

Introduced by _____

First Reading _____

Second Reading _____

Ordinance No. _____

Council Bill No. B 5-09

AN ORDINANCE

authorizing the City Manager to execute an agreement with Boone County, Missouri relating to road improvements on Rolling Hills Road, from State Route WW to New Haven Road; 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. The City Manager is hereby authorized to execute an agreement with Boone County, Missouri relating to road improvements on Rolling Hills Road, from State Route WW to New Haven Road. The form and content of the agreement shall be substantially as set forth in "Exhibit A" attached hereto and made a part hereof as fully as if set forth herein verbatim.

SECTION 2. This ordinance shall be in full force and effect from and after its passage.

PASSED this _____ day of _____, 2009.

ATTEST:

City Clerk

Mayor and Presiding Officer

APPROVED AS TO FORM:

City Counselor

**ROAD IMPROVEMENT AGREEMENT
ROLLING HILLS ROAD**

THIS AGREEMENT dated the 4th day of December, 2008, is made by and between Boone County, Missouri, through its County Commission (herein "County"), and the City of Columbia, Missouri (herein "City").

WHEREAS, the County and City desire to participate in a public works project that both parties anticipate will be completed in three phases over several years; and

WHEREAS, the time frames contemplated by the parties make precise estimates of costs difficult, if not impossible, to obtain at this time; and

WHEREAS, the County has borne the design costs for a conceptual plan for the eventual construction of a 4 lane roadway as well as the design costs for the final design of the 2 west lanes and build-out of an appropriate approach to Route WW; and

WHEREAS, the parties desire to memorialize their agreement as to how the project will be conducted and how each will bear responsibility for completion of certain portions of said project; and

WHEREAS, at the completion of the County's portion of the project the parties contemplate that the ownership and maintenance of the road will be transferred to the City;

NOW, THEREFORE, the County and City Agree as follows:

1. The parties agree that Rolling Hills Road, from New Haven Road to Route WW, is in need of improvement.
2. The improvements contemplated by the parties are memorialized in an engineering report dated July 3, 2008, from Poepping, Stone, Bach & Associates, Inc., which is attached hereto and incorporated herein by reference.
3. The County and City may, by future agreement, specifically outline their construction and payment responsibilities for the public work contemplated herein, but the parties have agreed as follows:

- A) The County will be responsible for 100% of the cost related to the construction of a 5 ft. wide sidewalk along the entire west side of the improvements;
- B) The City will be responsible for 100% of the cost related to the utility relocation of the AmerenUE gas main along the east side of the improvements necessary for Phase III;
- C) The County and City contemplate that they will share the other anticipated expenses in the proportions set out in the incorporated engineering report and attached exhibits;
- D) After completion of the west lanes by the County, the roadway will become part of the City street system and City shall be solely responsible for the maintenance of the improved road section, as well as the completion of Phase III which will widen the road to 4 lanes.

4. The parties will cooperate with each other to obtain all necessary easements for the construction work contemplated herein and may make further agreements regarding the acquisition of any necessary right of way.

IN WITNESS WHEREOF, the individual parties constituting and representing the County and City, through their original and duly authorized representative signatories have executed this Agreement on the day and year first above written.

BOONE COUNTY, MISSOURI
Through Its County Commission

By:



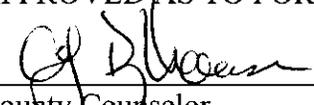
Ken Pearson, Presiding Commissioner

ATTEST:



County Clerk

APPROVED AS TO FORM:



County Counselor

CITY OF COLUMBIA, MISSOURI

By: _____
H. William Watkins, City Manager

ATTEST:

Sheela Amin, City Clerk

APPROVED AS TO FORM:

Fred Boeckmann, City Counselor

I hereby certify that the above expenditure is within the purpose of the appropriation to which it is charged, Account No. 440-8800-528.49-90, C00433, and that there is an unencumbered balance to the credit of such appropriation sufficient to pay therefor.

Lori B. Fleming, Director of Finance



POEPPING, STONE, BACH & ASSOCIATES, INC. ARCHITECTS . ENGINEERS . PLANNERS . SURVEYORS

www.psba.com

Rolling Hills Road: New Haven Road to Route WW Boone County and City of Columbia

Phase I Improvements – A Boone County Public Works project to replace the existing bridge, construct intersection at Route WW and reconstruct 2-lanes to a match point approximately 1,000 ft south of WW. This Phase I more specifically involve the full construction of a box culvert and provide an intersection to match proposed improvements north of WW on Rolling Hills Road into the Old Hawthorne development. This intersection most likely will be signalized and allow for 2-thru lane (north and south), a left turn lane and right turn lane (on and off) of Route WW. This multi lane section will taper back into the existing 2-lanes of Rolling Hills Road approximately 700-ft south of Route WW. Phase I will require constructing much of the City portion of Rolling Hills Road for this intersection. An 8-ft wide multi-use path will be provided from WW to the end of improvements on the east side (north bound lane) and a 5-ft sidewalk will be constructed from WW to the end of improvements on the west side.

Several tasks must be completed for Phase I construction to occur. Right-of-way and easements must be acquired, which includes the purchase and demolition of a homestead residence. Utilities must be relocated which include an 8" gas main, 12" water line, telephone cable, and 3 phase power line. It is expected that Boone County and the City of Columbia will have budgeted funds to allow for ROW acquisitions in 2008, utility relocation in 2009 and construction of Phase I improvements in 2010.

Phase II Improvements – A Boone County Public Works project to replace the existing 2-lanes of Rolling Hills Road from near New Haven Road to the end of Phase I improvements. When complete, Phase II will provide the traveling public a 40 mph, 2-lane roadway with bike lane (south bound lane) and 5-ft sidewalk. The Phase II improvements will have storm sewers, curbs and be designed to allow for widening to a 4-lane section with a center median and 8-ft multi-use path by the City of Columbia in Phase III.

Phase II improvements will not involve pre-grading the Phase III section of Rolling Hills Road. That earthwork would require the immediate relocation of a new 8" gas main and increase a public perception of a timely widening to 4 lanes. Right-of-way acquisition would include a utility easement for the future relocation of this gas main along the east right-of-way and a utility easement for water, electric and telephone along the west right-of-way.

The County agrees to pay 100% for the construction a 5-ft wide sidewalk along the entire west side of the improvements. The City agrees to pay 100% for any future utility relocation costs related to the AmerenUE gas main along the east side for Phase III (widening Rolling Hills Road to 4-lanes).

Several tasks must be completed for Phase II construction to occur. Remaining right-of-way and easements must be acquired. Utility relocation of a 12" water main, 3 phase power line, a telephone cable, and new anchors installed for an electric transmission tower at New Haven Road. It is expected that Boone County and the City of Columbia will have budgeted funds to allow for ROW acquisitions in 2009, utility relocation in 2010 and construction of Phase II improvements in 2011.

At the completion of Phase II improvements, the maintenance of Rolling Hills Road from New Haven to Route WW will be transferred to the City.

Phase III Improvements – A City of Columbia Public Works project to widen the 2-lane Rolling Hills Road constructed in 2010 & 2011 to 4 lanes. Phase III will involve adding 2 more traffic lanes with a bike lane, curbs, storm sewers, and a 10-ft multi-use path along the entire length of the project from New Haven to the completed Route WW intersection.

There is no target date for the completion of Phase III. The increase of traffic or future development north or south of this section of Rolling Hills Road will determine the date of Phase III improvements.

The existing 8" gas main will require relocation at the time of Phase III. The right-of-way and easement acquisition in Phase II will have secured the necessary land for this utility to relocate.

Douglas B. Seeber, P.E.
Project Engineer
Poepping, Stone, Bach & Associates, Inc.
July 3, 2008



Poepping, Stone, Bach & Associates, Inc.

County, Illinois, Board of Local Public Health, Madison, www.psbainc.com

Prepared by Douglas B. Seeber, P.E.
July 3, 2008

2009						
TASK	TARGET DATE	COUNTY		CITY		TOTAL EXPENSES
		%	\$	%	\$	
Utility Relocation (Phase I)	01/07/09 - 09/09/09					
Water Dist. #9: 1300 Ft., 12" Water		50%	\$26,000	50%	\$26,000	\$52,000
Boone Elec. Co-op.: 1300 Ft., 3 Phase Power		50%	\$29,500	50%	\$29,500	\$59,000
AmerenUE - Gas: 1300 Ft., 8" Gas		50%	\$16,500	50%	\$16,500	\$33,000
Century Telephone: Bury Cable						\$0
Complete ROW Plats (Phase II & III)	1/20/09					
ROW Acquisition (Phase II & III)	1/28/09 - 04/01/09					
Sorenson ROW 3.15 Ac, PE/TE 0.64 Ac, Utility 0.80 Ac		50%	\$31,000	50%	\$31,000	\$62,000
Brown/Behymer/Mertz/Moore/Licklider/Sapp/Harrison/Cecich/Denson/Hayes						
ROW 1.62 Ac		50%	\$20,000	50%	\$20,000	\$40,000
PE/TE 0.67 Ac		50%	\$2,000	50%	\$2,000	\$4,000
Utility 1.87 Ac		50%	\$17,500	50%	\$17,500	\$35,000
ROW Acquisition (Phase I) (Homestead)	12/10/09	50%	\$90,000	50%	\$90,000	\$180,000
Construction Permits (Phase I)						
DNR, COE, MoDOT, City-County	12/9/09					
Advertise for Bids (Phase I)	12/16/09					
SUB-TOTAL			\$232,500		\$232,500	\$465,000

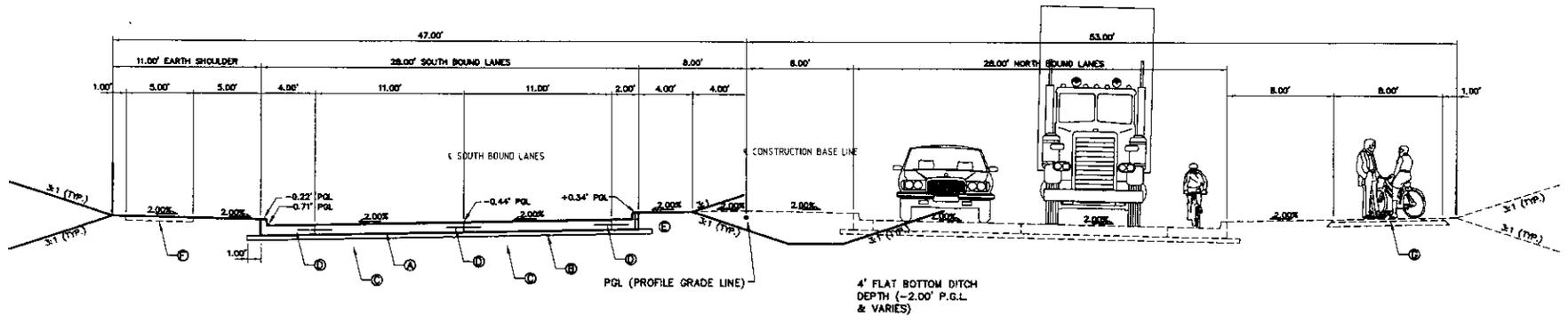


Poepping, Stone, Bach & Associates, Inc.

5000 E. Main Street, Suite 100, Springfield, MO 65802

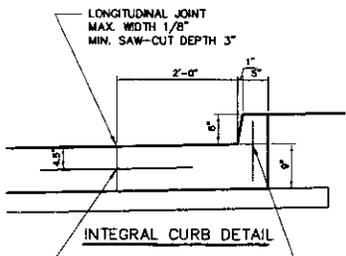
Prepared by Douglas B. Seeber, P.E.
July 3, 2008

2010						
TASK	TARGET DATE	COUNTY		CITY		TOTAL EXPENSES
		%	\$	%	\$	
Open Bids (Phase I)	1/20/10					
Construction (Phase I)	04/21/10 - 04/21/11					
Boone Co: Sta. 58+40 - 69+70		100%	\$495,000			\$495,000
Columbia: Sta. 62+50 - 69+70				100%	\$315,000	\$315,000
Utility Relocation (Phase II)	01/20/10 - 12/15/10					
Central Elec. Co-Op.: Re-anchor Tower		50%	\$27,500	50%	\$27,500	\$55,000
Water District No. 9: 4800 Ft. 12" Water		50%	\$101,000	50%	\$101,000	\$202,000
Boone Electric Co-Op.: 4800 Ft. 3 Phase Power		50%	\$113,000	50%	\$113,000	\$226,000
AmerenUE Gas: Use in Place						\$0
Century Telephone: Bury Cable						\$0
Construction Permits (Phase II)						
DNR, COE, MoDOT, City-County	12/8/10					
Advertise for Bids (Phase I)	12/15/10					
SUB-TOTAL			\$736,500		\$556,500	\$1,293,000



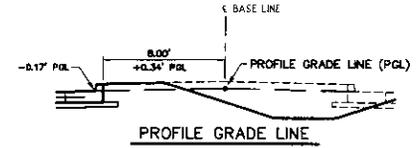
1 TYPICAL SECTION: ROLLING HILLS ROAD
 TS-01 NORMAL CROWN SECTION

- Ⓐ 9" PCC PAVEMENT W/ 6" INTEGRAL CURB & 15' JOINT SPACING
- Ⓑ 4" TYPE 1 AGGREGATE FOR BASE
- Ⓒ COMPACTED SUBGRADE
- Ⓓ #5 X 30" TIE BAR @ 30" CTR'S
- Ⓔ WITH PERMISSION CURB CONST. JT.
- Ⓚ #4 X 12" TIE BAR @ 24" CTRS.
- Ⓛ 4" PCC SIDEWALK, 5.0' (BY OTHERS)
- Ⓜ MULTI-USE PATH, 10.0' (BY OTHERS)



LONGITUDINAL JOINT
 #5 X 30" TIE BAR
 @ 30" CENTERS

CONTRACTOR MAY CONSTRUCT INTEGRAL CURB
 ON UPSLOPE SIDE OF STREET USING
 #4 X 12" TIE BARS @ 24" CENTERS



THE PROFILE GRADE LINE (PGL) IS BASED ON
 AN EXTENSION OF THE NORMAL CROSS-SLOPE.
 PAVEMENT WILL BE SUPERELEVATED
 (AS NEEDED) ABOUT THIS PGL.

Project No.	03/2008
Revision	03/2008
Drawn	DBS
Checked	DBS
Scale	XXX
Notes	NOTED
File No.	TS-01
Sheet	XX of XX
Date	

ROLLING HILLS ROAD
 NEW HAVEN TO HIGHWAY WW
 BOONE COUNTY PUBLIC WORKS
 TYPICAL SECTION & DETAILS

PSBA

POPPING STONE MOULI ASSOCIATES, INC.
 100 SOUTH MAIN STREET, SUITE 100, BOONE, MO 64608
 660-261-1111
 100 SOUTH MAIN STREET, SUITE 100, BOONE, MO 64608
 660-261-1111
 www.psbainc.com

Source
John Glascock



TO: City Council
FROM: City Manager and Staff 
DATE: December 16, 2008
SUBJECT: Rolling Hills Road, from State Route WW to New Haven Road
Cost Share Agreement with Boone County

Fiscal Impact

- Yes
- No

Other Info.

EXECUTIVE SUMMARY

Staff has prepared for Council consideration an ordinance authorizing the City Manager to execute an agreement between the City of Columbia and Boone County regarding the road improvements to Rolling Hills Road. The section covered by this agreement extends from State Route WW south to New Haven Road as shown on the attached sketch. The agreement is based upon a phasing/cost share plan sharing the expense of right of way, utility relocation and construction necessary to build two lanes of an ultimate four (4) lane facility over a four (4) year schedule as described in the attached Exhibit A.

DISCUSSION

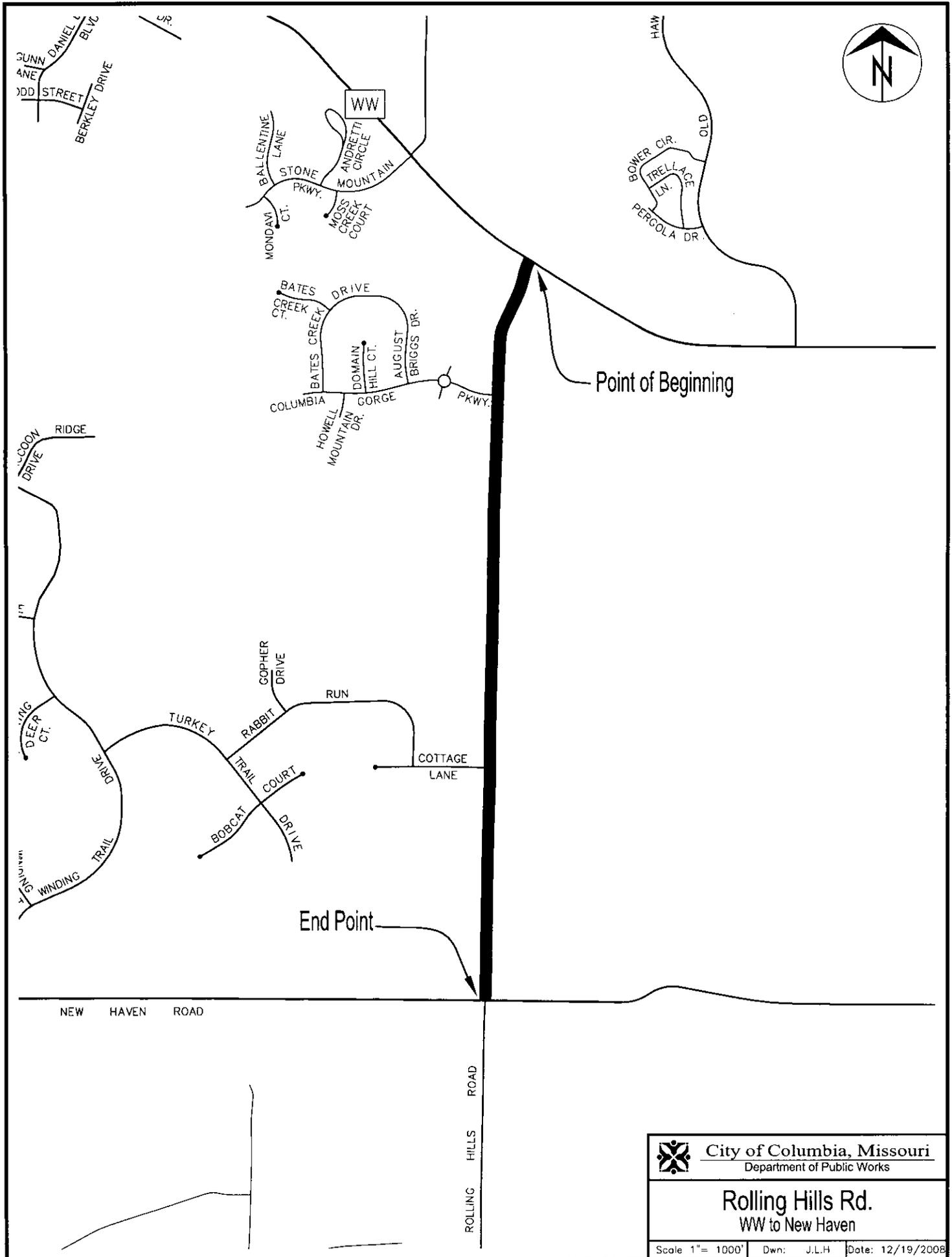
The subject agreement sets out a cost-share arrangement for different phases of improvements over a four year schedule for the County's Rolling Hills Improvement project. The phasing schedule and scopes of work are based upon the City and County's ability to prepare and fund within their annual budgets through year 2011. The County has previously funded the engineering design costs and they are not included with this agreement. The first year costs are shared equally and include Phase I work consisting of a portion of right of way expenses on the north section of the project. The first year's estimated total cost is \$104,000. The second year's work is also a 50/50 cost share and includes Phase I utility relocations, completion of the Phase II & III right of way acquisitions, and acquiring all permits. These costs are estimated at \$482,000. The third year's work includes the Phase I construction, and the Phase II utility relocations with a cost of \$736,500 for the County and the City's portion of \$556,500. The fourth year includes the Phase II construction costing approximately \$2,220,000 and will be funded by the County. The ultimate four (4) lane build out is anticipated to be out in future years and unknown at this time. When traffic demands are such that full build out is needed, it is anticipated that this will be a city funded project.

Funding for the first and second year's cost share will come from the 2005 Quarter Cent Sales Tax fund.

Staff is recommending Council approval of the ordinance authorizing the City Manager to execute the agreement with Boone County relating to the Rolling Hills Road Improvement Project.

SUGGESTED COUNCIL ACTION

Approval of the ordinance.



Point of Beginning

End Point

NEW HAVEN ROAD

ROLLING HILLS ROAD

	City of Columbia, Missouri Department of Public Works	
	Rolling Hills Rd. WW to New Haven	
Scale 1" = 1000'	Dwn: J.L.H.	Date: 12/19/2008