

Proposed Revisions to the City's Major Roadway Plan

AGENDA REPORT PLANNING AND ZONING COMMISSION MEETING OCTOBER 23, 2008

ITEM NO.

08-87

ITEM

A City Council-directed proposal to make amendments to the City's Major Roadway Plan.

Included are the following items:

1. Existing Boone County collector streets and city streets and three related future street sections.
2. New local non-residential street connections in the Route 763 corridor.
3. Removal of the Cunningham Road extension, from the existing road terminus north of Bray Avenue to Rollins Road.

DISCUSSION

The City Council has directed staff and the Planning and Zoning Commission to proceed with revisions to the City's Major Roadway Plan (MRP). With the exception of the Cunningham Road item, the source for these revisions is the updated CATSO Major Roadway Plan, most recently adopted as part of the CATSO 2030 Transportation Plan approved by the CATSO Coordinating Committee in May, 2008. The CATSO plan contains a number of additional roadways not present in the existing City Plan, which was last updated in 2005. This is the initial set of revisions for consideration by the Commission.

The individual streets are listed in the accompanying spreadsheet. Given the large number of proposed MRP amendments initially being reviewed by CATSO staff, the amendment proposals were organized into geographical study areas to make for a more orderly process of reviewing and considering the amendments. The roadway corridors are categorized under the name of the MRP amendment study area in which they are located, e.g. East Boone County. The first amendments to be adopted by the CATSO Coordinating Committee were existing streets only, with the noted exceptions. More recently, amendments including proposed new roadways were approved by the CATSO Coordinating Committee for four of the study areas. These will be brought to the Commission for review at a later date.

This proposal for MRP revisions is made up of the following general categories:

1. Addition of existing streets currently classified by Boone County as collector streets, plus three related new segments, along with a smaller number (5) of existing streets within the City limits.

These streets were added to the CATSO MRP in December, 2006. There are 52 separate street segments in this group. Most of the streets are classified in the MRP as arterials (4) and collectors (45), although three of them are designated as local streets and are included for connectivity purposes. The streets designated as arterials in the CATSO MRP are Route B, Route HH, Route Z (north of Mexico Gravel Road) and Rangeline Road. A segment of Mexico Gravel Road, plus the sections of the Outer Road (I-70 access roads on both north and south sides of I-70) east of Route Z, are designated as local streets.

Also included with these existing streets are three future segments. These are the realignment of Brushwood Lake Road from Scott Boulevard to a point approximately 1100' west of Scott, a connection between Nursery Road and Timber View Drive, and the future extension of Thornbrook Parkway from its existing terminus to Brushwood Lake Road. Brushwood Lake Road is a neighborhood collector street, and the realignment would provide for a four way intersection at the existing T-intersection of Scott Boulevard and Vawter School Road. Nursery Road and Timber View are both neighborhood collectors, the future segments extends west from the existing terminus of Timber View to a future extension of Nursery Road south from its current terminus.

2. Adding nine new local non-residential street connections in the Route 763 (Rangeline Street) corridor.

These future streets are to provide parallel connectivity between subdivisions along Route 763. These will provide public access for shorter trips in the corridor without requiring motorists to utilize Route 763 for such trips. The provision of these connections will improve the level of service on Route 763 and decrease the number of turning movements on & off the roadway. These revisions were added to the CATSO MRP in December, 2007. A description of these streets is contained in the attached spreadsheet and map.

3. Removal of the Cunningham Road extension from just north of Bray Avenue to Rollins Road. This extension also still exists in the CATSO MRP. Staff prepared a report on the potential removal of the extension which was reviewed by the City Council at their meeting of August 4, 2008. At the same meeting, the Council passed a resolution to request that CATSO review and give consideration to the removal of this future roadway from the CATSO MRP.

Cunningham Road is classified as a neighborhood collector street on the Major Roadway Plan (MRP). Its existing portion is approximately .49 mile in length, and runs north-south between Chapel Hill Road and just north of Bray Avenue, lining up with Grant Lane on the south side of Chapel Hill Road. The planned portion of Cunningham as shown on the MRP extends north from Bray Avenue, swinging to the northeast and skirting the west side of the residential properties fronting on Westport Drive. The planned extension is approximately .55 mile in length and would terminate at Rollins Road, which is also a neighborhood collector street.

The majority of the extension would be located in the undeveloped City Park property donated by the Russell family, and now known as Bonnie View Park. The preferred plan for the development of Bonnie View Park (so-called Option A) of the City of Columbia Parks & Recreation Department does not include the Cunningham Road extension. This option was approved by the Columbia Parks & Recreation Commission in 2003. Also in 2003, the Columbia Planning & Zoning Commission recommended the removal of the extension from the City's MRP.

The planned alignment on the MRP was designed to avoid a crossing of Scott's Branch, as well as to minimize disturbances to existing forested areas. A previous staff report in 2003 discussed the possibility of moving the extension 1,000' to the west to link directly to the existing roundabout on Rollins Road.

The purpose of the Cunningham extension is to provide another north-south public access between the residential areas south of Bray, and north of Rollins Road. Currently, residents must travel east to Fairview Road, a major collector street one mile east of Scott Boulevard, in order to travel north-south between the neighborhoods. Cunningham would provide improved neighborhood connectivity, as currently there is a distance of one mile between Fairview Road and Scott Boulevard, a major arterial street. The Cunningham extension would give residents a more direct north-south connection. It also would provide another public street access to the Bonnie View Park property. The street extension corridor also is shown as a pedway in the adopted CATSO 2030 Long-Range Transportation Pedestrian and Bicycle Network Plan.


A possible alternative to the construction of the Cunningham Road extension would be the construction of a pedway/trail facility to provide a direct link to Rollins Road in the northern part of the park property. The Bicycle and Pedestrian Commission recommended this alternative at their meeting of August 20, 2008.

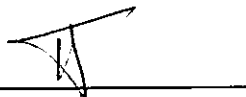
STAFF RECOMMENDATION

- Approval of the addition of the existing county collector streets and city streets, along with the three related new segments, to the City's MRP.

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- Approval of the addition of the nine new local non-residential street segments in the Route 763 corridor to the City's MRP.
- Approval of the removal of the future extension of Cunningham Road from the City's MRP, and retention of the Cunningham Road extension corridor on the pedestrian and bicycle network component of the Long-Range Transportation Plan, as recommended by the Bicycle and Pedestrian Commission, or retention of the Cunningham Road extension on the City's Major Roadway Plan.

Report prepared by 

Approved by 

Proposed Roadway Plan amendments for consideration at October 23, P & Z Commission Public Hearing

Amd. ID	Street Name	Functional Class	Status	From:	To:
<i>New Additions - Existing County Collector Streets</i>					
(Midway)					
M-2	Boothe Lane	Major Collector	Existing	Lathrop School Road	Westlake Road
(Northwest)					
NW-1	Bell Road	Major Collector	Existing	Locust Grove Church Road	O.B. Brown Rd
NW-2	O.B. Brown Road	Major Collector	Existing	Bell Road	Akeman Bridge Road
NW-3	Akeman Bridge Road	Major Collector	Existing	O.B. Brown Road	Route VV
NW-5	Hinton Road	Major Collector	Existing	Route VV	US Hwy 63
NW-6	O'Neal Road	Major Collector	Existing	North of Fenton Road	Akeman Bridge Road
NW-10	Wade School Road	Major Collector	Existing	Mauler Road	Akeman Bridge Road
NW-12	Fenton Road	Major Collector	Existing	O'Neal Road	Creasy Springs Road
(North US 63)					
N63-1	Calvert Hill Road	Major Collector	Existing	US Hwy 63	Boatman Hill Road
N63-2	McGee Road	Major Collector	Existing	Boatman Hill Road	North Brown Station Rd
N63-4	Wagon Trail Road	Neighborhood Collector	Existing	Calvert Hill Road	Oakland Church Road
N63-5	Oakland Church Road	Neighborhood Collector	Existing	Wagon Trail Road	Western terminus
N63-6	Clays Fork Road	Neighborhood Collector	Existing	Wagon Trail Road	Oakland Gravel Road
N63-7	Boatman Hill Road	Neighborhood Collector	Existing	Ketterer Road	Calvert Hill Road
N63-8	Oakland Gravel Road	Neighborhood Collector	Existing	Oakland Church Road	Ketterer Road
N63-9	Ketterer Road	Neighborhood Collector	Existing	Oakland Gravel Road	North Brown Station Rd
N63-10	Route B	Minor Arterial	Existing	Route HH	McGee Road
N63-11	North Brown Station Road	Major Collector	Existing	Route HH	McGee Road
(Northeast)					
NE-1	Spiva Crossing Road	Major Collector	Existing	North Brown Station Road	Phillipe Road
NE-2	O'Rear Road	Neighborhood Collector	Existing	North Brown Station Road	Route HH
NE-7	Phillipe Road	Major Collector	Existing	Route HH	Spiva Crossing Road
NE-10	Route HH	Minor Arterial	Existing	Kircher Road	Route Z
(Route Z)					
Z-2	Mount Hope Road	Neighborhood Collector	Existing	Liddell Lane	Route Z
Z-3	Route Z	Minor Arterial	Existing	Liddell Lane	Route HH
Z-13	Thompson Road	Neighborhood Collector	Existing	Wyatt Lane	Route PP

Amd. ID	Street Name	Functional Class	Status	From:	To:
(East Boone County)					
EBC-1	Judy School Road	Major Collector	Existing	Route Z	Glendale Drive
EBC-2	Andrews Lane	Neighborhood Collector	Existing	Mexico Gravel Road	Route Z
EBC-3	Mexico Gravel Road	Major Collector	Existing	Route Z	Glendale Drive
EBC-6	St.Charles Road	Major Collector	Existing	Route Z	Glendale Drive
EBC-10	Outer Road North	Local Non-residential	Existing	Route Z	Dozier's Station Road
EBC-11	Dozier's Station Road	Major Collector	Existing	Outer Road North	St.Charles Road
EBC-12	Outer Road South	Local Non-residential	Existing	Rangeline Road	Purdy Lane
EBC-13	Carter School Road	Major Collector	Existing	Rangeline Road	Outer Road South
(Oakland)					
O-5	Mexico Gravel Road	Local Residential	Existing	Route B	Brown Station Road
O-7	Hinkson Creek Road	Major Collector	Existing	Mexico Gravel Road	Circumferential Arterial
(South Farm)					
SF-9	Rangeline Road	Major Arterial	Existing	Vemers Ford Road	New Haven Road
(South US 63)					
S63-5	Ponderosa Street	Major Collector	Existing	Southern terminus	Bonne Femme Church Rd
S63-10	Route AB	Major Collector	Existing	US Hwy 63	Rangeline Road
S63-11	Deer Park Road	Neighborhood Collector	Existing	Western terminus	US Hwy 63
S63-12	Bennett Drive	Neighborhood Collector	Existing	Southern terminus	Highway 163
(Rock Quarry)					
RQ-1	Buttonwood Drive	Major Collector	Existing	Grindstone Parkway	Green Meadows Road
(Scott Boulevard)					
SB-1	Brushwood Lake Rd Realign	Neighborhood Collector	Future	Scott Boulevard	Approx.1100' W of Scott
SB-3	Thornbrook Parkway	Neighborhood Collector	Existing/Future	Scott Boulevard	Brushwood Lake Road
SB-11	Highlands Parkway	Neighborhood Collector	Existing	Forum Boulevard	Bentpath Drive
(Route K)					
K-4	Mt. Celestial Road	Neighborhood Collector	Existing	Route K	Route K
K-5	Warren School Road	Neighborhood Collector	Existing	Mt.Celestial Road	Old Plank Road
K-6	Timber View Dr/Nursery Rd	Neighborhood Collector	Existing/Future	Route K	Old Plank Road
K-7	Old Plank Road	Major Collector	Existing	West Dothage Road	Route K
K-9	Smith Hatchery Road	Major Collector	Existing	West Dothage Road	Old Plank Road
K-11	West Dothage Road	Neighborhood Collector	Existing	Old Plank Road	Smith Hatchery Road
K-13	Stanley Poe Road	Major Collector	Existing	High Point Lane	Route N
K-14	Route N	Major Collector	Existing	Stanley Poe Road	High Point Lane

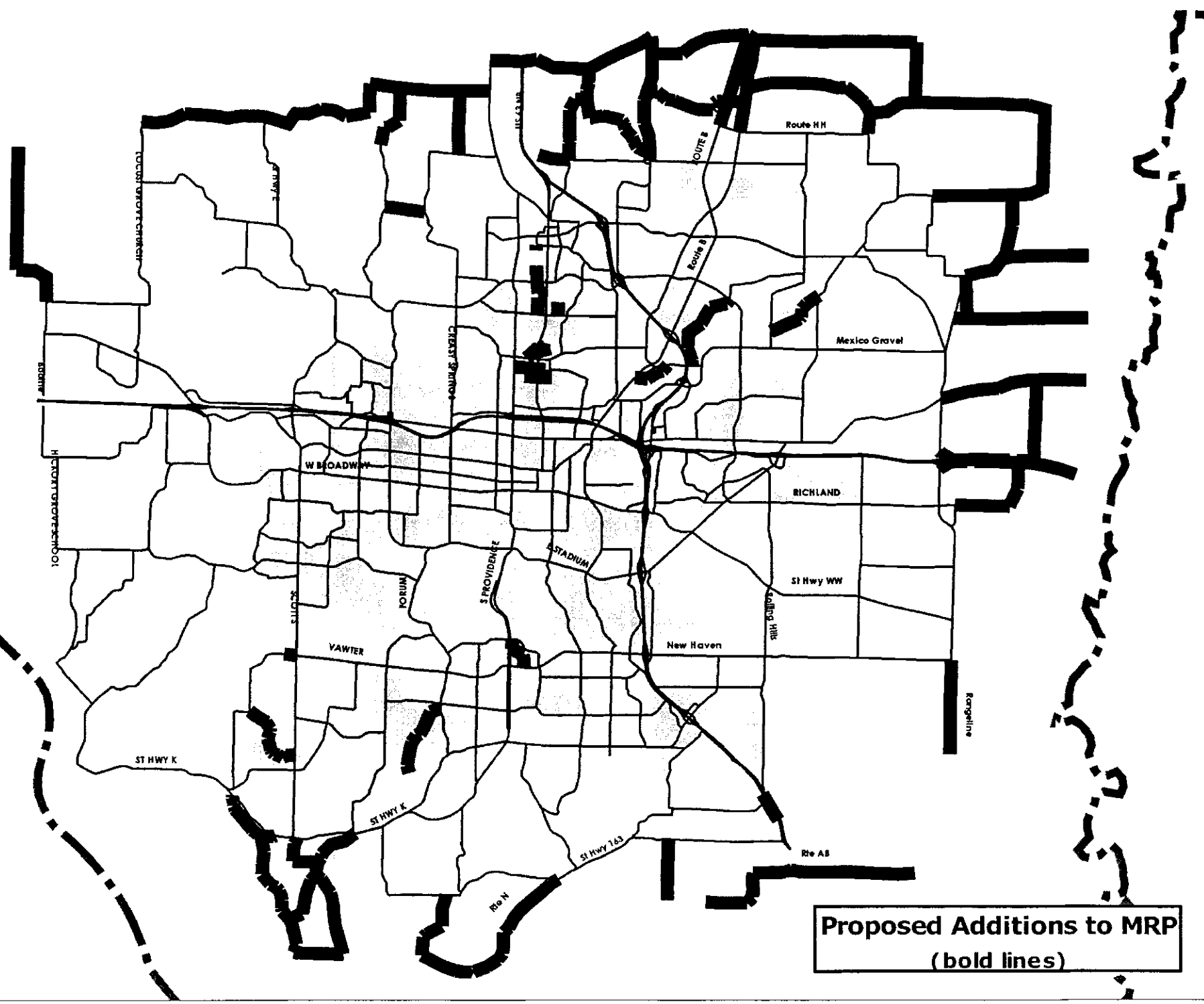
Amd. ID	Street Name	Functional Class	Status	From:	To:
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New Additions - Route 763 corridor local street connections

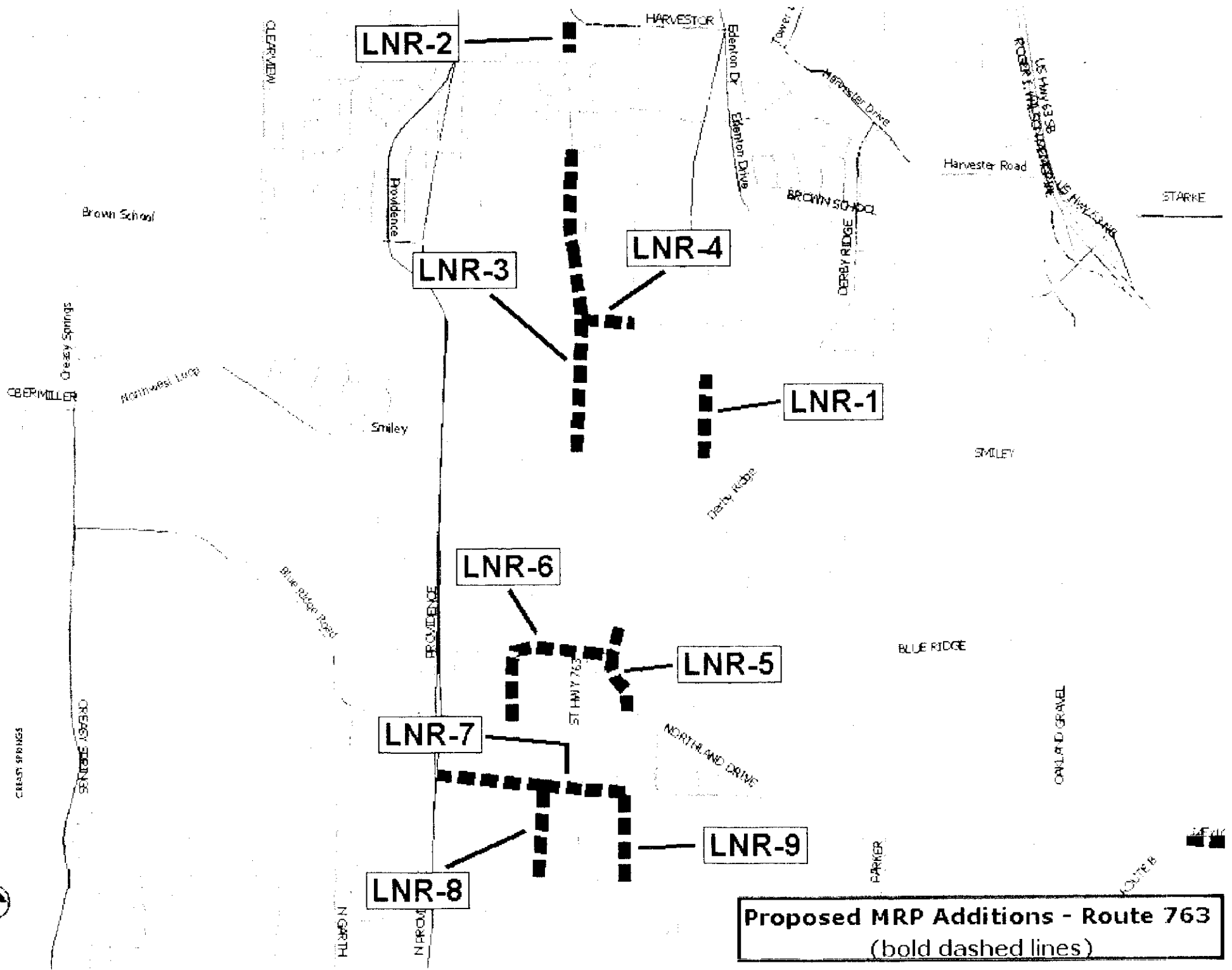
LNR-1	*NA*	Local Non-residential	Future	Interstate Drive terminus	Smiley Lane
LNR-2	*NA*	Local Non-residential	Future	Lotus Loop terminus	Planned MRP Local street extension (Harvester Drive extended W of Rangeline)
LNR-3	*NA*	Local Non-residential	Future	Almond Drive south terminus	Smiley Lane
LNR-4	*NA*	Local Non-residential	Future	Street LNR-3	Rangeline Street (Route 763)
LNR-5	*NA*	Local Non-residential	Future	Chippewa Drive terminus	Northland Drive
LNR-6	*NA*	Local Non-residential	Future	Street LNR-5	Blue Ridge Road
LNR-7	*NA*	Local Non-residential	Future	Providence Road (N of Big Bear)	East of Rangeline
LNR-8	*NA*	Local Non-residential	Future	Street LNR-7	Big Bear Boulevard (W of Rangeline)
LNR-9	*NA*	Local Non-residential	Future	East terminus of LNR-7	Big Bear Boulevard (E of Rangeline)

Deletions of Existing MRP roadways

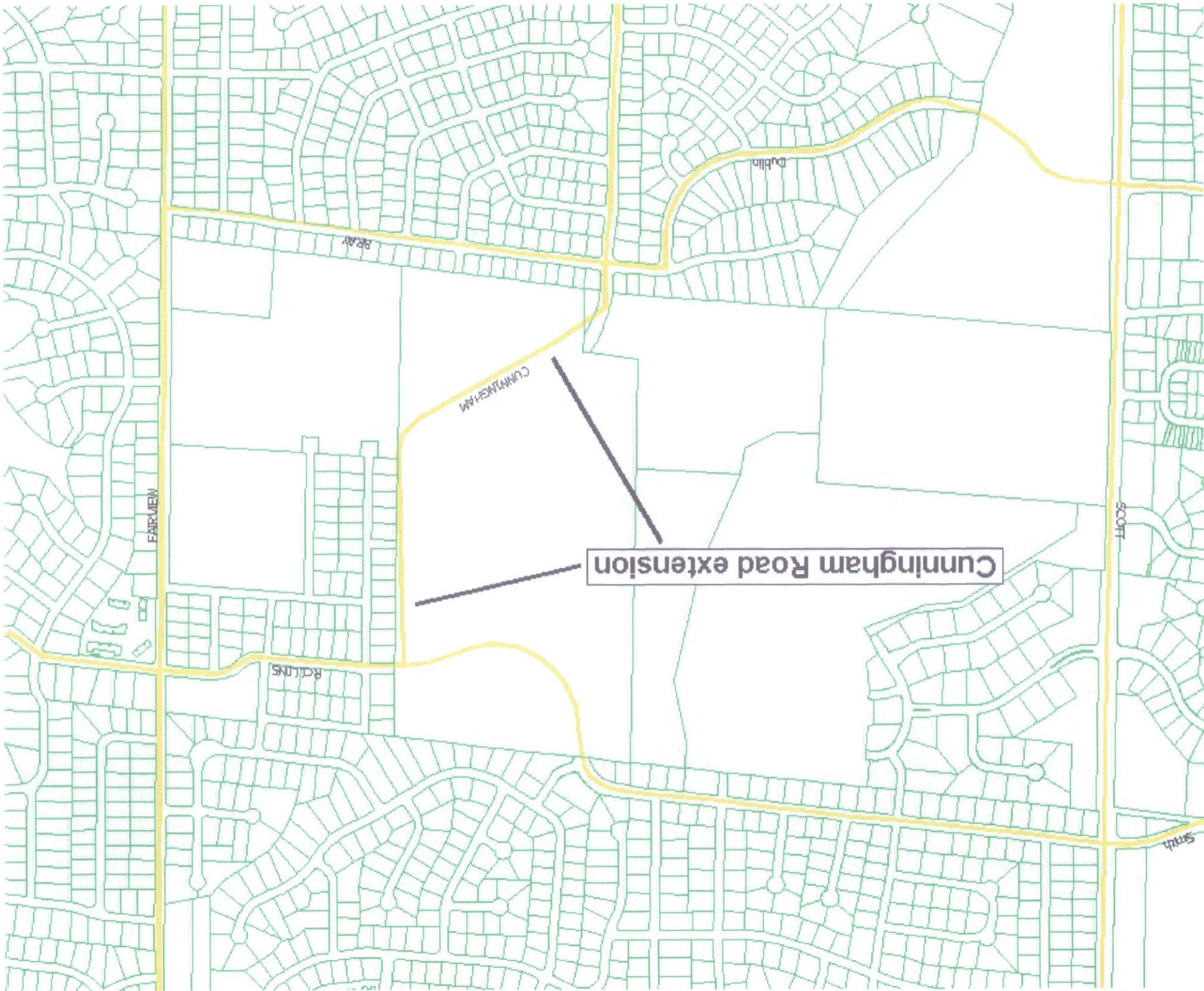
Cunningham Road	Neighborhood Collector	Future	Existing terminus	Rollins Road
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Proposed Additions to MRP
(bold lines)



Proposed MRP Additions - Route 763
(bold dashed lines)



Cunningham Road extension

Fairview

Beav

Dublin

Cunningham Rd

R. Collins

Scott

Smith