



CEAO SAFETY STUDY PROGRAM

SAFETY STUDY REQUEST FORM

Date	July 31, 2010
County	Hamilton County
Route & Section	North Bend Road (between Westwood Northern & Kleeman)

Type of Study (see list below)	Traffic Study
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<p>Description of Study (Please Type or Print)</p> <p>The Hamilton County Engineer's Office intends to conduct a traffic study of the North Bend Road Corridor between Westwood Northern Blvd and Kleeman Road. The corridor includes the intersection of North Bend Road with Westwood Northern, Bruestle, Van Zandt, Hader, Ridgewood, Diehl, Reemelin, Crestnoll/Emerald Lakes, Rackacres and Kleeman. Several intersections along this corridor routinely rank within the top 10 list for intersection collisions, including Kleeman, Reemelin and Westwood Northern. There were a total of 82 accidents reported along this corridor between 2007 and 2009, 18 of which resulted in injuries. In 2007 there were 29 total accidents, 7 of which were injuries. In 2008 there were 18 total accidents, 3 of which were injuries. In 2009 there were 37 total accidents, 8 of which were injuries. The ADT along North Nend Road is approximately 24,100 VPD. The crash rate for this corridor is 3.38 ACC/MVM.</p> <p>The scope of work for this study will include:</p> <ul style="list-style-type: none"> ▪ Review OH-1 reports ▪ Identify existing conditions with condition diagram, roadway features, physical conditions and intersection configuration ▪ Collect Average Daily Traffic including manual turning movement counts ▪ Signal warrants ▪ Crash Analysis with collision diagrams for 2007 – 2009 ▪ Conduct capacity analysis ▪ Evaluation of geometrics at signalized intersection ▪ Review of roadway features regarding recommendations utilizing GIS (i.e. vertical alignment, horizontal alignment, right of way, etc.) ▪ Rate of Return Calculation for suggested improvements ▪ Photos at 200', 600', and 1000' distance from intersections and cross corner sight distance ▪ Conclusions and list of recommended improvements ▪ Prepare report <p>Upon completion of the study, the County's selected consultant will submit a report per Traffic Engineering Manual guidelines including the above information; an executive summary including statement of purpose, background, possible causes, and recommended short, medium and long term countermeasures; and the associated cost of such improvements.</p>
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Is This a Repeat Study?	No
If Yes, What Year Was Last Study Completed?	N/A
If Yes, Provide Justification for Repeating the Study:	
N/A	

Estimated Costs:

Type of Study	Int – County Road	Cost	Total Cost	CSTP Cost (90%)
Traffic Study	10 Intersections @	\$5500 /int	= \$55,000	\$49,500
	@	/mile	=	
	@	/mile	=	
Software	\$2000		=	

County Engineer Signature:	<i>William W. Brayshaw</i>
Date: <i>7-29-10</i>	July 31, 2010

CSTP Safety Study Program Project List:

BALL BANK STUDY
 NO PASSING ZONE STUDY
 SIGN INVENTORY (URBAN or RURAL)
 SIGN COMPLIANCE
 SIGN UPGRADE & BALL BANK RELATED SIGNS
 SOFTWARE FOR STUDY
 PAVEMENT MARKING INVENTORY

GUARDRAIL LOCATION INVENTORY & INSPECTION
 ROADSIDE HAZARD INVENTORY
 TRAFFIC SIGNAL WARRANTS
 SPEED ZONE STUDY
 TRAFFIC STUDY
 COMPUTER