

KENTUCKY

STATEWIDE TRANSPORTATION IMPROVEMENT PROGRAM (STIP) For FY 2017-2020

ADMINISTRATIVE MODIFICATION #2016.005

I. Proposed Action:

Modify the KYTC's FY 2017-2020 Statewide Transportation Improvement Program (STIP) to include the Bowling Green-Warren County MPO's Amendment #2017.01 to the FY 2016-2020 Transportation Improvement Program (TIP).

Location:

Bowling Green-Warren County MPO Area

Scope of Activity:

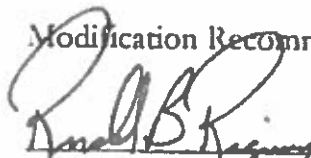
See the attachments for detail information.

II. Additional Remarks:

This modification to the STIP will become part of the 2016 STIP end of Federal Fiscal Year 2017 "fiscal constraint" recalculations.


III. Administrative Modification Approval:

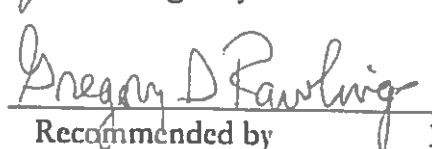
Modification Recommended for Approval:



Kentucky Transportation Cabinet Date
Ronald B. Rigney, Director
Division of Program Management

Approval of Administrative Modification:



Federal Highway Administration Date


Recommended by Date

**BOWLING GREEN-WARREN COUNTY
METROPOLITAN PLANNING ORGANIZATION (MPO)**

**FY 2016 – 2020 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)
*AMENDMENT # 2017.01***

**Bowling Green – Warren County
Metropolitan Planning Organization**

**Transportation Improvement Program (TIP) FY 2016-2020
Amendment #2017.01**

ACTION:

The Bowling Green-Warren County Metropolitan Planning Organization (MPO) hereby amends the FY 2016-2020 Transportation Improvement Program (TIP) to reflect the I-65 Spur corridor, connecting Bowling Green and Owensboro. A new highway project (2017-19 described below) is added to the TIP, along with modifications to an existing interchange project (2016-2) listed in the previously approved TIP. The new project and revisions to project schedule and funding amounts are reflected in the tables and information provided below and in the following pages.

TIP PROJECT ID: 2017-19

ITEM #: 3 - 2042.10

DESCRIPTION: Modernize the existing William H. Natcher Parkway to create the I-65 Spur corridor. Construction will be from the I-65 interchange (Exit 2) in Bowling Green, extending north to the Butler-Ohio county line, at mile point 37.143.

PHASE: Design, Right-of-way, Construction

TYPE OF FUND: NH

FY: 2017, 2019

AMOUNT: \$17,200,000

TIP PROJECT ID: 2016-2

ITEM #: 3 - 2042.20

DESCRIPTION: Reconstruct the existing Natcher Parkway/US-231 interchange on the west side of Bowling Green.

PHASE: Right-of-way, Utility, Construction

TYPE OF FUND: NH

FY: 2017, 2019

AMOUNT: \$14,000,000

Other Information: Additional funding, beyond that assumed for the Metropolitan Transportation Plan (MTP) and specifically identified in the TIP, has been committed to these projects by the Federal Highway Administration and the Kentucky Transportation Cabinet. Therefore, the MTP and the TIP remain financially constrained with these amendment changes.

The Natcher Parkway Modernization project (KYTC Item No. 3-2042.10) includes improvements in both Warren County and Butler County. The project information and cost estimates shown here include improvements in both counties.

The amended 2016-2020 TIP tables are included on the following pages.

Approved



Judge/Executive Mike Buchanan, Chairman
Policy Committee
Bowling Green-Warren County MPO

10-10-16

Date

**TABLE 1
SUMMARY OF HIGHWAY FUNDING TYPES**

Bowling Green-Warren County MPO
Transportation Improvement Program FY 2016-2020

Funding Type	FY 2016		FY 2017		FY 2018		FY 2019		FY 2020		TIP Total	
	Est. Cost	Revenue	Est. Cost	Revenue	Est. Cost	Revenue	Est. Cost	Revenue	Est. Cost	Revenue	Est. Cost	Revenue
BRO					\$5,850,000	\$5,850,000					\$5,850,000	\$5,850,000
BRZ	\$635,000	\$635,000									\$635,000	\$635,000
FTA	\$1,384,000	\$1,384,000	\$1,464,000	\$1,464,000	\$1,534,000	\$1,534,000	\$1,609,000	\$1,609,000	\$1,684,000	\$1,684,000	\$7,675,000	\$7,675,000
IM	\$18,000,000	\$18,000,000									\$18,000,000	\$18,000,000
NH	\$800,000	\$800,000	\$9,350,000	\$9,350,000	\$700,000	\$700,000	\$33,600,000	\$33,600,000	\$5,000,000	\$5,000,000	\$49,450,000	\$49,450,000
SAF	\$505,000	\$505,000									\$505,000	\$505,000
SPP			\$11,250,000	\$11,250,000							\$11,250,000	\$11,250,000
TAP	\$177,474	\$177,474									\$177,474	\$177,474
TOTAL	\$21,501,474	\$21,324,000	\$22,064,000	\$22,064,000	\$8,084,000	\$8,084,000	\$35,209,000	\$35,209,000	\$6,684,000	\$6,684,000	\$93,542,474	\$93,365,000

**TABLE 5
FEDERALLY FUNDED TRANSPORTATION PROJECTS
Unauthorized Highway Plan Project Phases**

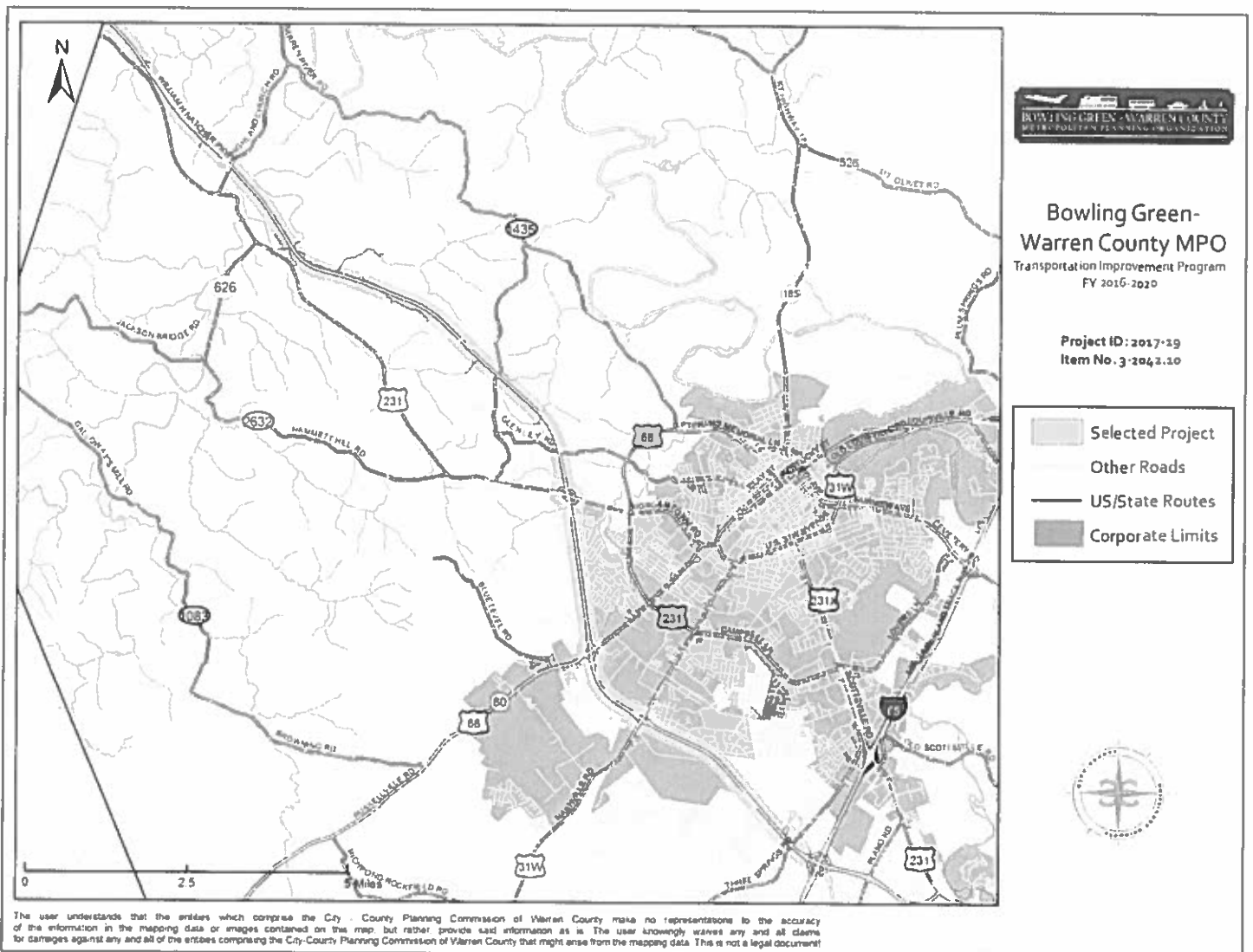
Bowling Green-Warren County MPO
Transportation Improvement Program FY 2016-2020

PROJECT ID	KYTC 6YP ID	ROUTE	LENGTH	PROJECT DESCRIPTION	FUND TYPE	YEAR	PHASE	PHASE COST
2016-1	03-16.04	I-65	-	Surfacing for I-65 to US-31W Connector including grade and drain on US-68 and US-31W.	IM	2016	C	\$18,000,000
2016-2	3-2042.20	WN-9007	0.200	Reconstruct the existing Natcher Parkway/US-231 interchange on west side of Bowling Green.	NH	2017	D	\$1,000,000
						2017	R	\$1,650,000
						2017	U	\$1,550,000
						2019	C	\$10,800,000
2016-3	03-1077	KY-234	0.060	Replace bridge on KY-234 over Drakes Creek 0.097 east of Shaker Mill Rd (CR-1121).	BRO	2018	C	\$5,850,000
2016-4	03-1090	CR-1425	0.02	Replace bridge over branch of Indian Creek on Lodge Hall Rd (CR-1425) 1.4 mile west of KY-185.	BRZ	2016	D	\$250,000
						2016	R	\$50,000
						2016	U	\$75,000
						2016	C	\$260,000
2016-5	03-8707	WN-9007	0.60	Construct a new interchange on the Natcher Parkway at Elrod Road in Bowling Green (MP 3.4 - MP 4.0).	NH	2016	D	\$800,000
						2017	R	\$2,000,000
						2017	U	\$950,000
						2019	C	\$6,300,000
2016-6	03-9007	KY-526	0.10	Intersection improvements at the intersection of KY-526 and KY-1320; purchase ROW for sight distance improvements on KY-526 from 0.046 mile west of KY-1320 to 0.099 mile west of CR-1532A.	SAF	2016	R	\$70,000
						2016	U	\$190,000
						2016	C	\$220,000
2016-17	-	N/A	0.25	Funding for this project will pay for construction of a new greenway path connecting Moss Middle School to an existing greenway on Creekwood Drive. The project will include a bridge over Jennings Creek, lighting, benches and a trailhead marker.	TAP	2016		\$177,474
2016-18	3-924	KY-185	0.43	Safety improvements on KY-185 from US-68 to Double Springs Road to convert corridor from 4-lanes to 3-lanes ("Road Diet") including micro-surfacing, striping, curbed island at crosswalk, and enhanced signage for pedestrian crossing.	SAF	2016	C	\$75,000
2017-19	3-2042.10	WN-9007	35.06	Modernize the existing William H. Natcher Parkway to create the I-65 Spur corridor. Construction from the I-65 interchange (exit 2) in Bowling Green, extending north to the Butler-Ohio county line, MP 37.143.	NH	2017	D	\$2,000,000
						2017	R	\$200,000
						2019	C	\$15,000,000

Federally Funded Transportation Project								
BOWLING GREEN-WARREN COUNTY MPO TIP (FY 2016-2020)								
Project ID	KYTC 6YP ID	Route	LENGTH	Project Description				
2016-2	3-2042.20	WN-9007	0.200	Reconstruct the existing Natcher Parkway/US-231 interchange on west side of Bowling Green.				
Fund Type	Phase	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Future	Total Funding
NH	Design		\$1,000,000					\$1,000,000
	ROW		\$1,650,000	\$700,000				\$1,650,000
	Utility		\$1,550,000		\$1,500,000			\$1,550,000
	Construction				\$10,800,000	\$5,000,000		\$10,800,000
			\$4,200,000		\$10,800,000			\$15,000,000



Federally Funded Transportation Projects								
BOWLING GREEN-WARREN COUNTY MPO TIP (FY 2016-2020)								
Project ID	KYTC 6YP ID	Route	Length	Project Description				
2017-19	3-2042.10	WN-9007	35.06	Modernization of existing Natcher Parking from I-65 interchange (Exit 2), extending north to the Butler-Ohio County line, at MP 37.143.				
Fund Type	Phase	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Future	Total Funding
NH	D		\$2,000,000					\$2,000,000
	R		\$200,000					\$200,000
	C				\$15,000,000			\$15,000,000
			\$2,200,000		\$15,000,000			\$17,200,000



**BOWLING GREEN-WARREN COUNTY
METROPOLITAN PLANNING ORGANIZATION (MPO)**

**FY 2016 – 2020 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)
*AMENDMENT # 2017.01***

***PUBLIC INVOLVEMENT EFFORTS:
PUBLIC COMMENT ADVERTISEMENT
AGENCY COMMENTS***



PUBLIC NOTICE

**BOWLING GREEN-WARREN COUNTY
METROPOLITAN PLANNING
ORGANIZATION SEEKING PUBLIC INPUT
ON AMENDMENT TO TRANSPORTATION
IMPROVEMENT PROGRAM**

The Bowling Green-Warren County Metropolitan Planning Organization (MPO), the transportation planning agency for the Bowling Green-Warren County urbanized area, is soliciting public review and comments regarding a draft Amendment to the 2016-2020 Transportation Improvement Program (TIP). The Amendment will be available for public review and comment from September 23, 2016 through October 7, 2016 at the locations listed below, and on the BG-WC MPO website at www.warrenpc.org/mpo.

**Bowling Green City Hall, 1001 College Street
Bowling Green-Warren County Planning
Commission, 1141 State Street
Office of the Warren County Judge-Executive,
429 East 10th Ave, Suite 201**

The TIP is a financially constrained document listing federally funded and regionally significant transportation projects (roadways, pedestrian facilities, and transit facilities) for the Bowling Green-Warren County MPO area. The TIP executes the allocation of transportation funds, and outlines what phases will receive funding and the estimated cost of the projects. This Amendment to the 2016-2020 TIP will reflect the I-65 Spur, connecting Bowling Green and Owensboro. In addition to modifying the existing Natcher Parkway/US 231 Interchange project, a new highway project to modernize the Natcher Parkway will be added to the TIP. The Metropolitan Transportation Plan (MTP), the MPO's long-range plan, and the TIP remain financially constrained with these amendment changes.

For more information, please contact the MPO Coordinator at 270-842-1953. Should special accommodations be needed, please notify our office 48 hours in advance.

Comments may be submitted to:

**MPO Coordinator
City-County Planning Commission
1141 State Street
Bowling Green, KY 42101
(270) 842-1953**



TOURISM, ARTS AND HERITAGE CABINET
KENTUCKY DEPARTMENT OF FISH & WILDLIFE RESOURCES

Matthew G. Bevin
Governor

Don Parkinson
Secretary

#1 Sportsman's Lane
Frankfort, Kentucky 40601
Phone (502) 564-3400
1-800-858-1549
Fax (502) 564-0506
fw.ky.gov

Regina Stivers
Deputy Secretary

Gregory K. Johnson
Commissioner

29 September 2016

Bowling Green – Warren County Metropolitan Planning Organization
Attn: Karissa Lemon
1141 State Street
Bowling Green, KY 42101

RE: Amendment to the 2016-2020 Transportation Improvement Program

Dear Ms. Lemon:


The Kentucky Department of Fish and Wildlife Resources (KDFWR) has received your request for information pertaining to the subject project. The Kentucky Fish and Wildlife Information System indicates the federally-listed Indiana bat (*Myotis sodalis*), Grey bat (*Myotis grisescens*), Northern Long-eared bat (*Myotis septentrionalis*), and several mussel species from the Barren River are known to occur within 10 miles of the project site. The state-listed Kentucky Creekshell (*Villosa ortmanni*), Dark-eyed Junco (*Junco hyemalis*), Red-breasted Nuthatch (*Sitta canadensis*), Brown Creeper (*Certhia americana*), Lark Sparrow (*Chondestes grammacus*), Rose-breasted Grosbeak (*Phoebastria ludovicianus*), Bobolink (*Dolichonyx oryzivorus*), Savannah Sparrow (*Passerculus sandwichensis*), Northern Harrier (*Circus cyaneus*), Sharp-shinned Hawk (*Accipiter striatus*), Hooded Merganser (*Lophodytes cucullatus*), Vesper Sparrow (*Poocetes gramineus*), Bewick's Wren (*Thryomanes bewickii*), Blue-winged Teal (*Anas discors*), Northern Shoveler (*Anas clypeata*), Pied-billed Grebe (*Podilymbus podiceps*), and American Coot (*Fulica americana*) are known to occur within one mile of the project site. Please be aware our database system is a dynamic one that only represents our current knowledge of various species distributions.

If trees over 3" dbh are to be removed during the project, please consult with the U.S. Fish and Wildlife Service Kentucky Field Office (502-695-0468) to discuss the project and any mitigation requirements related to imperiled bat species. Mussel surveys may also be required for bridge work in and around Barren River and Gasper River. The USFWS will be able to assist in the development of survey plans if deemed appropriate.

To minimize impacts to the aquatic environment, the KDFWR recommends erosion control measures be developed and implemented prior to construction to reduce siltation into waterways and/or karst features located within the project area. Such erosion control measures may include, but are not limited to silt fences, staked straw bales, brush barriers, sediment basins, and diversion ditches. Erosion control measures will need to be installed prior to construction and should be inspected and repaired regularly as needed.

I hope this information is helpful to you, and if you have questions or require additional information, please call me at (502) 564-7109 extension 4453.

Sincerely,

A handwritten signature in black ink, appearing to read "Dan Stoelb". The signature is written in a cursive style with a large initial 'D'.

Dan Stoelb
Environmental Scientist

Cc: Environmental Section File



KENTUCKY STATE NATURE PRESERVES COMMISSION

Matthew G. Bevin
Governor

801 Teton Trail
Frankfort, Kentucky 40601-1132
Phone (502) 573-2886
Fax (502) 573-2355
<http://naturepreserves.ky.gov>

Charles G. Snavelly
Secretary
Energy and Environment
Cabinet

Joyce Bender
Acting Director

MEMORANDUM

TO: Karissa Lemon
MPO Coordinator
Bowling Green – Warren County

FROM: Sara Hines, Data Manager
Kentucky State Nature Preserves Commission

DATE: October 7, 2016

SUBJECT: Amendment to the 2016-2020 Transportation Improvement Program

Myotis grisescens (Gray myotis. federally listed endangered, KSNPC threatened)

A thorough survey for this species should be conducted by a qualified biologist. The survey should include a search for potential roost and winter sites, and a mistnetting census at numerous points within the proposed corridor, particularly in preferred summer habitat. Summer foraging habitats include upland forests, bottomland forests and riparian corridors. Suitable roost and winter sites include sandstone and limestone caves, rockhouses, clifflines, auger holes, and abandoned mines. In order to avoid impacts to bats, bottomland forests and riparian corridors, particularly near caves, should not be disturbed.

This project as planned goes through one or more large forest blocks. KSNPC is now monitoring large forest blocks, which are defined as 900 or more acres of contiguous forest. Large forest blocks were determined using the best available data at this time. Forest fragmentation is one of the primary impacts to plants and animals that require large tracts of forest for all parts of their life cycles. Fragmenting or impacting large forest blocks should be avoided.

The creation of the I-65 spur corridor may impact several Conservation Sites including but not limited to easements, wetlands, sloughs, management areas and some bat sites.



DEPARTMENT OF THE ARMY
U.S. ARMY ENGINEER DISTRICT, LOUISVILLE
CORPS OF ENGINEERS
P.O. BOX 59
LOUISVILLE KY 40201-0059
FAX: (502) 315-6677
<http://www.lrl.usace.army.mil/>

September 26, 2016

Operations Division
Regulatory Branch (South)
ID No. LRL-2016-00995-teh

Ms. Karissa Lemon
Bowling Green-Warren County MPO
1141 State Street
Bowling Green, Kentucky 42101

Dear Ms. Lemon:

This is in response to your letter dated September 22, 2016, requesting environmental review regarding an Amendment to the 2016-2020 Transportation Improvement Program (TIP) for the Bowling Green-Warren County MPO area in Kentucky.

The U.S. Army Corps of Engineers (USACE) exercises regulatory authority under Section 10 of the Rivers and Harbors Act of 1899 (33 USC 403) and Section 404 of the Clean Water Act, 1972 (33 USC 1344) for certain activities in "waters of the United States (U.S.)." Section 404 requires that a Department of the Army (DA) permit be obtained for the placement or discharge of dredged and/or fill material into "waters of the U.S.," including wetlands, prior to conducting the work.

"Waters of the U.S.," include hydrologically connected lakes, rivers and stream channels exhibiting an Ordinary High Water Mark (OHWM), wetlands, sloughs, wet meadows and wetlands adjacent to "waters of the U.S." The OHWM elevation is the line on the bank established by the changing water surface and indicated by physical characteristics such as a clear natural line impressed on the bank, shelving, changes in the character of the soil, destruction of terrestrial vegetation, and other indications as determined upon inspection of the area.

Section 10 requires that a DA permit be obtained for any work that occurs in, under, or over navigable water. These waters include all waters that are currently used, were used in the past, or may be susceptible to use in interstate or foreign commerce. Based on the information provided by you and available mapping, there does not appear to be any "waters of the U.S." subject to Section 10 of the Rivers and Harbors Act.

Based on the information provided by you, it appears that there may be "waters of the U.S." located within the project boundaries that would be subject to Section 404 of the Clean Water Act. Based on available mapping, the Kentucky Watershed Viewer has identified karst dye trace flow at the project area. "Waters of the U.S.," may include any stream channels (perennial, intermittent, ephemeral) and/or hydrologically connected lakes exhibiting an OHWM and any adjacent wetlands within the proposed project area. A jurisdictional determination must be completed if a proposed project would impact any "waters of the U.S.," including wetlands.

Our comments on this project are limited to only those effects, which may fall within our area of jurisdiction and thus does not obviate the need to obtain other permits from State or local agencies.

If the project would necessitate the discharge of dredged or fill material into any "waters of the U.S.," including jurisdictional wetlands, then you should submit a DA permit application for review by this office. We will need a completed DA permit application along with additional details regarding the project's design, scope, photos, construction methods, purpose and the locations (coordinates) of all "waters of the U.S." Please allow sufficient time in your preconstruction schedule for the processing of a DA permit application. Copies of DA permit application forms can be obtained by writing to the above address ATTN: CELRL-OPF-S or online at <http://www.lrl.usace.army.mil/>.

If we can be of any further assistance, please contact us by writing to the above address, ATTN: CELRL-OPF-S, or by calling me at 502-315-6683.

Sincerely,

Todd E. Hagman

Todd E. Hagman
Senior Project Manager
South Section
Regulatory Branch