



## NORTHEAST OHIO AREA WIDE COORDINATING AGENCY

### MEMORANDUM

**TO:** NOACA Board of Directors

**FROM:** Grace Gallucci, Executive Director

**DATE:** March 3, 2017

**RE:** **Resolution 2017-010 – Plan and TIP Amendments – 3rd Quarter State Fiscal Year (SFY) 2017**

#### **ACTION REQUESTED**

The Board of Directors is asked to approve the amendment of NOACA's long-range transportation plan (Plan) and the Transportation Improvement Program (TIP) to include the proposed projects as indicated. Please note that some of the projects listed are to be amended to the Plan, some to the TIP and others to both the Plan and TIP.

The Transportation Subcommittee, Planning and Programming Committee and Executive Committee support this recommendation.

#### **BACKGROUND**

The proposed amendments to the Transportation Plan and the state fiscal year (SFY) 2016 – 2019 TIP are being processed through project planning review (PPR). The projects include roadway and bridge projects sponsored by the Ohio Department of Transportation (ODOT).

#### **FINANCIAL IMPACT**

The cost of the proposed projects being amended to the Plan and TIP is \$313 million. Funding for these projects is committed and/or planned from a variety of federal, state, and local sources. Federal funding is provided by the Federal Highway Administration and is administered through the Ohio Department of Transportation.

#### **CONCLUSION/NEXT STEPS**

With Board approval, the amendments will be incorporated into the NOACA Plan and/or statewide TIP amendment in April 2017.

GG/em/2935b

Attachments: Amendments

**RESOLUTION 2017-010  
(PLAN AND TIP AMENDMENTS  
for 3<sup>rd</sup> QUARTER SFY 2017)**

**RESOLUTION OF THE BOARD OF DIRECTORS  
OF THE  
NORTHEAST OHIO AREAWIDE COORDINATING AGENCY**

**WHEREAS**, the Northeast Ohio Areawide Coordinating Agency (NOACA) is the Metropolitan Planning Organization (MPO) for the counties of Cuyahoga, Geauga, Lake, Lorain, and Medina, and the City of Cleveland; and the areawide water quality management agency for the same region; and

**WHEREAS**, the Congress of the United States, through law, and the U.S. Department of Transportation, through regulation, have determined that MPOs shall create a long-range, 20-year transportation plan and a four-year Transportation Improvement Program (TIP) that list federal-aid transportation projects expected to be implemented in each of the program years; and

**WHEREAS**, the NOACA Board of Directors' Regional Transportation Investment Policy requires that all proposed federal-aid transportation projects be processed through project planning review in order to meet transportation plan goals and federal requirements; and

**WHEREAS**, the following projects are proposed amendments to the NOACA long-range transportation plan (Connections+ 2035) and state fiscal year (SFY) 2016 - 2019 TIP:

- a) Ohio Department of Transportation (ODOT): CUY IR 90 - 21.02 PID No.: 103821 - The proposed project involves countermeasures to improve traffic flow and reduce crashes at the IR-90 interchange, at Martin Luther King (MLK) Drive, in Cleveland.
- b) Ohio Department of Transportation (ODOT): CUY IR 480 - 18.42 L&R DECK: PID No.: 90591 - The proposed project will involve replacing the decks of the twin IR-480 bridges and constructing a new four lane structure, between the existing bridges, over the Cuyahoga River Valley, in Valley View and Independence.
- c) Ohio Department of Transportation (ODOT): LAK IR 271 - 1.27/1.45: PID No.: 99788 - The proposed project involves replacing the ramp bridges from IR-271 northbound to IR-90 westbound, over Eddy Road and mainline I-271, in Willoughby Hills.

**WHEREAS**, nonattainment and maintenance areas through a process called transportation conformity to demonstrate that emissions resulting from planned transportation system improvements will not exceed an area's emissions budget; and

**WHEREAS**, the United States Environmental Protection Agency (USEPA) establishes air pollution standards pursuant to the Clean Air Act for the preservation of public health and the environment;

**WHEREAS**, the USEPA designated the counties of Ashtabula, Cuyahoga, Geauga, Lake, Lorain, and Medina, Portage and Summit as a maintenance area under 1997 eight-hour ozone standard; and as a marginal nonattainment area under the 2008 eight-hour ozone standard; and designated the counties of Cuyahoga, Lake, Lorain, Medina, Portage, and Summit are a maintenance area under the 2006 annual fine particles standard and designated the counties of Cuyahoga and Lorain a moderate nonattainment area under the 2012 annual fine particles standard; and

**WHEREAS**, item "b" (CUY IR 480 - 18.42 L&R DECK: PID No.: 90591) is a capacity addition and therefore must transportation conformity with the ozone and particulate matter state implementation plans (SIPs); and

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**WHEREAS**, the other projects are capacity neutral and do not require an emissions analysis for transportation conformity; and

**WHEREAS**, the necessary analyses have been conducted and the attached results (Exhibit 1) demonstrate transportation conformity for the IR-480 bridge project; and other projects are capacity neutral and do not require an emissions analysis for transportation conformity; and

**WHEREAS**, these quantitative air quality analyses demonstrate that the NOACA 2035 Transportation Plan (Connections+ 2035) and the SFY 2016 – 2019 Transportation Improvement Program remain in conformity with applicable air quality standards of the State Implementation Plan ; and have been conducted and the attached results (Exhibit 1) demonstrate transportation conformity for the IR-480 bridge project; and other projects are capacity neutral and do not require an emissions analysis for transportation conformity; and

**WHEREAS**, the necessary coordination between the Cleveland/Akron Air Quality Area partners (Erie Regional Planning Commission for the Lorain County portion of the City of Vermilion; Akron Metropolitan Area Transportation Study (AMATS) for Portage and Summit Counties; NOACA for Cuyahoga, Geauga, Lake, Lorain and Medina Counties; and ODOT for Ashtabula County) has occurred to establish conformity under the eight-hour ozone and fine particulate matter standards; and

**WHEREAS**, the above projects are consistent with current financial forecasts and plans; and

**WHEREAS**, it is expected that the project sponsors will, in good faith, endeavor to address comments and recommendations raised during project planning review and will provide evidence of such, prior to the project advancing; and

**WHEREAS**, the above projects are recommended by the Transportation Subcommittee (TS), Planning and Programming Committee and the Executive Committee as amendments to the Plan and TIP as appropriate.

**NOW, THEREFORE, BE IT RESOLVED** by the Board of Directors of the Northeast Ohio Areawide Coordinating Agency, consisting of 45 principal officials serving general purpose local governments throughout and within the counties of Cuyahoga, Geauga, Lake, Lorain, and Medina that:

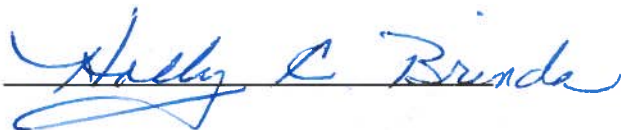
**Section 1:** The referenced projects have had appropriate review and are recommended for approval.

**Section 2:** The NOACA transportation plan and TIP are amended to include the projects for project development and processing review purposes.

**Section 3:** The Executive Director is authorized to transmit certified copies of this resolution to appropriate federal, state, and local agencies.

Certified to be a true copy of a Resolution of the Board of Directors of the Northeast Ohio Areawide Coordinating Agency adopted this 10<sup>th</sup> day of March 2017.

Secretary: \_\_\_\_\_



Date Signed: \_\_\_\_\_

3-10-2017

**Exhibit 1  
 Summary Tables  
 CUY IR 480-18.42 (L&R) Deck: PID 9059  
 Transportation Conformity Analyses**

**2008 8-Hour Ozone Standard**

Attainment status: 2008 8-Hour Ozone standard – nonattainment area (77 FR 98 / May 21, 2012)  
 SIP Status: 2008 Standard Ozone SIP Redesignation & Maintenance Plan submission Budget adequacy finding (81 FR 71444 / October 17, 2016)  
 8-Hour Geography: ATB, CUY, GEA, LAK, LOR, MED, POR, SUM Counties, OH  
 Conformity Tests: 2008 Standard 8-Hour budget tests  
 Analysis Years: 2020 Budget year – 1<sup>st</sup> Analysis year  
 2030 Budget year  
 2035 Plan(s) horizon year

8-Hour Ozone Test	2020 8-Hour Budget	2020 Emissions	2030 8-Hour Budget	2030 Emissions	2035 Emissions
<b>AMATS</b>					
VOC		5.26		4.23	3.04
NOx		5.91		5.31	3.78
<b>NOACA</b>					
VOC		21.13		13.57	11.02
NOx		26.09		11.71	8.78
<b>Ashtabula Co.</b>					
VOC		0.93		0.58	0.43
NOx		1.56		0.84	0.67
<b>Totals</b>					
VOC	38.85	27.33	30.80	18.38	14.50
NOx	61.56	33.57	43.82	17.87	13.24

**PM<sub>2.5</sub> 2006 Standard**

Attainment status: 1997 Standard PM<sub>2.5</sub> Maintenance Area  
 2006 Standard PM<sub>2.5</sub> Maintenance Area  
 SIP Status: Northeast Ohio Redesignation/Maintenance Plan for 1997 and 2006 PM<sub>2.5</sub> Standards (78 FR 57270 / September 18, 2013)  
 Geography: Cuyahoga and Lorain County, OH  
 Conformity Tests: SIP Maintenance Plan Budget tests  
 Analysis Years: 2020 1<sup>st</sup> Analysis year – aligned with ozone tests  
 2022 Budget year  
 2030 Interim year  
 2035 Plan(s) horizon year

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<b>PM<sub>2.5</sub> Test</b>	<b>2015 Budget</b>	<b>2020 Emissions</b>	<b>2022 Budget</b>	<b>2022 Emissions</b>	<b>2030 Emissions</b>	<b>2035 Emission</b>
<b>AMATS</b>	tons / year					
Direct PM		157.06		134.98	109.32	88.77
NOx		3,187.69		2,729.62	1,876.72	1,412.40
<b>NOACA</b>						
Direct PM		586.88		506.00	367.70	321.89
NOx		13,606.14		11,532.80	6,329.25	4,481.14
<b>Ashtabula Twp.</b>						
Direct PM		2.59		2.19	1.68	1.53
NOx		60.48		50.33	35.26	29.75
<b>Area Totals</b>						
Direct PM	1,371.35	746.53	880.89	643.17	478.70	412.19
NO	35,094.70	16,854.31	17,263.65	14,312.75	8,241.23	5,923.29

**PM<sub>2.5</sub> 2012 Standard**

Attainment status: PM<sub>2.5</sub> Moderate Nonattainment Area (80 FR 2205 / January 14, 2015 – Cuyahoga and Lorain Counties designated moderate nonattainment area for 2012 Standards)

SIP Status: Attainment demonstration not due at this time

Geography: Cuyahoga and Lorain County, OH

Conformity Tests: 1997/2006 SIP Maintenance Plan Budget - CUY & LOR subset - tests

Analysis Years: 2021 Attainment year – 1<sup>st</sup> Analysis year  
2022 Budget year  
2030 Interim year  
2035 Plan(s) horizon year

<b>PM<sub>2.5</sub> Test</b>	<b>2015* Budget</b>	<b>2021 Emission s</b>	<b>2022* Budget</b>	<b>2022 Emission s</b>	<b>2030 Emission s</b>	<b>2035 Emission</b>
<b>NOACA</b>						
Direct PM	659.35	378.36	463.02	376.10	267.11	232.87
NOx	18,202.07	9,119.20	8,957.18	8,463.95	4,544.80	3,156.45
*Cuyahoga and Lorain County budget totals from the 1997/2006 PM <sub>2.5</sub> SIP Maintenance Plan						



SFY 2016 - 2019 Transportation Improvement Program

Resolution No. 2017-010

Highway and Bikeway Element

3/3/17

Amendments

PID	Project Description	Type of Work	Funding Data	AQ required?
103821	CUY IR090-21.02	Interchange and roadway modifications 0.24 mile	PEDDODOT \$7,500 2017	<i>exempt</i>
	<i>Location</i> Cleveland:		PEDCHSIP \$67,500 2017	
	<i>Termini/Description</i> IR-90 interchange at Martin Luther King Dr		PEPDODOT \$17,500 2017	
			PEPDHSIP \$157,500 2017	
	<i>Project Sponsor</i> Ohio Department of Transportation District 12		CO ODOT \$224,900 2018	
			CO HSIP \$2,024,100 2018	
			<b>\$2,499,000</b>	
	<i>Comments</i>			
90591	CUY IR480-18.42 L&R DECK	Replace bridge decks/build new structure	RW MBR \$150,000 2017	<i>analyzed</i>
	<i>Location</i> Independence, Valley View:		CE ODOT \$2,430,000 2018	
	<i>Termini/Description</i> IR 480 bridges over Cuyahoga River Valley utilizing Design-Build process. Work will include constructing a new structure between the existing bridges.		CE MBR \$3,000,000 2018	
			PEDDMBR \$1,000,000 2018	
			PEDDODOT \$327,146 2018	
			PEDDGrv Bonds \$17,900,000 2018	
	<i>Project Sponsor</i> Ohio Department of Transportation District 12		PEPDODOT \$1,876,691 2018	
			PEPDODOT \$1,286,658 2018	
			CE MBR \$15,600,000 2018	
			CO Grv Bonds \$222,500,000 2018	
			CO MBR \$34,000,000 2018	
		<b>\$300,070,495</b>		
	<i>Comments</i>			

PE=preliminary engineering, RW=right of way, C=construction, CE=construction engineering, CO=construction contract, PEDD=preliminary engineering detailed design, PEPD=preliminary engineering preliminary development, AR=archeological recovery



SFY 2016 - 2019 Transportation Improvement Program

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Highway and Bikeway Element

3/3/17

Amendments

PID	Project Description	Type of Work	Funding Data	AQ required?
99788	LAK IR 271 01.27/01.45	Replace bridges	PEDDODOT \$42,496 2017	<i>exempt</i>
	<i>Location</i> Willoughby Hills:		PEDDS/STP \$382,464 2017	
	<i>Termini/Description</i> Replace the ramp bridges from I-271 NB to I-90 WB over Eddy Rd and mainline I-271 in Willoughby Hills. Work will include painting the structural steel.		PEPDODOT \$67,346 2017	
			PEPDS/STP \$606,115 2017	
			CO ODOT \$950,000 Plan	
			CO S/STP \$8,550,000 Plan	
	<i>Project Sponsor</i> Ohio Department of Transportation District 12		<b>\$10,598,421</b>	
	<i>Comments</i>			

PE=preliminary engineering, RW=right of way, C=construction, CE=construction engineering, CO=construction contract, PEDD=preliminary engineering detailed design, PEPD=preliminary engineering preliminary development, AR=archeological recovery