



Chickamauga and Chattanooga National Military Park Traffic Impact Study and Subarea Transportation Plan Improvement Strategies Evaluation Matrix - February 2004



No.	Description	Need & Purpose or Justification	Project Focus		Traffic Impact Area Impacts								Battlefield Subarea Impacts						
			Traffic Impact Area	Battlefield Subarea	Capacity	Operations	Safety	Wayfinding	Cost	Economic Impact	Environmental Justice	Cultural/Natural Resources	Capacity	Operations	Safety	Wayfinding	Cultural/Natural Resources	CCNMP Park Policies/Goals	Visitor Experience
I. North-South Mobility and Connectivity to Chattanooga																			
I-1	Extension of US 27 from SR 2/Battlefield Pkwy. to SR 146/Cloud Springs Rd.	Existing and projected congestion on LaFayette Rd. north of SR 2; reduce non-Park traffic inside Battlefield	✓		+	+	+	n/a	-	○	-	-	+	+	+	n/a	n/a	+	+
I-2	Extension of US 27 from SR 2/Battlefield Pkwy. to LaFayette Rd./Chickamauga Ave.	Existing and projected congestion on LaFayette Rd. north of SR 2; reduce non-Park traffic inside Battlefield	✓		-	-	+	n/a	-	○	-	-	+	+	+	n/a	n/a	+	+
I-3	Widen LaFayette Rd./Chickamauga Ave. from SR 146 to 37th Ave. in Chattanooga (4 to 6 lanes)	Existing and projected congestion on LaFayette Rd. north of SR 2	✓		+	-	+	n/a	-	-	-	○	○	○	n/a	n/a	n/a	n/a	n/a
I-4	Intersection improvements at SR 2/Battlefield Pkwy. and LaFayette Rd.	Existing and projected congestion on LaFayette Rd. north of SR 2	✓		+	+	+	n/a	+	+	+	○	○	○	n/a	n/a	n/a	n/a	n/a
I-5	Improve intersection at US 27 and Osburn Rd.	Safety improvement	✓		○	+	+	n/a	+	○	+	○	○	○	n/a	n/a	n/a	n/a	n/a
I-6	Improve Three Notch Rd. and Red Belt Rd. to serve as eastern bypass	Improve north-south connectivity east of Park; future residential growth	✓		○	○	○	n/a	-	○	+	-	○	○	○	n/a	n/a	○	○
I-7	Construct new eastern bypass between Park boundary and Burning Bush Rd.	Improve north-south connectivity east of Park; future residential growth	✓		+	+	+	n/a	-	○	-	-	+	+	+	n/a	-	-	-
I-8	Improve shoulders and alignment on Burning Bush Rd.	Improve north-south connectivity east of Park; future residential growth	✓		+	+	+	n/a	-	+	+	-	+	+	+	n/a	n/a	○	○
I-9	Implement Demand Management program for commuters	Support formation of carpools and/or vanpools from study area to Chattanooga	✓		+	+	n/a	n/a	+	+	+	○	n/a	n/a	n/a	n/a	○	○	+
II. East-West Mobility and Mobility within Ft. Oglethorpe																			
II-1	Widen SR 2/Battlefield Pkwy. from Cedar Ln. to I-75 (4 to 6 lanes)	Projected congestion on SR 2	✓		+	+	+	n/a	-	+	-	-	+	+	+	n/a	○	n/a	+
II-2	Develop access management/corridor management plan on SR 2/Battlefield Pkwy.	Projected congestion on SR 2	✓		○	+	+	n/a	+	+	+	○	n/a	n/a	n/a	n/a	○	n/a	○
II-3	Widen McFarland Gap Rd from Mission Ridge Rd. to LaFayette Rd. (2 to 4 lanes)	Improve connectivity between US 27 relocation and Ft. Oglethorpe business district	✓	✓	+	+	-	n/a	-	+	-	-	○	○	-	n/a	-	-	-
II-4	Realign Thomas Rd. west of LaFayette Rd. and improve signage on Thomas Rd. and McFarland Gap Rd.	Improve access and wayfinding to hospital area	✓	✓	○	+	+	+	+	+	+	○	n/a	n/a	n/a	n/a	n/a	n/a	n/a
II-5	Widen SR 146/Cloud Springs Rd. from LaFayette Rd. to US 41 (2 to 4 lanes)	Improve east-west mobility	✓		+	+	+	n/a	-	+	-	○	n/a	n/a	n/a	n/a	n/a	n/a	n/a
III. Gateway Linkages between Battlefield and Surrounding Area																			
III-1	Conduct joint land use/transportation study on LaFayette Rd. corridor between Battlefield and SR 2	Support revitalization of downtown Ft. Oglethorpe	✓	✓	n/a	+	+	+	+	+	+	+	n/a	n/a	n/a	n/a	+	+	+
III-2	Make streetscape improvements on LaFayette Rd. between Battlefield and SR 2 and connect to Battlefield visitor center with multi-use path facility	Improve connection between Battlefield and surrounding community	✓	✓	n/a	+	+	+	+	+	+	+	n/a	n/a	n/a	+	+	+	+
III-3	Improve wayfinding signage to Battlefield from surrounding area	Improve connection between Battlefield and surrounding community	✓	✓	n/a	+	n/a	+	+	+	n/a	n/a	n/a	n/a	n/a	+	n/a	+	+
III-4	Develop coordinated wayfinding/signage program for historic sites outside and inside the Park	Improve connection between Battlefield and surrounding community	✓	✓	n/a	+	n/a	+	+	+	○	+	n/a	n/a	n/a	+	n/a	+	+
III-5	Consider excursion train between Chattanooga Choo-Choo site and City of Chickamauga	Improve connection between Battlefield and surrounding community	✓	✓	n/a	n/a	n/a	n/a	-	+	○	+	n/a	n/a	n/a	n/a	n/a	+	+
III-6	Develop regional auto tour	Improve connection between Battlefield and surrounding community	✓	✓	n/a	n/a	n/a	+	+	+	○	+	n/a	n/a	n/a	n/a	n/a	+	+
III-7	Connect to regional trail network	Improve connection between Battlefield and surrounding community	✓	✓	n/a	n/a	n/a	n/a	+	+	+	+	n/a	n/a	n/a	n/a	n/a	+	+

IMPACTS: Positive + Negative - No Impact ○ Not applicable n/a



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IV. CCNMP Battlefield Visitor Experience/Operational Improvements																				
IV-1	Expand tour route for automobiles - Alexander Bridge Rd. to Jay's Mill Rd. to Brotherton Rd. to LaFayette Rd.	Improve interpretative experience and identification for Park users; visitor safety		✓	n/a	n/a	n/a	n/a	n/a	n/a	+	n/a	+	○	+	+	+	○	+	+
IV-2	Expand tour route for automobiles - Reed's Bridge Rd. to Jay's Mill Rd. to Brotherton Rd. to Alexander Bridge Rd.	Improve interpretative experience and identification for Park users; visitor safety		✓	n/a	n/a	n/a	n/a	n/a	n/a	+	n/a	+	○	+	+	+	○	+	+
IV-3	Circulation changes on Brotherton Rd. (one-way westbound), Viniard-Alexander Rd. (one-way eastbound), and Jay's Mill Rd. (one-way northbound)	Improve interpretative experience for Park users; visitor safety		✓	○	○	n/a	n/a	n/a	n/a	n/a	n/a	n/a	+	+	+	+	○	+	+
IV-4	Road closures at 5 Park entrance locations: Lytle Rd., Long Hollow Rd., Osburn Rd., Wilder Rd., and Jay's Mill Rd.	Maintain Park cultural resources; minimize non-Park traffic		✓	-	-	n/a	-	n/a	-	-	n/a	+	+	+	+	+	+	+	+
IV-5	Expand touring routes for alternative modes: bicycling, pedestrian, equestrian; include dedicated parking facilities	Improve interpretative experience for Park users; visitor safety		✓	n/a	n/a	n/a	n/a	n/a	n/a	+	n/a	n/a	+	+	+	n/a	○	+	+
IV-6	Develop Park Road Multimodal Functional Classification System that includes design speed, road character/pavement surface type, modal designation and purpose	Provide enhanced road classification standards for all Park roads and trails		✓	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	+	+	+	+	+	+	+
IV-7	Expand or enhance parking facilities and/or interpretive stations at Alexander's Bridge, Winfrey Field, Brock Field, Wilder Brigade Monument, Jay's Mill, Kelly Field, and Reed's Bridge for expanded auto tour route(s)	Improve interpretative experience for Park users		✓	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	+	+
IV-8	Change orientation and connection to Battlefield visitor center to McFarland Gap Rd. from LaFayette Rd.	Restore historic fields and view sheds in the battlefield landscape		✓	n/a	n/a	n/a	n/a	n/a	n/a	+	n/a	○	n/a	+	n/a	n/a	+	+	+
IV-9	New directional signage at major intersections to major historic sites within the Battlefield	Enhance wayfinding within the Park		✓	n/a	n/a	n/a	+	n/a	+	n/a	n/a	n/a	n/a	n/a	n/a	+	○	+	+
IV-10	Clarify commercial vehicle standards for Park roads	Reduce confusion; Improve interpretative experience for Park users; visitor safety		✓	n/a	n/a	n/a	n/a	n/a	○	n/a	n/a	+	+	+	n/a	+	+	+	+
IV-11	Lower speed limit on LaFayette Rd.	Maintain Park cultural resources, minimize non-Park traffic		✓	+	+	+	n/a	n/a	-	n/a	n/a	+	+	+	n/a	+	+	+	+
IV-12	Lower speed limits on McFarland Gap Rd. and Reed's Bridge Rd.	Lower road functional classification	✓	✓	+	+	+	n/a	n/a	-	n/a	n/a	+	+	+	n/a	+	+	+	+
IV-13	In long-term, develop alternative transportation/Park shuttle system	Improve interpretative experience for Park users; visitor safety		✓	n/a	n/a	n/a	n/a	n/a	+	n/a	+	+	+	+	n/a	+	+	+	+
IV-14	Increase speed limit on LaFayette Rd.	Improve north-south access; increase activity on LaFayette Rd. north of Battlefield	✓	✓	-	-	-	n/a	n/a	+	n/a	-	-	-	-	n/a	-	-	-	-

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