



**ENVIRONMENTAL IMPACT SUMMARY FOR THE REASONABLE ALTERNATIVES
I-270 North Environmental Assessment
Map Area 3: Hanley Road/Graham Road to Old Halls Ferry Road**

AREA 3: HANLEY ROAD/GRAHAM ROAD TO OLD HALLS FERRY ROAD

| ALTERNATIVE | REASONABLE ALTERNATIVE DESCRIPTION | PRELIMINARY STRUCTURE ACQUISITION ESTIMATES | PRELIMINARY PROPERTY ACQUISITION ESTIMATES | PARKS AND RECREATION IMPACTS | ENVIRONMENTAL JUSTICE IMPACTS | WATERWAY IMPACTS | BIKE/PED IMPACTS | TRAFFIC NOISE IMPACTS |
|--|--|---|--|---|---|--|---|---|
| HANLEY ROAD/GRAHAM ROAD | | | | | | | | |
| Alternative 1 | Diamond Interchange (One-Way Dunn/Pershall) | 2 single family residences at Pershall Road and Brackleigh Lane. | Less than 2 acres | No expected impacts to the Myers House. | One-way operation at Graham eliminates need for buttonhook entrance at New Florissant. METRO estimates that one-way outer roads will increase their operating expenses. | None | One-way outer roads tend to benefit pedestrians (because of fewer conflict points). One-way outer roads tend to result in out-of-direction travel by bicyclists creating more conflicts with automobiles. | Relative to traffic noise there are limited difference between alternatives. Noise barrier investigations will be conducted where ever traffic noise impacts are expected. |
| Alternative 2 | Diamond Interchange (Two-Way Dunn/Pershall) | - 2 single family residences at Pershall Road and Brackleigh Lane. - Displacements at South Lafayette Street include: Tires Wholesale, 1 Single Family Residence, Life Smile Dental, One Hour Cleaning and 1 vacant Commercial Building. | +/- 5 acres | | To maintain two-way operation at Graham, a new overpass is necessary. East-bound Dunn Road traffic must use the overpass. The overpass causes displacements at South Lafayette and potential bike/ped pathway impacts. | | Existing pathways maintained to the extent possible. | |
| NEW FLORISSANT ROAD TO WASHINGTON STREET/ELIZABETH AVENUE | | | | | | | | |
| Alternative 1 | Split Diamond Interchange (One-Way Dunn/Pershall) | - 23 single family residences: 6 at Santa Cruz Drive, 15 between DuBourg Lane and Jean Drive and 2 at Moonlight Drive. - Plaza Duchesne: Kwik Mart & 5 others and Gary's A+ Auto/Joe's Auto Mart - Creative Cuts: Pershall/Jean. | +/- 13 acres | None | One-way operation at New Florissant and Washington is primarily within the existing corridor. Important exceptions include the creation of a connection between Dunn and Waterford, behind the Grandview Plaza Shopping Center and the possible mid-block cross-over at Grandview Drive. If local vehicle operation is maximized, neighborhood impacts could be substantial. METRO estimates that one-way outer roads will increase their operating expenses. | Limited culvert extensions for Fountain Creek. | One-way outer roads tend to benefit pedestrians (because of fewer conflict points). One-way outer roads tend to result in out-of-direction travel by bicyclists creating more conflicts with automobiles. | Relative to noise sensitive land uses in this area, the major difference amongst the alternatives is the realignment of Dunn Road in the vicinity of Washington and New Florissant. The traffic levels along the outer roads are minor components of the traffic noise level along I-270. |
| Alternative 2 | Split Diamond Interchange (Two-Way Dunn/Pershall) | - 26 single family residences: 6 at Santa Cruz Drive, 15 between DuBourg Lane and Jean Drive, 2 at Moonlight Drive and 3 at New Florissant. - BP, Circle K, 1 office complex and 2 vacant commercial buildings. - Creative Cuts: Pershall/Jean. | +/- 13 acres | Reconfiguration of outer road will create a new road around the Gittermeier House. No expected impacts to the historic integrity of the site. | The buttonhook at New Florissant result in several displacements. Otherwise, two-way operation is mostly within the existing corridor. | Larger footprint at New Florissant Road may increase work within Fountain Creek. | Buttonhook at New Florissant may increase travel distances. Intersection relocation may provide opportunity to better accommodate bikes/peds. | |
| WEST FLORISSANT AVENUE TO OLD HALLS FERRY ROAD | | | | | | | | |
| Alternative 1 | Split Diamond Interchange (West Florissant to Old Halls Ferry - One-Way Dunn/Pershall) | None | +/- 6 acres | Possible acquisition from Little Creek Nature Area. Acquisition limited to narrow linear strip along Dunn Road. Driveway will be improved as necessary to benefit the facility. | East-bound Dunn Road traffic from Old Halls Ferry to Route 367 will not be possible. Cut-through traffic may result. METRO estimates that one-way outer roads will increase their operating expenses. | All of the alternatives have limited culvert extensions of existing culverts within Maline Creek tributaries at New Halls Ferry and Old Halls Ferry. These alternatives have no other impacts. | One-way outer roads tend to benefit pedestrians (because of fewer conflict points). One-way outer roads tend to result in out-of-direction travel by bicyclists creating more conflicts with automobiles. | Relative to noise sensitive land uses in this area, the major difference amongst the alternatives is the realignment of Dunn Road in the vicinity of West Florissant/New Halls Ferry/Old Halls Ferry. Noise sensitive receptors are limited, but the Little Creek Nature Area is in the area. The traffic levels along the outer roads are minor components of the traffic noise level along I-270. |
| Alternative 1a | Split Diamond Interchange (West Florissant to New Halls Ferry - One-Way Dunn/Pershall) | None | +/- 6 acres | | Additional turnaround provided from west-bound Dunn to east-bound I-270. METRO estimates that one-way outer roads will increase their operating expenses. | | One-way outer roads tend to benefit pedestrians (because of fewer conflict points). One-way outer roads tend to result in out-of-direction travel by bicyclists creating more conflicts with automobiles. | |
| Alternative 2 | Split Diamond Interchange (West Florissant to New Halls Ferry - Two-Way Dunn/Pershall) | - Dobb's Tire at West Florissant. - Applebee's, Crossings Shopping Center, ZX, Plumber's Supply and Donut Delite at New Hall's Ferry. | +/- 38 acres | | Under both two-way alternatives, Dunn Road will be realigned (in different ways) through the commercial areas between West Florissant and Old Halls Ferry. | This alternative has a new Dunn Road crossing of the Maline Creek, near New Halls Ferry. | A new Pershall Road segment will be created between New Halls Ferry and Old Halls Ferry. This will be located adjacent to I-270. | |
| Alternative 2a | Split Diamond Interchange (West Florissant to Old Halls Ferry - Two-Way Dunn/Pershall) | - Dobb's Tire at West Florissant. - Applebee's, Popeye's, ZX, Plumber's Supply and Donut Delite at New Hall's Ferry. | +/- 34 acres | | This alternative has the new Dunn Road crossing of the Maline Creek and a revised crossing of Maline Creek at Netherton Drive. | Informal vehicle connection between New Halls Ferry and Old Halls Ferry (within Home Depot parking lot) will be formalized, standardizing bike/ped operation in this area. | | |