26. Worley Street, West Blvd. to Garth Avenue

Length: 3,650'  
Side: North  
Width: 5'  
Bus Route: YES  
Estimated Cost: \$1,631,550  
Ped Attractors: West Boulevard Elementary  
Priority: 2  
Comments: This project was added at the suggestion of the P&Z Commission, and the concurrence of the Bicycle & Pedestrian Commission.



**D. Neighborhood Collector Projects**

27. Garth Avenue, Thurman Street to Texas Avenue

Length: 1,695'  
Estimated Cost: \$586,830  
Side: east  
Bus Route: NO  
Ped Attractors: Parkade Elementary School  
Columbia School District suggestion  
School Impacted: Parkade Elementary  
Priority: 1

28. Bray Avenue, Fairview Road to terminus of existing sidewalk

Length: 1,160'  
Side: North  
Bus Route: NO  
Estimated Cost: \$337,914  
Ped Attractors: Fairview Elementary, Fairview Park, Walking School Bus  
Priority: 2

29. Old Plank Road: Providence to Tessa Way

Side: North  
Length: 1,690'  
Estimated Cost: \$241,905  
Bus Route: NO  
Ped Attractors: Rock Bridge Elementary School  
Comments: A potential Round 2 GetAbout project; short connection for Walking School  
Bus route from neighborhoods to Rock Bridge Elementary School  
Priority: 2

30. Shepard Boulevard, Old 63 to Danforth

Side: South  
Length: 924'  
Bus Route: NO  
Estimated Cost: \$179,010  
Ped Attractors: Shepard Elementary, Shepard Park  
Comments: Would complete the existing sidewalk system along the south side of Shepard, providing a connection to the Old 63 sidewalk. Shown as unfunded in CIP for

FY 2022 construction.

Priority: 2

31. Rollins Road, Stadium to Bourn

Side: north

Length: 175'

Bus Route: NO

Estimated Cost: \$20,965

Comments: This project would fill a missing link in the Rollins Road sidewalk system.

Priority: 2

32. Northland Drive: Blue Ridge Rd to Parker Street

Side: optional

Length: 7,510'

Bus Route: NO

Estimated Cost: \$2,290,550

Priority: 2

**E. Local Street Projects**

33. Rothwell Drive: Rollins Road to West Broadway

Length: 2,300'

Side: Optional

Width: 5'

Bus Route: NO

Estimated Cost: \$445,105

Ped Attractors: Rothwell Park

Comments: This project would provide Rothwell Heights Subdivision with a link to the sidewalk on Rollins Road. It would also enhance pedestrian access to Rothwell Park and Fairview School.

Priority: 2

34. Maplewood Drive: West Broadway to Rollins Road

Length: 2,700'

Side: East

Width: 5'

Bus Route: NO

Estimated Cost: \$435,429

Ped Attractors: Russell Boulevard School, Kiwanis Park

Comments: This would connect the Clinkscales and West Broadway sidewalk systems with Russell Boulevard School and Kiwanis Park.

Priority: 2

35. Maplewood Drive: Rollins Road to Princeton Drive

Length: 1,250'

Side: West

Width: 5'

Bus Route: NO

Estimated Cost: \$201,587

Ped Attractors: Russell School, Kiwanis Park

Comments: This would increase pedestrian access for Kiwanis Park and Russell Boulevard School.

Priority: 2

36. Pershing Road: Gary to Pearl Avenue

Length: 1,056'

Side: East

Width: 5'

Bus Route: NO

Estimated Cost: \$169,333

Ped Attractors: West Boulevard School, Again Park, City-County Health Department

Comments: This would improve the north-south pedestrian circulation between Worley Street and Broadway and increase the pedestrian access to West Boulevard School and Again Park.

Priority: 2

37. Bourn Avenue: West Broadway to Rollins Road

Length: 2,225'

Side: Optional

Width: 5'

Bus Route: NO

Estimated Cost: \$367,125

Ped Attractors: None

Comments: This project would provide a north-south link between two major sidewalk systems. It also would provide some pedestrian circulation in an area devoid of sidewalks.

Priority: 2

38. Concord Street: Arlington to Yorktown

Length: 650'

Side: West

Width: 5'

Bus Route: NO

Estimated Cost: \$48,381

Ped Attractors: Fairview Elementary School and Park

Comments: This project would fill in a gap on a street utilized by elementary school students to walk to school.

Priority: 2

39. Proctor Drive, Bear Creek Village Subdivision to Bear Creek Drive

Length: 1,600'

Side: South

Width: 5'

Bus Route: NO

Estimated Cost: \$776,000

Ped Attractors: Parkade School

Priority: 2

40. Burnam Road, Clarkson to Providence

Length: 475'

Side: North

Width: 5'

Bus Route: NO

Estimated Cost: \$189,997

Ped Attractors: University of Missouri

Priority: 2

PROPOSED 2022 SIDEWALK MASTER PLAN PROJECTS - PRIORITY RATINGS MATRIX

Project #	Street Classification and Project Description	Rating Criteria								Total Points	Priority Ranking	Project Length (lineal ft)	Cost Estimate (2022 dollars)	On Bus Route	
		Pedestrian Attractions	On Bus Route	Fills Gap	Traffic Volumes	Arterial or Collector	Not a CIP or MoDOT project	No sidewalk on either side	In CDBG Area						Strategic Plan Area
<i>Major Arterials</i>															
1	Broadway, south side, E of Maplewood to W of West Blvd.	1	1	1	1	1	0	0	0	0	5	2	2,011	\$451,556	Y
2	Broadway, East Briarwood to W of Manor	1	1	1	1	1	0	0	0	0	5	2	1,900	\$408,500	Y
3	Bus.Loop 70, Garth to Providence, both sides	1	0	1	1	1	0	1	1	1	7	1	1,373	\$524,127	N
4	Bus.Loop 70, Providence/Rangeline (north side)	1	0	0	1	1	0	1	1	1	6	1	2,640	\$661,207	N
5	Bus.Loop 70, 7th/Rangeline (south side)	1	0	0	1	1	1	1	1	0	6	1	1,320	\$258,032	N
6	Bus.Loop 70, Rangeline/Route B	1	0	0	1	1	1	1	1	0	6	1	3,696	\$1,467,557	N
7	Vandiver Drive, south side, Route B to Centerstate	0	0	1	1	1	1	1	1	0	6	1	2,950	\$457,234	N
8	W. Nifong Boulevard, N side, Sinclair to Country Woods	1	0	0	1	1	1	0	0	0	4	2	2,640	\$1,124,241	N
9	Rangeline Street: W side, Boone Electric to existing sidewalk S of Vandiver	0	1	0	1	1	1	0	0	0	4	2	1,100	\$335,500	Y
10	Rangeline Street, E side, Vandiver to Elleta Blvd	0	1	0	1	1	1	0	1	0	5	2	2,650	\$795,000	Y
Sub-total: Major Arterials											22,280		\$6,482,954		
<i>Minor Arterials</i>															
11	Chapel Hill Road, Fairview to east of Handley(north side)	2	0	1	1	1	0	0	0	0	5	2	620	\$154,165	N
12	Vandiver Drive, Route B to W of Warwick (south side)	0	0	1	1	1	1	0	1	0	5	2	2,865	\$556,865	N
13	Vandiver Drive, Providence to Rangeline (south side)	0	0	1	1	1	1	0	0	0	4	2	2,035	\$393,655	N
14	New Haven Road: Lemone Industrial Blvd to S Warren Drive	1	0	0	1	1	1	1	0	0	5	2	1,840	\$561,200	N
15	Clark Lane, south side, across from Creekwood Parkway	0	1	1	1	1	1	0	0	0	5	2	300	\$91,500	Y
Sub-total: Minor Arterials											7,660		\$1,757,385		
<i>Major Collectors</i>															
16	West Blvd. South, Stewart/Westwinds	1	0	0	1	1	1	1	0	0	5	2	2,135	\$640,500	N
17	West Boulevard North, Ash to Worley (east side)	1	0	1	1	1	0	0	1	0	5	2	1,352	\$673,302	N
18	Oakland Gravel Road, Smiley/Blue Ridge (west side)	2	0	1	1	1	1	0	1	0	7	1	2,200	\$680,559	N
19	I-70 Drive SW, West Blvd. to Clinkscales (south)	0	0	0	1	1	1	1	1	0	5	2	2,622	\$2,040,065	N
20	I-70 Drive SW, Beverly to Clinkscales (south)	0	0	0	1	1	1	1	1	0	5	2	1,800	\$1,335,315	N
21	Rock Quarry Road, Stadium/Nifong (two sections)	1	0	0	1	1	0	1	1	0	5	2	3,717	\$1,140,743	N
22	St. Charles Road, Keene to H B Trail (N side to W of Albany, then S side)	1	0	1	1	1	1	1	0	0	6	1	855	\$105,755	N
23	St. Charles Road, Clark Lane roundabout to Demaret Drive (north side)	1	0	1	1	1	1	0	0	0	5	2	2,400	\$664,658	N
24	Conley Road - I-70 Drive SE Pedestrian Connector	0	1	1	1	1	1	1	0	0	6	1	1,292	\$1,028,012	Y
25	Bernadette Drive, Worley to Stadium (west side)	0	1	1	1	1	0	1	0	0	5	2	675	\$199,149	Y
26	Worley Street, West Blvd to Garth Avenue (north side)	1	1	1	1	1	0	0	1	0	5	2	3,650	\$1,631,550	Y
Sub-total: Major Collectors											22,698		\$10,139,609		
<i>Neighborhood Collectors</i>															
27	Garth Avenue, Thurman to Texas (east side)	1	0	0	1	1	0	0	0	0	3	2	1,695	\$586,830	N
28	Bray Avenue, Fairview Road to existing (north side)	1	0	1	0	1	1	0	0	0	4	2	1,160	\$337,914	N
29	Old Plank Road, Providence to Tessa Way (north)	1	0	0	0	1	1	1	0	0	4	2	1,690	\$241,905	N
30	Shepard Blvd, Old 63/Danforth (south)	1	0	1	0	1	0	0	0	0	3	2	924	\$179,010	N
31	Rollins Road, Stadium/Bourn (north side)	0	0	1	0	1	1	0	0	0	3	2	175	\$20,965	N
32	Northland Drive: Blue Ridge Rd to Parker Street	0	0	0	0	0	0	1	0	0	1	2	7,510	\$2,290,550	N
Sub-total: Neighborhood Collectors											13,154		\$3,657,174		
<i>Local Streets</i>															
33	Rothwell Drive, Rollins/Broadway (side optional)	1	0	0	0	0	1	1	0	0	3	2	2,300	\$445,105	N
34	Maplewood Drive, Broadway/Rollins (east)	1	0	0	0	0	1	1	0	0	3	2	2,700	\$435,429	N
35	Maplewood Drive, Rollins/Princeton (west)	1	0	0	0	0	1	1	0	0	3	2	1,250	\$201,587	N
36	Pershing Road, Gary to Pearl (east)	2	0	1	0	0	0	0	1	0	4	2	1,056	\$169,333	N
37	Bourn Avenue, Broadway to Rollins (west side (shorter) or optional)	0	0	0	0	0	1	1	0	0	2	2	2,225	\$367,125	N
38	Concord Street, Arlington to Yorktown (west)	1	0	1	0	0	1	0	0	0	3	2	650	\$48,381	N
39	Proctor Drive, BC Village to Bear Creek Drive (south)	1	0	0	0	0	1	1	0	0	3	2	1,600	\$776,000	N
40	Burnam Road, Clarkson to Providence (north)	1	0	0	0	0	1	1	1	0	4	2	475	\$189,997	N
Sub-total: Local Streets											12,256		\$2,632,958		
NOTE: the following locations have also been suggested by the BP Commission for pedestrian-improvements Broadway, from W side 63 ramp to sidewalk on east side of US 63 I-70/US 63 interchange, ped-bike connectors on each leg Stadium Blvd, N side, near Audubon to existing on east side US 63															
<b>Total: All Street classes</b>											78,048		\$24,670,080		
Projects with total points of ≥ 6 are rated Priority 1.															

### City of Columbia Sidewalk Projects from FY 2023 CIP

Description/Information	Status	Notes
Broadway Sidewalk: Stadium Blvd to Manor	Proposed	Fills an existing gap
Broadway Sidewalk: Maplewood to West Blvd	Proposed	Fills an existing gap, completes the system from Stadium to West Blvd
North Stadium Blvd Sidewalk: I-70 to Primrose	Final Design	Fills gaps
Worley Street Pedestrian Signal Improvements	Final Design	Installation of new pedestrian signal equipment at Worley Street intersections with West Blvd and Bernadette, reconstruction of ramps
Hinkson Avenue Sidewalk	Final Design	Construction of new sidewalk on south side of Hinkson, and on both sides of Nichols Street
Chapel Hill Road Sidewalk: Fairview to Face Rock	Proposed	Fills gap in system
Oakland Gravel Road Sidewalk: Vandiver to Grizzly	Final Design	Fills gaps in system on W side of street, improve the pedestrian crosswalk at Oakland Gravel/Vandiver
Scott-Broadway Sidewalk	Preliminary Design	Construction of sidewalk along the northwest side of Scott Boulevard-Broadway between Christian Fellowship Road and Silvey Street
Greektown Sidewalk	Preliminary Design	Repair of existing sidewalk and build new sidewalk in Rollins-Providence-Kentucky-Tiger area
Range Line Street/I-70 Sidewalk	Proposed	Construction of sidewalk along the Range Line & Interstate 70 interchange
Sexton Road Sidewalk	Preliminary Design	Remove/reconstruct sidewalk along Sexton Road between Mary Street and Garth Avenue, south side

# Sidewalk Master Plan 2022

Number of Projects: 40

Total Length: 14.8 miles

Total Cost: \$24,670,080

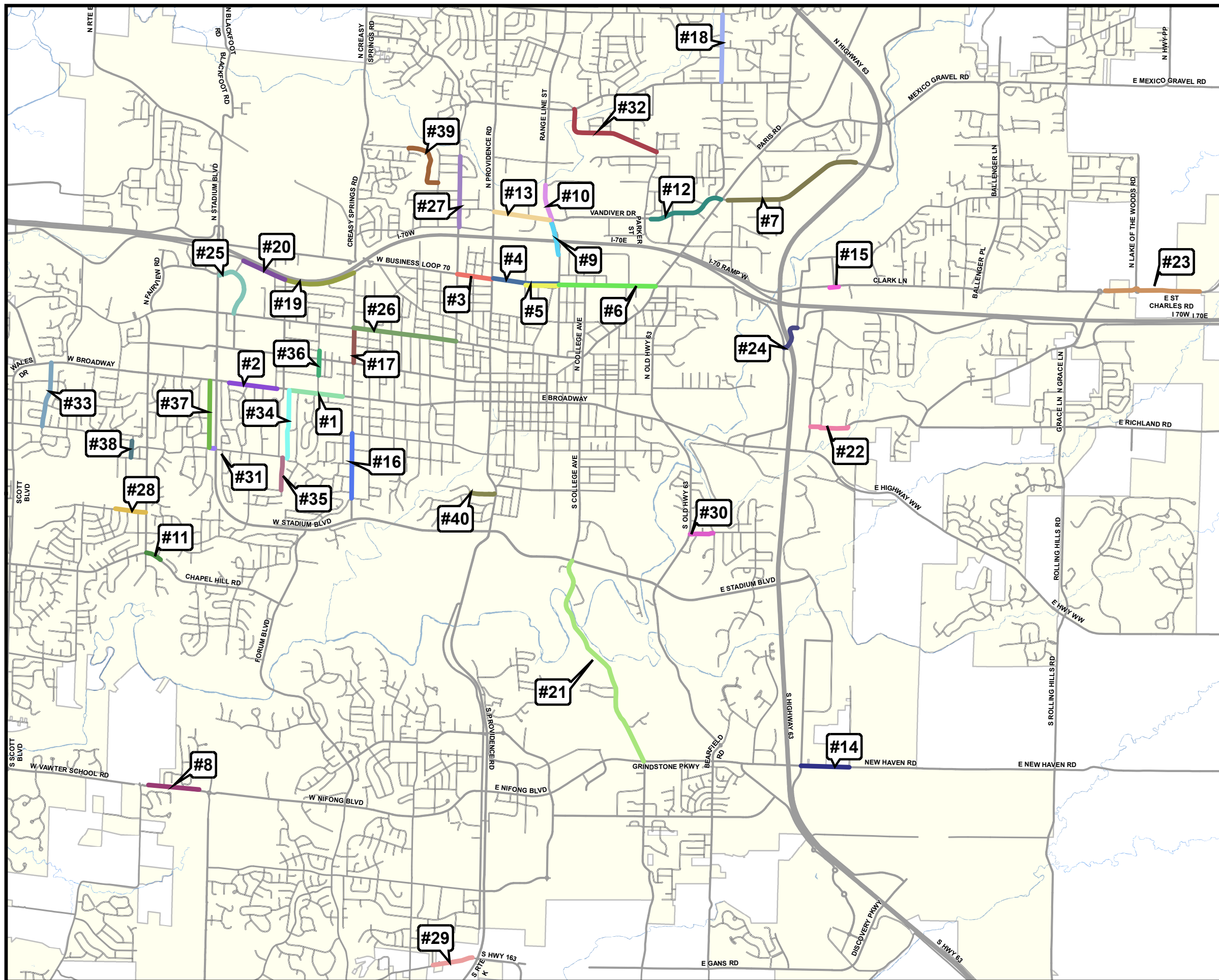
Cost per foot: \$316.09

NOTE: the following locations have also been suggested by the BP Commission for pedestrian improvements:

A) Broadway, from W side 63 ramp to sidewalk on east side of US 63

B) I-70/US 63 interchange, ped-bike connectors on each leg

C) Stadium Blvd, N side, near Audobon to existing on east side US 63



Planning@CoMo.gov  
1 (573) 874-7239

## 2022 Sidewalk Master Plan - Project Listing

#	STREET NAME	PROJECT DESCRIPTION	STATUS
1	BROADWAY	Broadway east of Maplewood to west of West Blvd	KEEP
2	BROADWAY	Broadway from east of Stadium to west of Manor	KEEP
3	BUSINESS LOOP 70	Business Loop 70 Garth to Providence both sides	KEEP
4	BUSINESS LOOP 70	Business Loop 70 from Providence to Rangeline St., north side	KEEP
5	BUSINESS LOOP 70	Business Loop 70 from 7th St. to Rangeline St., south side	KEEP
6	BUSINESS LOOP 70	Business Loop 70 from Rangeline St. to Rte. B, both sides	KEEP
7	VANDIVER DR	Vandiver Drive, E. of Route B, existing sidewalk to Centerstate	KEEP
8	NIFONG BLVD	Nifong, west of Sinclair R. to Country Woods Rd., north side	KEEP
9	RANGE LINE STREET	Range Line, W side, Boone Electric to existing sidewalk S of Vandiver	NEW
10	RANGE LINE STREET	E side, Vandiver to Elleta Blvd	NEW
11	CHAPEL HILL RD	Fairview to east of Handley; Face Rock to east of Hillcrest	KEEP
12	VANDIVER DR	Vandiver Dr., Rte. B to west of Warwick, south side	KEEP
13	VANDIVER DR	Vandiver Dr., Providence to Range Line, south side	KEEP
14	NEW HAVEN ROAD	New Haven, Lemone Industrial to S. Warren Drive	NEW
15	CLARK LANE	Clark Lane, S side, across from Creekwood Parkway	NEW
16	WEST BLVD S	West Blvd S., Stewart Rd. to Westwinds Dr., both sides	KEEP
17	WEST BLVD N	West Blvd., Ash to Worley, east side	KEEP
18	OAKLAND GRAVEL RD	Oakland Gravel, Smiley Ln to Blue Ridge Rd	KEEP
19	I-70 DR SW	I-70 Dr. SW, West Blvd. to Clinkscapes, S side	KEEP
20	I-70 DR SW	I-70 Dr. SW, Clinkscapes to Beverly	KEEP
21	ROCK QUARRY RD	Rock Quarry, Stadium to Hinkson Creek Trail; Rte. AC to Nifong	KEEP
22	ST CHARLES ROAD	St. Charles Rd, Keene to H-Branch Trail, (N side to Albany, then S side)	NEW
23	ST CHARLES ROAD	St. Charles Rd, Clark Lane roundabout to Demaret Drive (N side)	NEW
24	CONLEY ROAD	Conley Road, I-70 Drive SE Pedestrian Connector	NEW
25	BERNADETTE DR	Bernadette, Worley to Stadium	KEEP
26	WORLEY STREET	Worley Street, West Blvd to Garth Ave (N side)	NEW
27	GARTH AVENUE	Garth Ave, Thurman to Texas (E side)	KEEP
28	BRAY AVE	Bray Ave, Fairview Rd. to existing sidewalk west of Subella	KEEP
29	OLD PLANK RD	Old Plank Rd. from Providence to Tessa Way, north side	KEEP
30	SHEPARD BLVD	Shepard Blvd., Old 63 S. to Danforth, south side	KEEP
31	ROLLINS ROAD	Rollins Rd., Stadium to Bourn Ave, north side	KEEP
32	NORTHLAND DRIVE	Northland, Blue Ridge to Parker Street	NEW
33	ROTHWELL DR	Rothwell Dr., Rollins Rd. to West Broadway, either side	KEEP
34	MAPLEWOOD DR	Maplewood Dr., West Broadway to Rollins Rd., east side	KEEP
35	MAPLEWOOD DR	Maplewood Dr., Rollins to Princeton, west side	KEEP
36	PERSHING RD	Pershing Rd., Gary to Pearl Ave., east side	KEEP
37	BOURN AVE	Bourn Ave., West Broadway to Rollins Road, either side	KEEP
38	CONCORD ST	Concord St., Arlington to Yorktown, west side	KEEP
39	PROCTOR DR	Proctor, Bear Creek Village Subdivision to Bear Creek Dr.	KEEP
40	BURNAM RD	Burnam Rd., Clarkson to Providence, north side	KEEP

NOTE ON STATUS: Keep indicates a project has been carried over from the 2013 MP; New indicates a new project. Eleven projects from the 2013 Sidewalk MP have been completed or are underway/funded and are not shown in this table. For more information, call the Community Development Department at: 573-874-7239



**AN ORDINANCE**

establishing a sidewalk maintenance and construction policy; and fixing the time when this ordinance shall become effective.

BE IT ORDAINED BY THE COUNCIL OF THE CITY OF COLUMBIA, MISSOURI, AS FOLLOWS:

SECTION 1. Policy Resolutions PR 354-82, PR 93-91A, R 386-80 and R 387-80 are hereby repealed and replaced with this ordinance.

SECTION 2. The City Manager shall periodically submit a list of sidewalk maintenance, repair and reconstruction priorities and funding recommendations to the City Council.

SECTION 3. The Director of Public Works is authorized to use city employees without specific City Council authorization to repair hazardous sidewalks less than one-half block in length.

SECTION 4. The following policies shall apply to maintenance, repair and construction of sidewalks in the central business district, which consists of the area bounded by College Avenue on the east, Elm Street and Elm Street extended on the south, Garth Avenue on the west, and Park Avenue and Park Avenue extended on the north:

(1) Improvements shall conform to specifications for sidewalk, curb and guttering; plantings (including standard grates, soil mix and types of trees); conduits and outlets; and sidewalk furnishings established by the Director of Public Works.

(2) Abutting property owners in the central business district shall be required to pay for fifty percent (50%) of defective sidewalk and curb and guttering replacement. Property owners shall also provide trenching for required conduits.

(3) Unless donated by the abutting property owner, the City shall provide and pay for installation of: non-defective sidewalk replacement; trees and soil mix; grates; conduits, outlets; and street furnishings.

(4) The City shall maintain all beautification projects within the right-of-way in the central business district.

(5) Approval by the Director of Public Works shall be required before any beautification project or improvement within the public right-of-way in the central business district is begun.

SECTION 5. The City shall be responsible for construction or repair of handicap ramps at the intersection of public streets or alleys.

SECTION 6. The City shall develop and maintain a Master Sidewalk Plan. Sidewalks shown on the plan shall be constructed at the City's expense, subject to the availability of funds, except that this provision shall not relieve any property owner of responsibilities for sidewalk construction associated with new development.

SECTION 7. Sections of sidewalks shown on the Master Sidewalk Plan in need of reconstruction shall be reconstructed at the expense of the property owner except that the City may pay up to one hundred percent (100%) of the cost of reconstruction subject to the availability of funds.

SECTION 8. Sections of sidewalks in single family areas or "affordable housing" areas shall be reconstructed up to one hundred percent (100%) by the City without tax billing the adjacent property owners.

SECTION 9. Sections of sidewalks in the Community Development Block Grant (CDBG) area will be constructed or reconstructed in the same manner as other areas except that CDBG funds will be used for the construction or reconstruction of sidewalks in the eligible areas whenever possible and property owners may obtain relief from any tax bills in the form of CDBG grants provided they meet residency and income eligibility requirements.

SECTION 10. Sections of sidewalks in subdivisions, platted after the enactment of the subdivision regulations requiring sidewalks on both sides of all streets shall be constructed at the property owners' expense, and if property owners fail to construct such sidewalks within a reasonable time after receiving notice, the sidewalks may be constructed by the City with special assessments levied against the properties for the entire cost of the construction.

SECTION 11. The cost for sections of sidewalks constructed or reconstructed as part of a street construction project will not be tax billed against adjacent property owners.

SECTION 12. This ordinance shall be in full force and effect from and after its passage.

PASSED this 3rd day of December, 2007.

Permanent Record  
Filed in Clerk's Office

**A POLICY RESOLUTION**

establishing a policy on requests for variances to subdivision regulation requirements for construction of sidewalks along unimproved streets.

WHEREAS, Chapter 25 of the City Code generally requires sidewalks to be constructed on both sides of all streets within a subdivision; and

WHEREAS, the City frequently receives requests for variances from these requirements when development occurs along unimproved streets which are not being constructed or reconstructed as part of the subdivision; and

WHEREAS, the City is committed to assuring safe pedestrian accommodations throughout the City while recognizing that there are occasions when standard sidewalks are not appropriate at the time of subdivision or development; and

WHEREAS, the City Council deems it necessary to adopt a policy statement to serve as a guide in reviewing and acting on requests for variances for sidewalks along unimproved streets in the City.

NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE CITY OF COLUMBIA, MISSOURI, AS FOLLOWS:

SECTION 1. The City Council shall review each request for a sidewalk variance along an unimproved street in the context that there must be a reasonable relationship between the proposed activity of a landowner and the requirement that the landowner construct a sidewalk and in the context that the public safety and welfare make it desirable to encourage pedestrian movement by providing safe walkways and sidewalks away from traffic lanes of streets.

SECTION 2. The City Council shall grant the requested variance without conditions only if it determines that the sidewalk is not needed or that the impact of the proposed development does not justify the requirement that the sidewalk be constructed.

SECTION 3. In determining the need for a sidewalk variance and in determining whether the impact of the proposed development justifies the requirement that the sidewalk be constructed, the City Council shall consider but not be limited to the following factors:

- a. The cost of constructing the sidewalk relative to the cost of the proposed development;

- b. Whether the terrain is such that sidewalks or walkways are physically feasible;
- c. Whether the sidewalk would be located in a developed area, on a low traffic volume local street without sidewalks;
- d. Current or future parks, schools or other pedestrian generators near the development for which a sidewalk or walkway would provide access.

SECTION 4. If the City Council finds that the proposed use of the land would justify the requirement that a sidewalk be constructed and that in the interest of public safety and welfare there is an immediate or near future need for a sidewalk or walkway at the location of the variance request, the City Council will approve the variance request only if an alternative walkway is provided or if the property owner pays the City for future construction of the sidewalk pursuant to Section 7 or if some other equitable arrangement for construction of a sidewalk or other pedestrian infrastructure improvement is made.

SECTION 5. Alternative walkways are defined as all weather pedestrian facilities constructed in accordance with plans and specifications approved by the Public Works Department. Alternative walkways may deviate in vertical and horizontal separation from the roadway in order to take advantage of natural contours and minimize the disturbance to trees and natural areas but must meet all requirements for handicap accessibility. Alternative walkways must be located on public easements but a walkway easement may be conditioned that if the walkways are no longer needed for a public purpose, the walkway easements will be vacated.

SECTION 6. When alternative walkways are permitted, plans, specifications and easements must be submitted prior to approval of the final plat abutting the unimproved street and construction must occur prior to the first certificate of occupancy within the platted area.

SECTION 7. If the City Council determines that the public safety and welfare would not be jeopardized, the Council may allow the property owner, in lieu of constructing an alternative walkway, to pay the City the equivalent cost of construction of a conventional sidewalk. The equivalent cost of construction of a conventional sidewalk shall be defined as the City's average cost of constructing portland cement concrete sidewalks by public bid during the two (2) calendar years prior to the year in which the variance request is submitted. Payment of the equivalent cost of a conventional sidewalk shall occur:

- a. Prior to approval of the first final plat when the variance is approved in connection with a preliminary plat;

- b. Prior to issuance of the first building permit when approved with a final plat or planned development where no variance request has been made with the preliminary plat; or
- c. Prior to issuance of the certificate of occupancy when variance requests are approved on individual lots where final plats have been approved without variance request.

Each payment made under this section shall be used to construct a sidewalk along the unimproved street adjacent to the property for which the payment was made. The sidewalk shall be constructed when the street is constructed to City standards.

SECTION 8. In all cases, when alternative walkways or payments under Section 7 are approved as fulfilling the subdivision requirements for construction of sidewalks, the action of Council shall be noted on a final plat of the properties affected. In cases where final plats have been previously approved, re-platting may be required.

SECTION 9. The grant of a variance to the subdivision regulations requirement for construction of a sidewalk shall not affect the power of the City Council to later install a sidewalk adjacent to the property and levy a special assessment against the property for construction of the sidewalk.

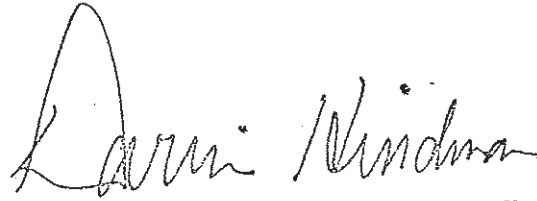
SECTION 10. This resolution replaces Policy Resolution 171-01A which is hereby repealed in its entirety.

ADOPTED this 20th day of March, 2006.

ATTEST:



City Clerk



Mayor and Presiding Officer

APPROVED AS TO FORM:



City Counselor