



ROUTE 250 BYPASS INTERCHANGE at MCINTIRE ROAD

July 27, 2006

Preliminary Assessment of Effects
Interchange Alternatives

ALTERNATIVES

Assessment Categories	Units	A (Baseline)	B	B1	C	C1	C2	D	D2	E	E1	E2	F	G	G1
Project Team Draft Recommendation @ CIM #2		Retain	Retain	Drop	Drop	Retain	Drop	Drop	Retain	Drop	Retain	Retain	Drop	Drop	Retain
Community Input @ CIM #2 (limited number of responses)		Retain	Drop	Drop	Drop	Retain	Drop	Drop	Drop	Drop	Retain	Retain	Drop	Drop	Retain
Current Project Team Draft Recommendation		Retain	Retain	Drop	Drop	Retain	Drop	Drop	Drop	Drop	Drop	Retain	Drop	Drop	Retain
Change in Project Team Draft Recommendation		No	No	No	No	No	No	No	Yes	No	Yes	No	No	No	No
Meet Project Purpose and Need?		No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
Project Team Comments		Does not satisfy the Project Purpose and Need	Provides gateway opportunity	Similar to Alternative B, which is being retained and has fewer impacts	Similar to Alternative G1, which is being retained and has fewer impacts	Provides better opportunity for a gateway layout than Alts. D and D2, which function similarly	Alternative G1 provides diamond interchange with fewer impacts, and Alternatives B, E2 provide dual roundabouts with fewer impacts	Similar to Alternative C1 which is being retained for further study	Similar to Alternative C1 which is being retained for further study	Alt. E2 is similar and better operationally and has similar impacts	Alt. E2 is similar and better operationally, with similar impacts	Sensitive to terrain with improved traffic operations	Alt. is not context sensitive, possesses operational and functional concerns	Similar to Alternative G1 which is being retained for further study	Most like interchange concept depicted in 1970's McIntire Park Master Plan
Ramp Termini and Interchange Function		N/A (At-Grade Int.)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Improves safety?		No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
Improves Pedestrian Access to Park		No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Impacts the Vietnam Vet. / Dogwood Memorial		No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes
Impacts the Rescue Squad		Poor access	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes
Does roundabout converted to a signalized intersection work?		N/A (At-Grade Int.)	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	N/A	N/A
Impacts Park Street Ramps		No	EB Ramps	EB Ramps	EB/WB Ramps	EB/WB Ramps	EB/WB Ramps	EB/WB Ramps	EB/WB Ramps	EB Ramps	WB Ramps	No	EB/WB Ramps	EB/WB Ramps	EB/WB Ramps
Requires roundabout bypass lane(s)		N/A	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	N/A	N/A	N/A
Hillcrest Road remains open		Yes	Yes	No	No	No	No	No	No	Yes	Yes	Yes	No	No	No
Number of interchange quadrants impacted		None	Two	Three	Four	Four	Four	Four	Four	Two	Two	Two	Four	Four	Four

Section 4(f)

Preliminary Section 4(f) Impacts	Acres	2-4	7-11	7-11	6-10	6-10	6-10	5-9	6-10	8-12	6-10	8-12	6-10	6-10	5-9
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Natural Environment Detailed environmental Study Categories - values shown are approximate; requires detailed engineering

100 yr. FEMA Floodplain	Acres	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wetlands / Waters of the U.S.	Number	0	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3
	Acres	0	0-0.01	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.01	0-0.02	0.01-0.04	0-0.02	0-0.02	0-0.02
Streams Crossings	Total Number	0	3-7	3-7	4-8	2-6	4-8	2-6	2-6	2-6	2-6	1-5	1-5	2-6	2-6
	Schenk's Branch	0	2	2	3	1	3	1	1	2	2	1	1	1	1
Length of Stream Impact	Linear Feet	0	500-900	500-900	400-800	450-850	700-1100	300-700	300-700	500-900	900-1300	800-1200	300-700	400-800	400-800
Forested areas	Acres	0	1-3	2-4	3.5-5.5	3-5	2.5-4.5	2.5-4.5	2.5-4.5	2.5-4.5	4-6	3-5	2.5-4.5	3-5	3-5
Threatened and Endangered Species	Number	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Cultural Environment

Known Historic Structures	Number	0	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Potential Historic Structures (>50 yrs. old)	Number	0	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Known Archeological Sites	Number	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Potential Archeological Sites	Number	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD

Social / Community Environment

Number of Impacted Noise Sensitive Receptors	Number	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Residential Displacements	Number	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Business Displacements	Number	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Community Facility Displacements	Number	0	1	1	1	1	1	1	1	1	0	0	1	1	1
Publicly-owned Parks	Number	0	1	2	2	2	2	2	2	1	2	2	2	2	2
Affected Properties	Number	0	6-10	6-10	6-10	5-9	6-10	5-9	5-9	3-7	5-9	5-9	5-9	5-9	5-9
Right of Way Required	Acres	0	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD