The
AREA PLAN COMMISSION
of Tippecanoe County

Technical Transportation Committee Meeting

Date.....January 15, 2020
Time.....2:00 PM
Place.....Lafayette City Hall
Board of Works Room
20 North 6th Street
Lafayette, Indiana

AGENDA

I. APPROVAL OF MINUTES FROM DECEMBER 18, 2019

Documents:

TECH Minutes 12.18.2019.pdf

II. ACCESS PERMITS

III. ADMINISTRATIVE MODIFICATIONS TO THE FY 2020-2024 TIP

A. December 27, 2019 - reallocate $15,067 in FY 2020 STBG funds from ROW to PE for Yeager Rd project

Documents:

FY 2020 TIP Modification Yeager Road PE Mitigation.pdf

IV. APC PROGRESS REPORT

A. MPO Update
   i. Monthly Funding Report
   ii. 2020 and 2021 traffic count locations
B. INDOT 18-Month Letting List

Documents:

Detailed Summary January 2020 FY 2020 TIP.pdf
2020 January Lettings.pdf
2020 01 Lettings Map.pdf

V. OTHER BUSINESS

VI. CITIZEN COMMENTS

VII. ADJOURNMENT

Next meeting is February 19, 2020

In accordance with the requirements of Title II of the Americans with Disabilities Act of 1990 ("ADA"), the Area Plan Commission of Tippecanoe County will not discriminate against qualified individuals with disabilities on the basis of disability in its services, programs, or activities. For more information visit www.tippecanoe.in.gov/ada

GREATER LAFAYETTE AREA TRANSPORTATION & DEVELOPMENT STUDY
TECHNICAL TRANSPORTATION COMMITTEE

MEETING MINUTES
December 18, 2019

VOTING MEMBERS PRESENT

Stewart Kline	Tippecanoe County Highway Engineer
Jon Fricker	JTRP
Sallie Fahey	Area Plan Commission
Scott Chandler (proxy for Bill Smith)	INDOT – Crawfordsville Division
Ed Garrison	West Lafayette City Engineer
Dave Griffee (proxy for Jeromy Grenard)	Lafayette City Engineer
William Carpenter	Lafayette Police Department
Bryce Gibson (proxy for Marty Sennett)	CityBus
Jason Philhower (proxy for Troy Harris)	West Lafayette Police Department
Jim Knapp (proxy for Adam Baxmeyer)	Purdue University Airport

VOTING MEMBERS ABSENT

Rob Hainje	Tippecanoe County Sheriff's Department

NON-VOTING MEMBERS PRESENT

Aria Staiger	APC
Marcus Smith	West Lafayette
Mark Harlow	Dayton Town Manager
Colin Sullivan	BF&S
Melissa Patton	INDOT
Mike Spencer	Tippecanoe County Highway Department

Jon Fricker called the meeting to order at 2:00 p.m.

I. APPROVAL OF MINUTES

Bryce Gibson moved to approve the minutes of the November 20, 2019 meeting as submitted. Scott Chandler seconded. The minutes were approved by unanimous voice vote.

II. ACCESS PERMITS

Scott Chandler said INDOT is now without a Permits Manager. There were five minor permits filed which included a new gas line to a commercial business on US 52 and a private drive to a new home. He asked for future reference, if there is a level of business for these permits the Board would like to be reported.

Sallie Fahey said a change in use at a commercial site and new development at a commercial site is what the Board is interested in discussing.

Scott Chandler said there is not any type of that business in new permits right now.

Jon Fricker said to report a permit that may affect traffic flow.

Sallie Fahey said it is fine to report any permits that he feels may be important to discuss.

Scott Chandler said there is geotechnical work being done on US 52 at Indian Creek with soil borings. This type of work is also being done at the interchange on SR 38 at I65.

III. AMEND FY 2020-2024 TIP

Doug Poad said there was a request from the district office for a new project located on US 52 south of Lafayette. This will involve adding auxiliary acceleration and deceleration lanes at nine intersections. Four of which are in Tippecanoe County at CR 450S, 800S, and the north and south junctions of SR 28. The project includes programming funds for preliminary engineering and construction. Preliminary engineering will be in 2020 using both federal and state funding with a total cost of $250,000. Construction is programmed for 2022 using federal and state funds with an estimated cost of $2.3 million. Staff is recommending approval of this amendment.

Stewart Kline asked if this is just lane construction or if alignment will be done as well.

Scott Chandler said this project focuses on creating left hand turn movements in the median to remove that movement from the through lane.

Stewart Kline asked if this is a safety improvement project.

Scott Chandler said this project is for safety improvement. There will be slotted left turn lanes at intersections.

Stewart Kline moved to recommend approval of this amendment to the Policy Board. Bryce Gibson seconded. The motion passed by unanimous voice vote.

IV. APC PROGRESS REPORT
MPO Update
MPO Funding Swaps

Sallie Fahey said all the MPOs have agreed to figure out if they would be spending all their FY 2020 funding or if they would have funding to give to other MPOs that need extra funding in FY 2020. She said we need get rid of $742,011 in FY 2020 because there is a proposed project in 2021 that will take $2.1 million in federal funding. The plan is to get rid of $742,011 in FY 2020 and get that amount back in FY 2021 along with another MPO's funding that we would repay in FY 2022. The proposed project is a safety project on North River Road at CR 500 N. The county is well along in purchasing right-of-way which could be done by the beginning of the FY 2020 on July 1st, if these swaps get moved around. Terre Haute has the biggest need of money in FY 2020 but does not want to pay it back until FY 2022 or FY 2023. However, in later communication, they said they might have some flexibility to pay back in 2021. If this can be finalized, funds would need to be allocated from another MPO that would give us FY 2021 funding for repayment in FY 2022.

Stewart Kline asked if we are only able to get two-thirds of the funding, if the other third can be taken from local funds then replaced with funds at the start of FY 2022.

Doug Poad said yes, if another MPO can flex the money.

Stewart Kline said it would give us another year to get the funding needed.

Sallie Fahey said that would potentially work. We do not necessarily want to abandon the project because there is not another project ready to use this much funding.

Stewart Kline asked what the implications of moving the project to 2022 would be.

Sallie Fahey said we would have to find a project to use FY 2021 funds or another MPO that needs FY 2021 funds. This is a good example of the problems that occur for MPOs when INDOT does not allow funding to be carried over to the following fiscal year. Projects must be ready in advance and if the project is extensive, it can't be done with the funding from a single year. MPOs must have an aggregate of multiple years funding to complete projects.

FY 2020 Safety Performance Measures and Targets Agreement

Sallie Fahey said every year, INDOT is required to submit five categories of safety targets to the Federal Highway Administration which include number of fatalities, fatality rates, number of serious injuries, serious injury rate and fatality and number of non-motorized fatalities and serious injuries. All MPOs have decided it would be silly to each create safety targets because of the extensive amount data collection and analysis needed to do so. Not all MPOs have accurate VMT data. Each MPO has agreed to follow the course of supporting INDOT's safety targets. These targets can be supported through spending safety funding to help prevent serious injuries and fatalities. At the Policy Board meeting earlier in the month, a vote approved supporting the new safety targets released by INDOT for FY 2020. This was done last year for FY 2019 as well as four other areas. The safety targets in FY 2020 are higher in some areas than in FY 2019. Fatalities and fatality rates are higher in FY 2020 compared to FY 2019.

Jon Fricker asked if the targets are at the state level.

Sallie Fahey said that is correct; they are statewide targets.

Stewart Kline asked if action was taken by the Policy Board.

Sallie Fahey said action was taken by the Policy Board; this is an information only item.

Bike Crash Report

Doug Poad said this report included crashes that involved bicycles from 2013 through 2017. The previous report was from 2007 through 2012 which included similar data. The report lists statistics for injury crashes and fatality crashes by time, day of the week and month. The report also looks at the age of the cyclists and road conditions. This report compares the information from Tippecanoe County to that of the state. The report studies who was at fault of the crash as well as locations of the crashes which are broken down into four areas; Lafayette, West Lafayette, Purdue campus and the county. This report looks at the 228 reported crashes that involved bicycles in Tippecanoe County in 2013 through 2017. This is an average of 46 bicyclist-vehicle crashes a year. The crashes were most prevalent during September and October on Wednesdays in the late afternoon. Comparing the bicycle crashes to total crashes, less than 1% involve a bicycle. Unfortunately, there was one fatality during this study. This occurred in 2013 on North 9th Street. Cyclists sustained injuries in three of four crashes. Over 46% of the crashes involved cyclists between the ages of 16 and 24. Male cyclists were involved in over 85% of all the bicycle crashes. Motorists were slightly more responsible in causing a crash. The most common cause was failure to yield when either the cyclist or motorist were at fault. Looking at the four areas, Lafayette, West Lafayette, Purdue campus and the county, there were 113 crashes in Lafayette and 63 crashes on Purdue campus. In the previous report there were 129 in Lafayette and 124 on Purdue campus. The construction that occurred on campus during this time may have contributed to fewer crashes. The intersection of State Street and Salisbury had the highest number of crashes, 5, of any other intersection. There were a few corridors that had a significant number of crashes; Salisbury Street, 19; State Street in West Lafayette, 17; 18th Street in Lafayette, 14; Grant Street, 14; 9th Street in Lafayette, 12; South Street in Lafayette, 11; 4th Street in Lafayette, 10; and the Creasy and Brady Lane corridor, 10. The largest portion of crashes occurred at intersections and a third of the crashes occurred when cyclists were riding on the sidewalk. Tippecanoe County had a .08% rate of bike crashes while the state had .05%. The report outlines more statistics and maps in detail.

Sallie Fahey said whatever we do to try to reduce bike crashes in Tippecanoe County will improve the non-vehicular crash rate and the target state-wide. We can support state targets locally.

Jon Fricker asked if it is a complete streets philosophy.

Sallie Fahey said there have been conversations that standardized rules between jurisdictions would help. Especially in the case of whether a bicyclist can ride on a sidewalk or not; it is not always clear to bicyclists. This could be accomplished through education and having standardized rules between jurisdictions.

Jason Philhower said that is difficult to accomplish. There have been questions about right-of-way on the cycle-track on State Street near Littleton and Salisbury. There was a car-bicycle crash in this area a few weeks prior.

Ed Garrison said this area has a vehicle turn into a bicycle right-of-way. Vehicles are looking for bicyclists, but the bicyclists are going too fast down the hill.

Sallie Fahey said when going up the hill westbound and turning right on Salisbury, it is hard to see if someone is coming up on the right shoulder.

Ed Garrison said it is not just downhill movements; it has been uphill movements from people coming out of Salisbury.

Jason Philhower said on Salisbury, people are looking for traffic from the left and looking for bicycles on the right.

Ed Garrison said this has been brought to the Traffic Commission more than once and there will be an on-site meeting with them in January. They are looking to put up more signage or additional stops.

Jon Fricker asked about the stop sign behind the sidewalk that is covered by a tree.

Ed Garrison said this sign has been updated. However, another sign will be posted for bicycle crossing.

Jason Philhower said these are the two uncontrolled intersections as far as cyclist traffic because everywhere else has a stop light and the bicycles follow the pedestrian sign.

Ed Garrison said this is a challenge. We have been fortunate that the accidents that have occurred there have not been serious, but that is just a matter of time.

Jon Fricker asked how many bicycles stop or slow down when they are going downhill.

Ed Garrison said that is much more complicated. If a stop sign is put up, there is a chance that it will not be adhered to and the cyclist right-of way has been taken away, putting them at fault. We need to figure out how to get people to slow down even if it is a sign with the message “SLOW” on the cycle-track on the way down.

Scott Chandler asked if the motorized scooters and skateboards fall under the bicycle category.

Ed Garrison said under the ordinance, they fall under that category.

Sallie Fahey said they can be on the cycle-track.

Ed Garrison said they have the same rights and privileges as a bicyclist. There is now signage for larger sidewalks that are misconstrued as a multi-use path to indicate that it is just a sidewalk.

Jason Philhower said at the roundabout near the hotel on Tapawingo, there is a sign that indicates “Pedestrian Only” that is right next to the motorized scooter parking.

Ed Garrison said locations have to be identified where scooters are accessible. These are access spots where scooters can be walked like a bike. As new and better locations come available, these can be adjusted.

Sallie Fahey said if the report is accessed electronically, the maps can be expanded for a clearer view.

Jon Fricker asked about the reference to darkness, dawn or dusk in the report. He asked if that work was done by someone else because the times of darkness, dawn or dusk change with each season.

Jason Philhower said it is listed in the initial crash report just like listing if it is clear, cloudy or rainy.

INDOT 18-Month Letting List

Doug Poad said Projects 1 through 10 were on a November letting date and were awarded to HIS Constructors for $1.5 million which is roughly $200,000 under the engineer's estimate. These projects have an estimated completion date of October 31, 2020. All these projects are bridge maintenance projects. Projects 11 through 14 had a December letting date. The lowest bid for Project 11 on Twyckenham Boulevard was by Milestone at $3,485,807 which is under the engineer estimate of $3.75 million. Project 12 and 13 only had one bid submitted and was over the engineer's estimate. The lowest bid for Project 14 was from Reith Riley at $800,000 which was under the engineer's estimate. Project 21, Concord Road Lighting, letting date was changed from May to March. There is a new project listed for Park East Boulevard with a letting date of January 2021.

Ed Garrison said the local letting for the Newman Road project was not on the list. Bids were opened and there was one bid under the engineer's estimate by ICC Group out of Illinois.

Stewart Kline asked what the width of the new bridge will be.

Ed Garrison said the bridge would have 16'1" clearance with a 120' single span width.

Sallie Fahey asked if the clearance will be the same for the full 120' span.

Stewart Kline asked if this will be built on a new line.

Ed Garrison said it will be built next to the existing line with a 106-hour window to remove, replace, and get everything back open.

V. OTHER BUSINESS

None.

VI. CITIZEN COMMENTS

None.

VII. ADJOURNMENT

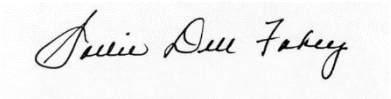
Jon Fricker moved to adjourn the meeting at 2:35 p.m.

The next meeting will be January 15, 2020.

Respectfully Submitted,

Chyna Lynch
Recording Secretary

Reviewed By,



Sallie Fahey

Executive Director

THE Area Plan Commission of TIPPECANOE COUNTY

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LAFAYETTE, INDIANA 47901-1209

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SALLIE DELL FAHEY
EXECUTIVE DIRECTOR

December 27, 2019
Ref. No.: 2019-326

Susie Kemp, Local Program Director
INDOT Crawfordsville District
41 West 300 North
Crawfordsville, IN 47933

Dear Susie:

By this letter I am administratively modifying the FY 2020-2024 TIP. This modification reallocates $15,067 in FY 2020 STBG funds from the right-of-way phase of the Yeager Road project, des #1401281 to the preliminary engineering phase for compensatory mitigation.

The attached spreadsheet shows the details. Please call if you have any questions or need additional information.

Sincerely,

Sallie Dell Fahey
Executive Director

attachment

cc Stu Kline, Executive Director
Carla Sheets, INDOT Crawfordsville District Office
Ann Bishop, INDOT Crawfordsville District Office
Justin Sergent, INDOT Central Office
Stephani Vermillion, INDOT Central Office

TIP ADMINISTRATIVE MODIFICATION, DECEMBER 27, 2019

Project	Des Number	Year	Federal Funding	Phase	Before Federal Share	Changes	After Federal Share	After Local Share	After Total Cost	Notes
Park East	1401281, Yeager Road									
		2020	STBG	RW	166,063	-15,067	150,996	37,749	188,745	*A portion of the federal funds from the right-of-way phase*
			STBG	PE	0	15,067	15,067	3,767	18,834	*has been reallocated to the PE phase for compensatory mitigation.*

Federal Funding Status Report: January 2020 — *Fiscal Year 2020*

Obligated Projects, INDOT's Monthly Report

Project	Des Number	Federal Obligation	Fund	Month	Phase
Yost Drive	1900483	171,150.00	STBG	November	PE
Yost Drive	1900483	180,050.00	STBG PYB	November	PE

FY '20 TIP Funding Allocation

STBG Funding

		Annual Funds			PYB Funds		
Project	Des Number	Federal Funds Allocated in TIP	INDOT Report	Balance	Federal Funds Allocated in TIP	INDOT Report	Balance
Twyckenham Blvd, CN	1401285	3,105,957	2,886,248.00	219,709.00	-	0.00	0.00
Concord Road Trail Lighting, CN	1900477	-	0.00	0.00	214,000	0.00	214,000.00
Park East Boulevard, RW	1700405	-	0.00	0.00	108,000	0.00	108,000.00
Yeager Road, PE	1401281	15,067	15,067.00	0.00	-	0.00	0.00
Yeager Road, RW	1401281	150,996	0.00	150,996.00	169,524	0.00	169,524.00
Yost Drive, PE	1900483	179,950	171,150.00	8,800.00	180,050	180,050.00	0.00
South 9th Street, PE	1900482	480,000	0.00	480,000.00	-	0.00	0.00
Klondike Road, CN	1173626	100,000	0.00	100,000.00	-	0.00	0.00
US 231 Study	1901666	70,444	0.00	70,444.00	-	0.00	0.00
		4,102,414	3,072,465.00	1,029,949.00	671,574	180,050.00	491,524.00

HSIP Funding

		Annual Funds			PYB Funds		
Project	Des Number	Federal Funds Allocated in TIP	INDOT Report	Balance	Federal Funds Allocated in TIP	INDOT Report	Balance
Yeager Road, RW	1401281	0	0.00	0.00	323,531	0.00	323,531.00
McCutcheon Ped Safety, RW	1601028	0	0.00	0.00	450,000	36,900.00	413,100.00
Trade to Another MPO	---	742,011	0.00	742,011.00	-	0.00	0.00
		742,011	0	742,011.00	773,531	36,900.00	736,631.00

TA Funding

		Annual Funds			PYB Funds		
Project	Des Number	Federal Funds Allocated in TIP	INDOT Report	Balance	Federal Funds Allocated in TIP	INDOT Report	Balance
Twyckenham Blvd, CN	1401285	217,598	217,598.00	0.00	-	0.00	0.00
		217,598	217,598	0.00	0	0	0.00

Shown in INDOT's Monthly Report
FMIS Request, Approval letter or Email Approval
Balance of Federal Funds

18 Month Letting List - December 27, 2019

(INDOT update: December 15, 2019)

		Letting Date	Road	Type of Work	Location	Des & Contract Number	Previous Letting Date
1	**S**	12/11/2019	Twyckenham Boulevard	From Poland Hill road to South 9th street	Road Reconstruction (3R/4R Standards)	1401285 *R-37906*	
2	**S**	12/11/2019	US 231	Debris Removal From Channel	over Big Wea Cr; Elliott Dt, 01.28 mi S of SR 25	1801344 *41411*	
3	**S**	12/11/2019	US 231	Debris Removal From Channel	over Big Wea Cr; Elliott Dt, 01.28 mi S of SR 25	1801338 *41411*	
4	**S**	12/11/2019	US 52	Asphalt Patching	Various Terminal Joints throughout Tippecanoe County (TCAPC)	1901663 *42126*	
5	**S**	2/5/2020	US 231	New Signal Installation	at CR-800 S intersection; 2.95 mi N of SR-28	1802809 *41836*	
6	**S**	2/5/2020	US 231	New Signal Installation	US-231 at the SR-28 intersection	1802807 *41836*	
7	**S**	2/5/2020	SR 26	New Signal Installation	at CR-900 E intersection, 4.71 mi E of I-65	1802820 *41836*	
8	**S**	3/4/2020	SR 25	Small Structure Replacement	1.51 mi S of SR 28, W Jct, Over Wallace Ditch	1500120 *41880*	
9	**S**	3/4/2020	I-65	ITS Traffic Management Systems	CCTV/DMS from 1.5 miles south of SR 47 to US 24/231 (Exit 201)	1800572 *41233*	
10	**NL**	3/4/2020	SR 38	Debris Removal From Channel	over S Fork Wildcat Creek; 01.70 mi E of I-65	1801353 *41400*	
11	**S**	3/4/2020	Concord Road	Lighting	from Maple Point Drive Extension to Veterans Memorial	1900477 *41911*	
12	**S**	4/1/2020	SR 225	Bridge Deck Overlay	over Burnett Creek; 1.24mi S of SR 43	1702137 *40523*	
13	**S**	4/1/2020	SR 225	Bridge Deck Overlay	over Burnett Creek; 1.95 mi S of SR 43	1701548 *40523*	
14	**S**	4/1/2020	I-65	Bridge Maintenance And Repair	0.23 mi S of SR 43 (SB)	1901580 *42092*	
15	**S**	4/1/2020	I-65	Bridge Maintenance And Repair	0.23 mi S of SR 43 (NB)	1901578 *42092*	
16	**S**	4/1/2020	I-65	Bridge Deck Patching	0.58 mi S of SR 43	1901585 *42095*	
17	**S**	4/1/2020	I-65	Small Structure Pipe Lining	over Unnamed Ditch/Creek; 2.87 mi N of SR 43	1701549 *40527*	
18	**S**	7/8/2020	Lindberg Road	Road Reconstruction (3R/4R Standards)	Lindberg road from Klondike to McCormick	1173627 *35297*	
19	**S**	11/10/2020	N. River Road	Intersect. Improv. W/ Added Turn Lanes	CR 500 N approach in Tippecanoe County	1401279 37908	
20	**S**	1/13/2021	Park East Boulevard	New Road Construction	New Road between Haggerty Lane and SR 38	1700405 *40125*	

Same, **N**ew, **C**hange, **N**ot **L**isted, **R**elisted

Bid Letting Results

12/11/2019	Twyckenham Boulevard	From Poland Hill road to South 9th street	Road Reconstruction (3R/4R Standards)	1401285 *R-37906*

Project awarded to Milestone Contractors LP for $3,485,807.40
Engineer's estimate: $3,753,719.63
Two bids submitted
Estimated completion date: May 1, 2021

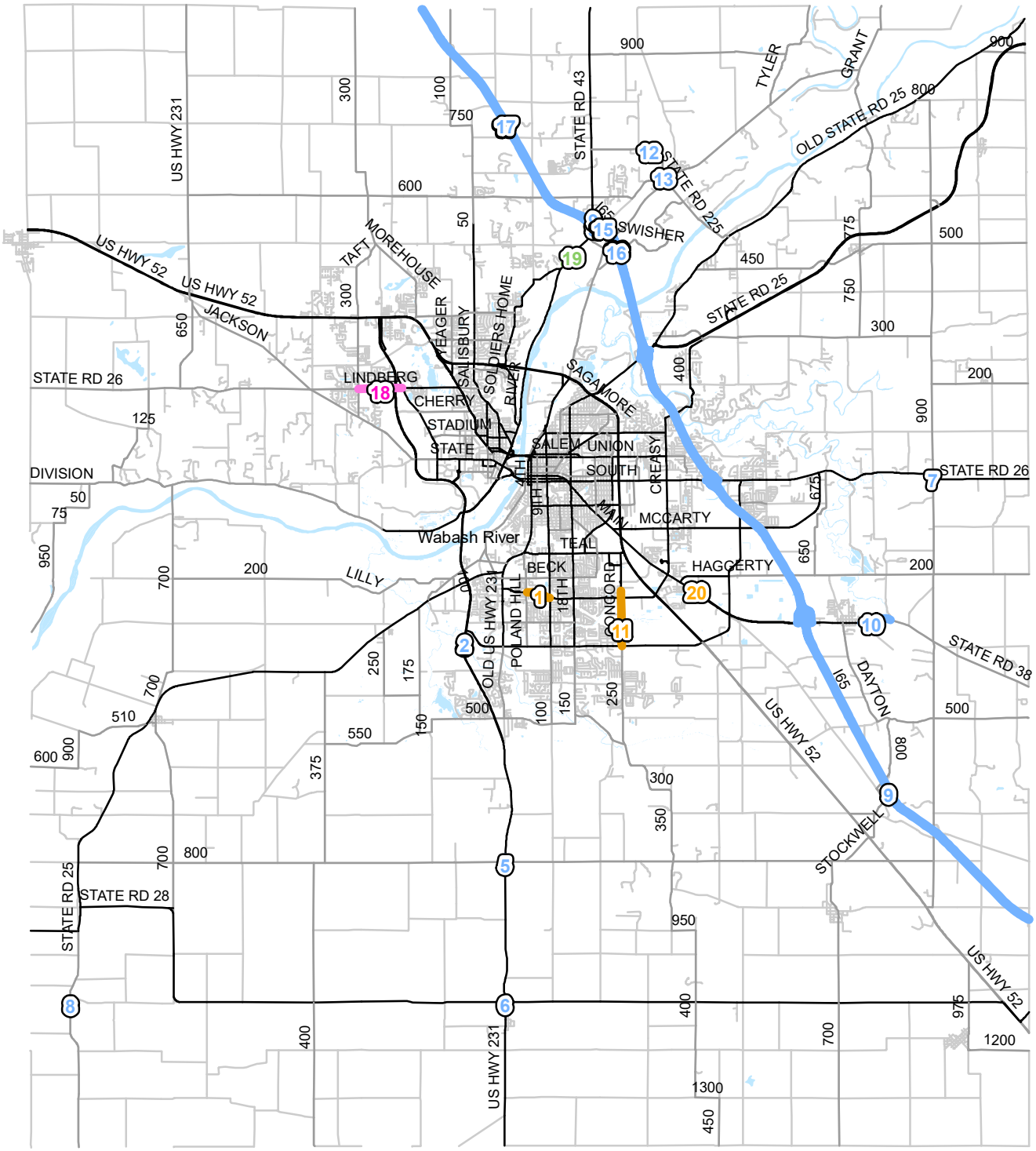
12/11/2019	US 231	Debris Removal From Channel	over Big Wea Cr; Elliott Dt, 01.28 mi S of SR 25	1801344 *41411*
12/11/2019	US 231	Debris Removal From Channel	over Big Wea Cr; Elliott Dt, 01.28 mi S of SR 25	1801338 *41411*

Project award shown as pending with note
Note: Additional time is required for INDOT, Economic Opportunity Division, good faith efforts review
Engineer's estimate: bid above estimate
One bid submitted, Linkel Company LLC for $940,167.00
Estimated completion date: September 30, 2020

12/11/2019	US 52	Asphalt Patching	Various Terminal Joints throughout Crawfordsville District	1901663 R-*42126*

Project awarded to Rieth Riley Construction for $794,070.00
Engineer's estimate: $844,328.44
Three bids submitted
Estimated completion date: July 30, 2020

January 18-Month Letting List



THE Area Plan Commission of TIPPECANOE COUNTY

N W E S

12/30/2019

- Lafayette
- West Lafayette
- County
- INDOT