



Brentwood Bound: Van Mark Way

CITY OF BRENTWOOD, MO

MARCH 2, 2020

History

- August 6, 2016 – Board of Aldermen Workshop – Discussed Brentwood potential projects and chose Manchester Renewal
- May 13, 2017 – Board of Aldermen Workshop – Manchester Road crossing options (tunnel, bridge, Hawk)
- November 1, 2018 – MoDOT at Brentwood Bound Open House – Plans show Van Mark Way closing for tunnel and accessing Dorothy Avenue through Rogers Parkway
- November 3, 2018 – MoDOT at Brentwood Bound Open House – Plans show Van Mark Way closing for tunnel and accessing Dorothy Avenue through Rogers Parkway
- End of 2018 – Concern about federal funds possibly used to purchase Rogers Parkway, which would prevent Van Mark Way crossing to Dorothy Avenue. New design is developed, taking Van Mark Way north to Mary Avenue
- January 2019 – New plans issued to City of Brentwood showing Van Mark Way going north to Mary Avenue
- March 6, 2019 – Brentwood Bound Open House – Plans show Van Mark Way going north to Mary Avenue
- April 2, 2019 – Brentwood Vote for Proposition B, Economic Development Sales Tax for Brentwood Bound funding

Pedestrian Tunnel

- Will allow a future connection to Great Rivers Greenway (GRG) trails of more than 28 miles
- Safe access for residents to go to the new Norm West Park
- Supported by partners – GRG and MoDOT
- Removing the tunnel from the plan could cost the City/Taxpayers considerable financial losses in grants, partnerships, delays, etc.



Tunnel Location

Tunnel placed where it is due to:

- Location of Dorothy Avenue
- Location of Mary Avenue to the south
- Location of existing drainage structures
- Best use City's existing right-of-way (Van Mark Way is owned by City of Brentwood)

Location of tunnel cannot be moved due to:

- MoDOT has closed on 2 of the 3 properties around the tunnel. Change of location would affect property acquisitions.
- Project Delays
 - Utility coordination for 2 years at this current location – Ameren, MO American Water, MSD, etc.
 - Design could not maintain current schedule with MoDOT if a change was made with the tunnel. This MoDOT project impacts many municipalities beyond Brentwood.



Use Florence, Mary and Dorothy Avenues Intersection – Current Design

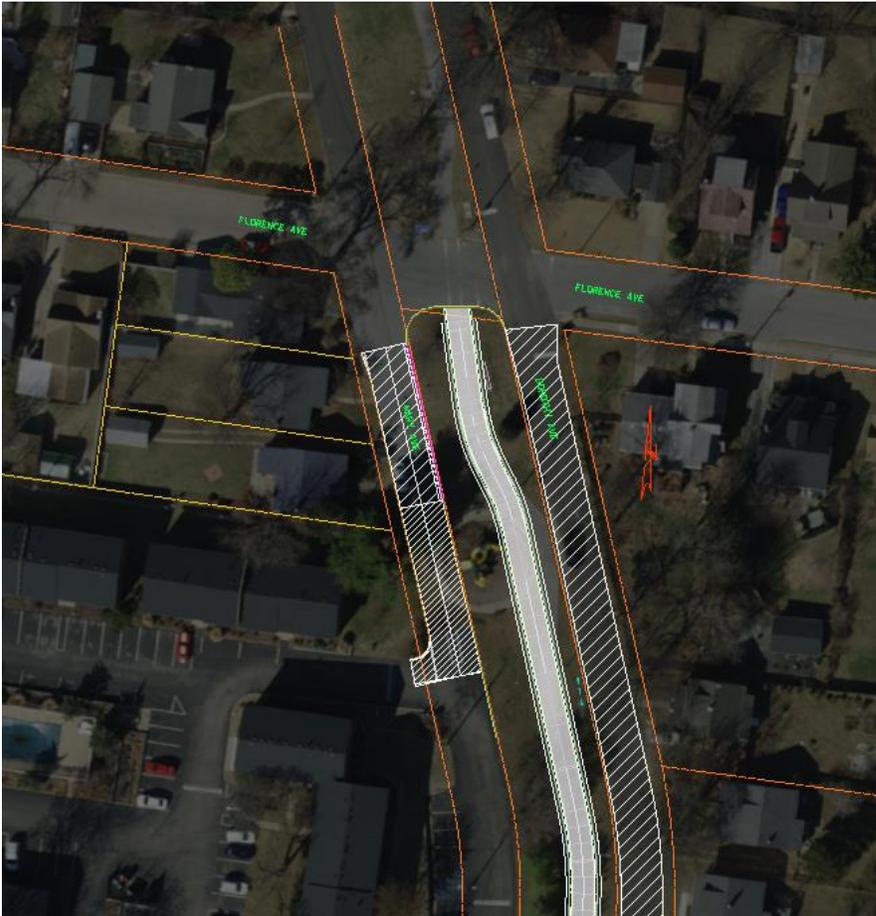
NOTE: Fire Department has reviewed the design and it is acceptable with a modification being done. Modifications may include intersection changes or parking restrictions at northernmost Mary Avenue property south of Florence Avenue.

Pros:

- MoDOT, Staff and Experts recommend this option for safety
- Use existing intersection
- Use existing pedestrian crossing
- Improvements extend farther north than other option
- No extra engineering and design costs to keep this option

Cons:

- Potential on street parking impact for 3 Mary Avenue residents
- Residential neighborhood traffic increases – apartment complex will have access to local streets versus direct access to Manchester Road

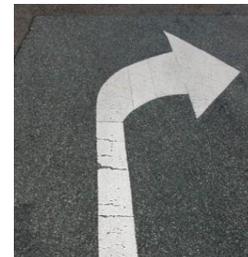
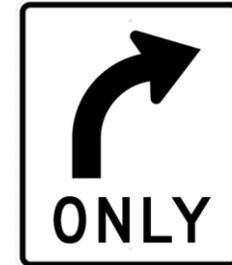


Florence, Mary and Dorothy Avenues Intersection

■ After Manchester Road Improvements are completed and traffic patterns have been established and monitored, the Brentwood Board of Aldermen could direct staff to present options to enhance the intersection at the Florence, Mary and Dorothy Avenues Intersection.

■ Potential enhancement options include:

- Roundabout
- Pavement markings
- Channelizers
- One-way streets
- Signage



New Intersection at Dorothy Avenue – Previous Design



NOTE: Recent verification with Missouri Department of Natural Resources confirmed this roadway could be built across Rogers Parkway.

NOTE: This is as far south as this crossing can be built due to the grades on Dorothy Avenue and Van Mark Way. Moving this any further south will increase the slope to be beyond 15%, which is not allowed by the American Association of State Highway and Transportation Officials (AASHTO).

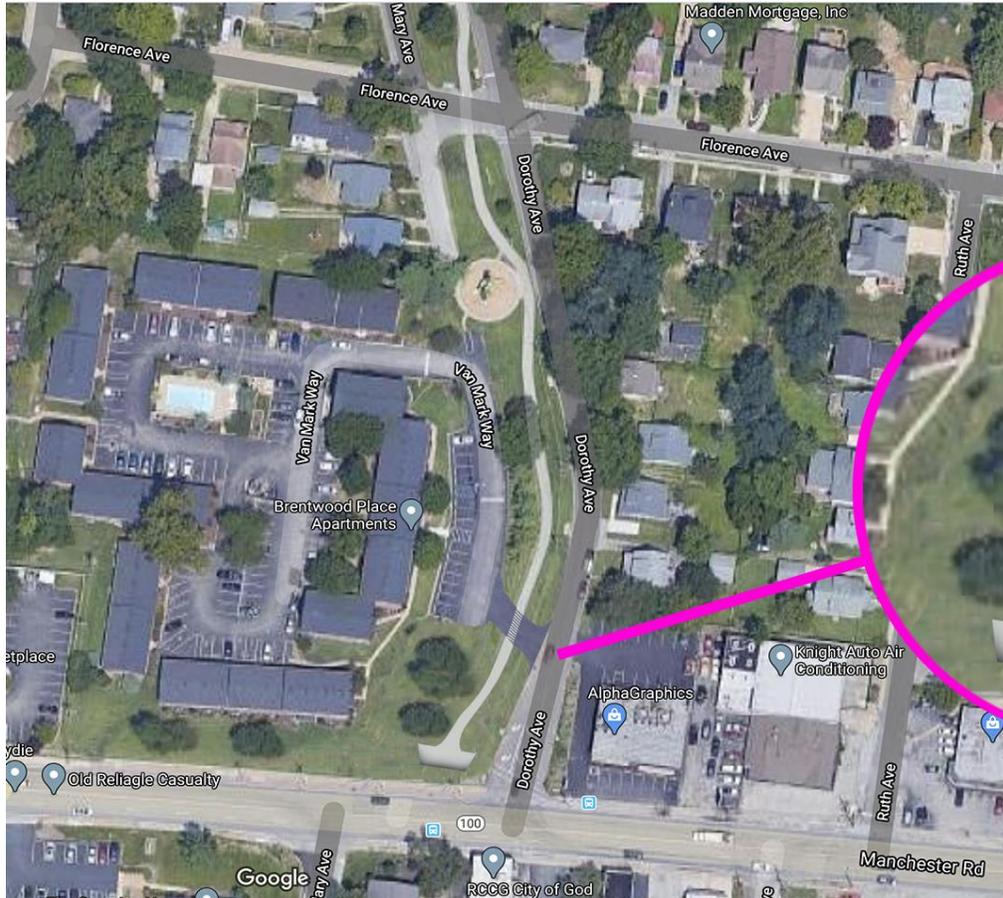
Pros:

- Apartment Complex has direct access
- 3 Mary Avenue residents keep existing condition
- Fire Department prefers this option. Modifications may include slight expansion of pavement across Rogers Parkway.

Cons:

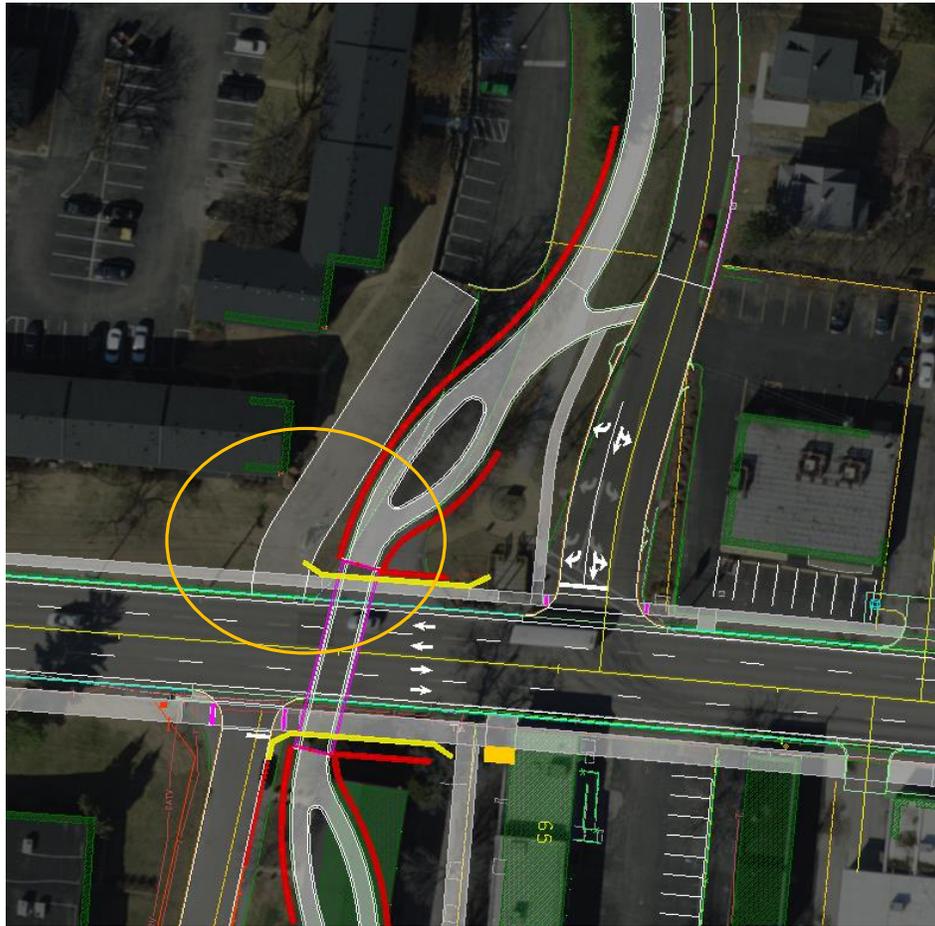
- Real Safety Concerns:
 - Intersections close to each other
 - Trail users must cross 2 intersections
 - Drivers must be alert to traffic from 2 intersections
- Slope from apartments to Dorothy Avenue is steep (14.5%)– harder to stop at trail and then stop at intersection
- Residential neighborhood traffic increases – apartment complex will have access to local streets versus direct access to Manchester Road
- Cost to City of Brentwood/Taxpayers in redesign fees due to other design being nearly 100% complete
- Would require design review by Great Rivers Greenway

New Intersection at Dorothy Avenue – Resident Idea



Not constructible - Slopes will not work with tunnel crossing since this will not meet ADA requirements

Shift Intersection at Manchester Road – Resident Idea

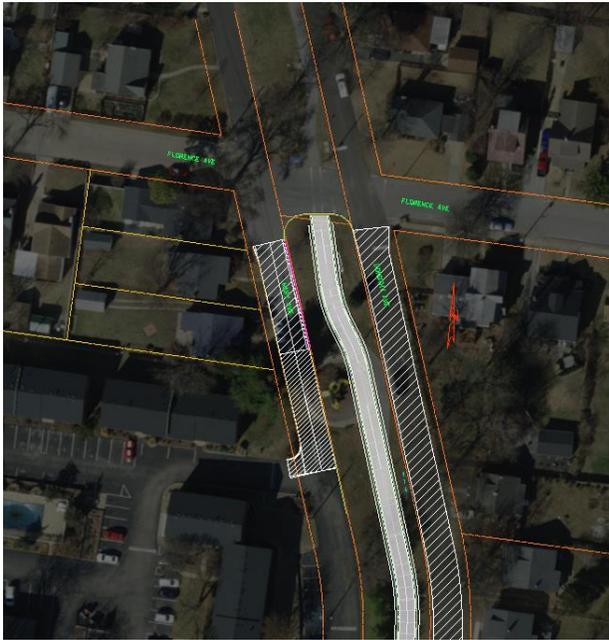


Not constructible - Apartment building 5 feet from edge of road, violating codes

MoDOT will not allow – Manchester Road is a state-controlled highway

Motion

1. TAKING VAN MARK WAY NORTH TO MARY AVENUE – CURRENT DESIGN



2. CROSS ROGERS PARKWAY TO DOROTHY AVENUE – PREVIOUS DESIGN



MoDOT, Staff and Experts recommend Option 1 for safety.