



## Akron Metropolitan Area Transportation Study

### July 2013 Committee Meetings

#### TECHNICAL ADVISORY COMMITTEE

Thursday, July 18, 2013, 1:30 p.m.

Stow Safety Building  
3800 Darrow Road, Stow

#### CITIZENS INVOLVEMENT COMMITTEE

Thursday, July 18, 2013, 7:00 p.m.

Meeting Room 2AB  
Akron-Summit County Public Library - Main Library,  
60 South High Street, Akron

#### POLICY COMMITTEE

Wednesday, July 24, 2013, 1:30 p.m.  
Martin University Center – South Room  
105 Fir Hill, Akron

THIS MAILOUT IS ALSO AVAILABLE ON THE AMATS WEB SITE AT:  
<http://www.amatsplanning.org/wp-content/uploads/2013/07/TAC-CIC-and-Policy-Committee-Meeting-Packet-July-2013.pdf>



**Akron Metropolitan Area Transportation Study  
Policy Committee  
Martin University Center – South Room  
105 Fir Hill, Akron, Ohio**

**Wednesday, July 24, 2013  
1:30 p.m.**

**Agenda**

1. **Call to Order**
  - A. Determination of a Quorum Oral
  - B. Audience Participation\*
2. **Minutes - Motion Required**
  - A. May 16, 2013 Meeting Attachment 2A
3. **Staff Reports**
  - A. Financial Progress Report - **Motion Required** Attachment 3A
  - B. Technical Progress Report Oral
  - C. AMATS Federal Funds Report Attachment 3C
  - D. Final Certification of the Urban Transportation Planning Process Oral
4. **Old Business**
5. **New Business**
  - A. 2010-2012 Traffic Crash Technical Memorandum - **Motion Requested** Attachment 5A
  - B. Ohio Research Initiative for Locals (ORIL) Presentation Oral
6. **Resolutions**
  - A. **Resolution 2013-10** – Approving Amendment #1 to the Transportation Improvement Program FY 2014-2017 to add TAP funding to the Village of Mantua’s SR 44 Sidewalk project. - **Motion Requested** Attachment 6A
  - B. **Resolution 2013-11** – Approving Amendment #2 to the Transportation Improvement Program FY 2014-2017 to Add New Projects and Revise the Schedule of various existing AMATS Funded Projects. - **Motion Requested** Attachment 6B
  - C. **Resolution 2013-12** – Approving Amendment #3 to the Transportation Improvement Program FY 2014-2017 to Add Ghent Historic District Wayside, Waterloo Rd/Arlington St Intersection, IR 76/IR 77/IR 277/SR 8 Study, and IR 77/White Pond Dr, Revise the Funding of Akron Cleveland Rd, And Revise the Schedule of SR 619 Wooster Rd. - **Motion Requested** Attachment 6C
7. **Other Business**
  - A. NEOSCC Update and Overview regarding Scenario Planning Open Houses Oral
8. **Adjournment**

Next Regular Meeting:  
Wednesday, September 25, 2013 - 1:30 PM  
Martin University Center - South Room  
105 Fir Hill, Akron, Ohio

**- OVER -**

\* Any individual or representative of a group may take three (3) minutes to address the Policy Committee on any topic on the agenda. Anyone desiring more time than provided herein shall notify the Director by the Friday preceding the committee meeting so that they may be placed on the agenda for a maximum of five (5) minutes.

**All mailout material is available on the AMATS Web Site at [www.amatsplanning.org](http://www.amatsplanning.org)**



**Akron Metropolitan Area Transportation Study  
Technical Advisory Committee  
Stow Safety Building  
3800 Darrow Road, Stow, Ohio**

**Thursday, July 18, 2013  
1:30 p.m.**

**Agenda**

1. **Call to Order**
  - A. Determination of a Quorum Oral
2. **Minutes - Motion Required**
  - A. May 9, 2013 Meeting Attachment 2A
3. **Staff Reports**
  - A. Financial Progress Report - **Motion Required** Attachment 3A
  - B. Technical Progress Report Oral
  - C. AMATS Federal Funds Report Attachment 3C
4. **Old Business**
5. **New Business**
  - A. 2010-2012 Traffic Crash Technical Memorandum - **Motion Requested** Attachment 5A
  - B. Ohio Research Initiative for Locals (ORIL) Presentation Oral
6. **Resolutions**
  - A. **Resolution 2013-10** – Approving Amendment #1 to the Transportation Improvement Program FY 2014-2017 to add TAP funding to the Village of Mantua’s SR 44 Sidewalk project. - **Motion Requested** Attachment 6A
  - B. **Resolution 2013-11** – Approving Amendment #2 to the Transportation Improvement Program FY 2014-2017 to Add New Projects and Revise the Schedule of various existing AMATS Funded Projects. - **Motion Requested** Attachment 6B
  - C. **Resolution 2013-12** – Approving Amendment #3 to the Transportation Improvement Program FY 2014-2017 to Add Ghent Historic District Wayside, Waterloo Rd/Arlington St Intersection, IR 76/IR 77/IR 277/SR 8 Study, and IR 77/White Pond Dr, Revise the Funding of Akron Cleveland Rd, And Revise the Schedule of SR 619 Wooster Rd. - **Motion Requested** Attachment 6C
7. **Other Business**
8. **Adjournment**

Next Regular Meeting:  
Thursday, September 19, 2013 - 1:30 PM  
Stow Safety Building  
3800 Darrow Road, Stow, Ohio

**All mailout material is available on the AMATS Web Site at [www.amatsplanning.org](http://www.amatsplanning.org)**



**Akron Metropolitan Area Transportation Study  
Citizens Involvement Committee**

**Akron-Summit County Public Library - Main Library,  
Meeting Room 2AB  
60 South High Street, Akron, Ohio**

**Thursday, July 18, 2013  
7:00 p.m.**

**Agenda**

- 1. Call to Order**
- 2. Minutes**
  - **Thursday, May 9, 2013**
- 3. Staff Reports**
- 4. Staff Presentations**
  - **2010-2012 Traffic Crash Technical Memorandum**
- 5. Other Policy Committee Agenda Items**
- 6. Other Business**
- 7. Adjournment**

Next Regular Meeting:  
Thursday, September 19, 2013 - 7:00 PM  
Location – To Be Announced

**All mailout material is available on the AMATS Web Site at [www.amatsplanning.org](http://www.amatsplanning.org)**

## **SUMMARY - AGENDA ITEMS**

### **July 2013**

#### **Item 3D – Final Certification of the Urban Transportation Planning Process**

A presentation by Andy Johns of the FHWA regarding the federal government's certification of AMATS as the Greater Akron area's metropolitan planning organization. **This item is for informational purposes only. (Policy Committee only)**

#### **Attachment 5A – 2010-2012 Traffic Crash Technical Memorandum**

This memorandum identifies and ranks high-crash locations on all roadways in the Greater Akron area between 2010 and 2012. The Staff recommends **approval**.

#### **Item 5B – Ohio Research Initiative for Locals (ORIL) Presentation**

A presentation regarding ORIL, a new program to provide research support for local agencies to address problems specific to the local roadway system. **This item is for informational purposes only.**

#### **Attachment 6A – Resolution 2013-10**

A TIP amendment to add \$100,000 in Transportation Alternatives Program (TAP) funding for a sidewalk improvement project on state Route 44 (Main Street) in the Village of Mantua. The Staff recommends **approval**.

#### **Attachment 6B – Resolution 2013-11**

A TIP amendment to add new projects in the cities of Akron, Green and Ravenna and Ravenna Township, and to revise the schedule or funding of projects throughout Akron, Cuyahoga Falls, Coventry Township, Green, Hiram, Hudson, Kent, Ravenna, Springfield Township, Stow and Twinsburg. The Staff recommends **approval**.

#### **Attachment 6C – Resolution 2013-12**

A TIP amendment to add the Ghent Historic District Wayside in Bath Township, a new project in Coventry Township and Akron, and several new projects in Akron. The Staff recommends **approval**.

#### **Item 7A - NEOSCC Update**

A presentation by NEOSCC Director Hunter Morrison explaining the consortium's upcoming series of open house meetings addressing scenario planning for Northeast Ohio. **This item is for informational purposes only. (Policy Committee only)**

**Akron Metropolitan Area Transportation Study  
Policy Committee  
Thursday, May 16, 2013 – 1:30 p.m.**

**Minutes of Meeting**

**Recordings of AMATS committee meetings are available in the Podcast section of the agency web site at [www.amatsplanning.org/category/podcasts/](http://www.amatsplanning.org/category/podcasts/).**

**I. Call to Order**

**A. Chairwoman Connie Krauss** called the meeting to order in the South Room of the Martin Center. The attending members constituted a quorum.

**B. Audience Participation**

None

**II. Minutes – Motion Required**

**A. Approval of Minutes**

Members were asked to approve the minutes of the March 21, 2013 meeting.

**Motion**

**David Kline** made a motion to approve the minutes and it was seconded by **Frank Hairston**. The motion was approved by a voice vote.

**III. Staff Reports**

**A. Financial Progress Report**

**Curtis Baker** presented Attachment 3A.

**Motion**

**Bill Goncy** made a motion to approve the Financial Progress Report and it was seconded by **Ruth Carlson**. The motion was approved by a voice vote.

**B. Technical Progress Report**

**Mr. Baker** said that the April 20 Bike-N-Brainstorm in Kent was a success with 62 people participating despite inclement weather. **Mr. Baker** thanked PARTA for providing bus shelter during the snowfall that occurred during the event.

**Mr. Baker** announced that the FHWA recently certified AMATS as an MPO for another four years. **Mr. Baker** said that AMATS received a commendation from the federal officials for the agency's Connecting Communities Planning Grant Program.

**Mr. Baker** said that **Erin Siebel** of the Summit County Department of Community and Economic Development and the OPWC District 8 Liaison appeared before the TAC to explain application options and program changes for communities applying for OPWC SCIP, LTIP and Revolving Loan Program funding. The application deadline is June 28. **Mr. Baker** said that AMATS would support project applications to the commission. **Ms. Siebel** noted that OPWC District 8 hosted a May 14 application workshop and additional information is available online.

#### **C. AMATS Federal Funds Report**

**Victor Botosan** presented Attachment 3C and referred to tables concerning Funding Program and Balances dated May 6, 2013.

**Mr. Botosan** summarized developments concerning the new statewide CMAQ Program. **Mr. Botosan** said that the state's MPO directors will meet a final time with ODOT officials to clarify remaining issues before the statewide program is implemented.

**Mr. Botosan** said that the Staff will be developing an RFP and an RFQ over the summer to solicit vendors to compile PCR data for the AMATS area.

The Staff will also begin a review of the *AMATS Funding Policy Guidelines* in anticipation of the upcoming round of project funding applications in the fall.

#### **D. NEOSCC Status Report**

**Mr. Baker** said that the NEOSCC concluded its "business-as-usual" scenario workshop series throughout Northeast Ohio. The workshops attracted about 600 attendees. The consortium is processing the public comments that it received during the workshops as it develops its set of preferred scenarios for the region. The NEOSCC is expected to issue its final report in October. The consortium's next board meeting will be hosted by Portage County on May 28 at the Northeast Ohio Medical University (NEOMED).

### **IV. Old Business**

None



V. **New Business**

None

VI. **Resolutions – Approval Requested**

A. **Resolution 2013-04 – Connecting Communities Planning Grant Awards for FY 2013.**

Heather Davis-Reidl presented Attachment 6A.

**Motion**

*Rick Bissler made a motion to approve Resolution 2013-04 and it was seconded by Rich Enty. The motion was approved by a voice vote.*

B. **Resolution 2013-05 – Approving the Final Draft of the Transportation Improvement Program for Fiscal Years 2014-2017.**

Mr. Botosan presented Attachment 6B and attached Tables H-3 and T-2.

Mayor Beshara asked for a definition of the type of work described as “minor rehabilitation” for Project Map #75 - Brecksville Road as listed in Table H-3. Mayor Beshara asked if the term was the same as a “full-depth” resurfacing project. Steve Rebillot said that the project encompassed other resurfacings, but the portion located in the Village of Richfield of concern to the mayor, is scoped to do a full-depth treatment.

**Motion**

*David Kline made a motion to approve Resolution 2013-05 and it was seconded by Bill Goncy. The motion was approved by a voice vote.*

C. **Resolution 2013-06 – Adopting Transportation Outlook 2035, the Regional Transportation Plan.**

Krista Beniston presented Attachment 6C.

**Motion**

*Frank Hairston made a motion to approve Resolution 2013-06 and it was seconded by Bobbie Beshara. The motion was approved by a voice vote.*

D. **Resolution 2013-07 – Approving the FY 2014 Transportation Planning Work Program and Budget.**

Jeff Gardner presented Attachment 6D.

**Motion**

*Bill Goncy made a motion to approve Resolution 2013-07 and it was seconded by David Kline. The motion was approved by a voice vote.*

- E. **Resolution 2013-08 – Reaffirming the Approval of the Regional Transportation Plan and the Transportation Improvement Program, and Affirming the Consistency between the Regional Transportation Plan, the Transportation Improvement Program, and the State Implementation Plan.**

**Resolution 2013-09 – Certification of the Urban Transportation Planning Process.**

Mr. Gardner presented Attachment 6E.

**Motion**

*Frank Hairston made a motion to approve Resolution 2013-08 and it was seconded by James Weber. The motion was approved by a voice vote.*

**Motion**

*David Kline made a motion to approve Resolution 2013-09 and it was seconded by Bill Goncy. The motion was approved by a voice vote.*

**VII. Other Business**

None

**VIII. Adjournment**

The next regularly scheduled Policy Committee meeting will be at **1:30 p.m. on Wednesday, July 24, 2013** at the **Martin Center – South Room.**

**Motion**

*David Kline made a motion to adjourn the meeting and it was seconded by Ruth Carlson. The motion was approved by a voice vote.*

**AMATS POLICY COMMITTEE  
2013 ATTENDANCE**

	Jan 24	Mar 21	May 16	July 24	Sept 25	Dec 19
<b>M Denotes Member Present</b>						
<b>A Denotes Alternate Present</b>						
<b>AKRON</b> - Mayor Don Plusquellic (Weber)	A	A	A			
<b>AURORA</b> - Mayor James Fisher	M					
<b>BARBERTON</b> - Mayor William Judge, Jr. (Palmer) (Sheridan)		M	M			
<b>BOSTON HEIGHTS</b> - Mayor Bill Goncy (Polyak)	M		M			
<b>BRADY LAKE</b> - Mayor Hal Lehman (Carlson) (McGee)		A	A			
<b>CLINTON</b> - Mayor Al Knack	M	M				
<b>CUYAHOGA FALLS</b> - Mayor Don Robart (Truby)	M					
<b>DOYLESTOWN</b> - Mayor Terry Lindeman (Kerr)						
<b>FAIRLAWN</b> - Mayor William Roth (Spagnuolo) (Staten)	A	A				
<b>GARRETTSVILLE</b> - Mayor Rick Patrick (Klamer)						
<b>GREEN</b> - Mayor Dick Norton (Monteith) (Oberdorfer)	A		A			
<b>HIRAM</b> - Mayor Lou Bertrand (Wood)		M				
<b>HUDSON</b> - Mayor William Currin (Bales) (Richardson)		A				
<b>KENT</b> - Mr. David Ruller (Roberts) (Bowling)	A	A	A			
<b>LAKEMORE</b> - Mayor Rick Justice (Ms. Fast)	M					
<b>MACEDONIA</b> - Mayor Don Kuchta (Darwish)	A					
<b>MANTUA</b> - Mayor Linda Clark (Snopek)		M				
<b>METRO</b> - Ms. Sandra M. Foster (Enty) (Harris)		A	A			
<b>MOGADORE</b> - Mayor Michael Rick						
<b>MUNROE FALLS</b> - Mayor Frank Larson (DiCola)						
<b>NEW FRANKLIN</b> - Mayor Al Bollas (Stock)	M	M				
<b>NORTHFIELD</b> - Mayor Jesse Nehez (Greenlee)						
<b>NORTON</b> - Mayor Mike Zita (Ryland)						
<b>ODOT</b> - Mr. Anthony Urankar (Kinnick) (Sicker)	M	M				
<b>PARTA</b> - Mr. Rick Bissler (Drew) (Smith) (Wagener)	M	A	M			
<b>PENINSULA</b> - Mayor Douglas Mayer						
<b>PORTAGE COUNTY COMM. BOARD</b> - Ms. Maureen Frederick (Mallin)	A	A	A			
<b>PORTAGE COUNTY COMM. BOARD</b> - Ms. Tommie Marsilio (Skeriotis)	A					
<b>PORTAGE COUNTY COMM. BOARD</b> - Mr. Kathleen Chandler (Hairston)		A	A			
<b>PORTAGE COUNTY ENGINEER</b> - Mr. Michael Marozzi (Zumbo)(Miller)	M	A	M			
<b>RAVENNA</b> - Mayor Joseph Bica (Englehart) (Finney)	M	M	M			
<b>REMINDEVILLE</b> - Mayor Sam Alonso (Krock)						
<b>RICHFIELD</b> - Mayor Bobbie Beshara (Waszak) (Ciolkevich)		M	M			
<b>RITTMAN</b> - Mr. Larry Boggs						
<b>SILVERLAKE</b> - Mayor Bernie Hovey (Hull)						
<b>STOW</b> - Mayor Sara Drew (McCleary)						
<b>STREETSBORO</b> - Mayor Glenn Broska (Terrell)		M				
<b>SUGAR BUSH KNOLLS</b> - Mayor James Beal						
<b>SUMMIT COUNTY ENGINEER</b> - Mr. Alan Brubaker (Fulton) (Paradise)	A	A	A			
<b>SUMMIT COUNTY EXECUTIVE</b> - Mr. Russell Pry (Siebel)	A	A	A			
<b>SUMMIT COUNTY COMM. &amp; ECON. DEV.</b> - Ms. Connie Krauss	M		M			
<b>SUMMIT COUNTY COMM. &amp; ECON. DEV.</b> - Mr. Dennis Tubbs						
<b>TALLMADGE</b> - Mayor David Kline (Sauner)	M	M	M			
<b>TWINSBURG</b> - Mayor Katherine Procop (Mohr) (Finch)	A		A			
<b>WAYNE COUNTY COMM. BOARD</b> - Mr. Robert MacGregor (Toth)	M	M				
<b>WINDHAM</b> - Mayor Robert Donham						

**AMATS POLICY COMMITTEE  
2013 ATTENDANCE**

**OBSERVERS AND STAFF MEMBERS PRESENT**

<b><u>NAME</u></b>	<b><u>REPRESENTING</u></b>
Mr. Steve Rebillot	ODOT
Mr. Curtis Baker	AMATS
Ms. Krista Beniston	AMATS
Mr. Victor Botosan	AMATS
Mr. Nate Brugler	AMATS
Ms. Heather Davis-Reidl	AMATS
Mr. Jeff Gardner	AMATS
Mr. Kerry Prater	AMATS

**Akron Metropolitan Area Transportation Study  
Technical Advisory Committee  
Thursday, May 9, 2013 – 1:30 p.m.**

**Minutes of Meeting**

Recordings of AMATS committee meetings are available in the Podcast section of the agency web site at [www.amatsplanning.org/category/podcasts/](http://www.amatsplanning.org/category/podcasts/).

**I. Call to Order**

- A. Chairman Fred Guerra** called the meeting to order in the conference room of the Stow Safety Building. The attending members constituted a quorum.

**II. Minutes – Motion Required**

**A. Approval of Minutes**

Members were asked to approve the minutes of the March 14, 2013 meeting.

**Motion**

*John Trew made a motion to approve the minutes and it was seconded by David Gasper. The motion was approved by a voice vote.*

**III. Staff Reports**

**A. Financial Progress Report**

**Curtis Baker** presented Attachment 3A.

**Motion**

*Wayne Wiethe made a motion to approve the Financial Progress Report and it was seconded by **Tony Demasi**. The motion was approved by a voice vote.*

**B. Technical Progress Report**

**Mr. Baker** said that the Staff has been preparing for the agency's federal certification review process. **Mr. Baker** said that Andy Johns of the FHWA would explain the process later during the meeting.

**Mr. Baker** said that the April 20 Bike-N-Brainstorm in Kent was a success with 62 people participating. A second Bike-N-Brainstorm is being planned for Green. **Mr. Baker** said that a third event could be scheduled and interested communities should contact the Staff.

**C. AMATS Federal Funds Report**

**Victor Botosan** presented Attachment 3C and referred to tables concerning Funding Program and Balances dated May 6, 2013.

**Mr. Botosan** summarized developments concerning the new statewide CMAQ Program. **Mr. Botosan** said that the state's MPO directors will meet a final time with ODOT officials to clarify remaining issues before the statewide program is implemented.

**Mr. Botosan** said that the Staff will be developing an RFP and an RFQ over the summer to solicit vendors to compile PCR data for the AMATS area.

The Staff will also begin a review of the *AMATS Funding Policy Guidelines* in anticipation of the upcoming round of project funding applications in the fall.

**IV. Old Business**

**V. New Business**

**A. Presentation by FHWA-FTA Team regarding AMATS Certification Review Process.**

**Andy Johns** of the Columbus office of the FHWA explained the federal certification review process that MPOs such as AMATS must undergo. **Mr. Johns** said that the process involved a two-day on-site visit, which included a morning meeting with AMATS, ODOT and transit operators to discuss the Greater Akron area's transportation planning process and an evening public meeting at the Akron-Summit County Public Library. **Mr. Johns** said that no issues have been identified with regards to AMATS and its administration of the area's planning process and that he expects the agency to be certified as the area's MPO by the FHWA and FTA.

**B. Presentation regarding the Ohio Public Works Commission (OPWC) SCIP/LTIP Funding.**

**Erin Siebel** of the Summit County Department of Community and Economic Development and OPWC District 8 Liaison explained application options and program changes for communities applying for SCIP, LTIP and Revolving Loan Program funding from the OPWC. **Ms. Siebel** invited the committee members to a May 14 workshop presented by OPWC District 8. **Ms. Siebel** said that applications can be submitted electronically and directly to her via email at [esiebel@summitoh.net](mailto:esiebel@summitoh.net). The application deadline is June 28.

**Mr. Baker** asked whether the OPWC's Small Government Program was funded by a different source than the SCIP, LTIP and Revolving Loan Program. **Ms. Siebel** said yes and that the Small Government Program

provides about \$15 million per year and its funds are awarded on a statewide competitive basis usually for smaller-scale projects.

## **VI. Resolutions**

### **A. Resolution 2013-04 – Connecting Communities Planning Grant Awards for FY 2013.**

**Heather Davis-Reidl** presented Attachment 6A.

#### **Motion**

***Elwood Palmer** made a motion to approve Resolution 2013-04 and it was seconded by **Bryan Smith**. The motion was approved by a voice vote.*

### **B. Resolution 2013-05 – Approving the Final Draft of the Transportation Improvement Program for Fiscal Years 2014-2017.**

**Mr. Botosan** presented Attachment 6B and attached Tables H-3 and T-2.

**Tony Demasi** asked for a clarification regarding the total project cost of Project Map #50 – Howe Avenue. **Mr. Demasi** noted that the funding totals listed for the project’s right-of-way acquisition phase in FY 2015 didn’t match the project’s total cost. **Mr. Botosan** explained that the construction phase of the project fell outside of the four years of the TIP in order to meet financial constraint requirements.

#### **Motion**

***Tony Demasi** made a motion to approve Resolution 2013-05 and it was seconded by **David Gasper**. The motion was approved by a voice vote.*

### **C. Resolution 2013-06 – Adopting *Transportation Outlook 2035*, the Regional Transportation Plan.**

**Krista Beniston** presented Attachment 6C.

#### **Motion**

***Bryan Smith** made a motion to approve Resolution 2013-06 and it was seconded by **Kris Liljeblad**. The motion was approved by a voice vote.*

### **D. Resolution 2013-07 – Approving the FY 2014 Transportation Planning Work Program and Budget.**

**Jeff Gardner** presented Attachment 6D.

#### **Motion**

***Jim Bowling** made a motion to approve Resolution 2013-07 and it was seconded by **David Gasper**. The motion was approved by a voice vote.*

- E. Resolution 2013-08 – Reaffirming the Approval of the Regional Transportation Plan and the Transportation Improvement Program, and Affirming the Consistency between the Regional Transportation Plan, the Transportation Improvement Program, and the State Implementation Plan.**

**Resolution 2013-09 – Certification of the Urban Transportation Planning Process.**

Mr. Gardner presented Attachment 6E.

**Motion**

*John Trew made a motion to approve Resolution 2013-08 and it was seconded by John Kovacich. The motion was approved by a voice vote.*

**Motion**

*John Trew made a motion to approve Resolution 2013-09 and it was seconded by Jeff Olson. The motion was approved by a voice vote.*

**VII. Other Business**

**VIII. Adjournment**

The next TAC meeting is scheduled for **1:30 p.m.** on **Thursday, July 18, 2013** at the **Stow Safety Building**.

There being no other business, the meeting adjourned.



**AMATS TECHNICAL ADVISORY COMMITTEE  
2013 ATTENDANCE**

	Jan 17	Mar 14	May 9	July 18	Sept 19	Dec 12
<b>M Denotes Member Present</b>						
<b>A Denotes Alternate Present</b>						
<b>AKRON ENGINEERING BUREAU</b> - Mr. Michael J. Teodecki (DiFiore)	M	M	M			
<b>AKRON PLANNING DEPT.</b> - Mr. Mark Moore (Tomic) (Kirbawy)						
<b>AKRON TRAFFIC ENGINEERING</b> - Mr. Dave Gasper (DiFiore)	M		M			
<b>AURORA</b> - Mr. John E. Trew (Wehrenberg)	M	M	M			
<b>BARBERTON</b> - Mr. Elwood Palmer (Stefan) (Kelyka)		M	M			
<b>CUYAHOGA FALLS</b> - Mr. Fred Guerra (Sugar)	M	M	M			
<b>CUYAHOGA FALLS</b> - Mr. Tony V. Demasi (Marko)	M	M	M			
<b>DOYLESTOWN</b> - Eng. Assoc. - Mr. Ronny Portz						
<b>FAIRLAWN</b> - Mr. Nicholas Spagnuolo (Staten)						
<b>GREEN</b> - Mr. Wayne Wiethe (Lingenfelter)		M	M			
<b>GREEN</b> - Mr. Paul Pickett (Schemansky)	M	M	M			
<b>HUDSON</b> - Mr. Chris Papp (Sheridan)		M	M			
<b>HUDSON</b> - Mr. Mark Richardson (King)	M					
<b>KENT</b> - Mr. Eugene Roberts						
<b>KENT</b> - Mr. Jim Bowling (Giaquinto)	M	M	M			
<b>LAKEMORE</b> – Mayor Rick Justice (Quay) (Fast)						
<b>MACEDONIA</b> - Mr. Michael Hlad (Darwish)		M	A			
<b>METRO</b> - Mr. Kris Liljeblad (Bacon)		M*	M			
<b>MOGADORE</b> – Vacant						
<b>MUNROE FALLS</b> – Vacant						
<b>NEFCO</b> - Mr. Joe Hadley (Chinn-Levy)						
<b>NEW FRANKLIN</b> - Mr. Jeff Olson (Kepler)	M	M	M			
<b>NORTHFIELD</b> - Mr. Richard S. Wasosky	M	M				
<b>NORTON</b> - Mr. David White (Ryland)	M	M				
<b>ODOT</b> - Mr. Steve Rebillot (Kinnick)		M	M			
<b>PARTA</b> - Mr. John Drew (Smith) (Hairston)	A		A			
<b>PORTAGE COUNTY ENGINEER</b> - Mr. Michael Marozzi (Zumbo) (Miller)		A	A			
<b>PORTAGE CO. REG. PLANNING COMM.</b> - Mr. Todd Peetz (James)(McGee)	A		A			
<b>PORTAGE COUNTY SMALL VILLAGES</b> – Vacant						
<b>PORTAGE COUNTY TOWNSHIP ASSOC</b> - Mr. John Kovacich (Leet)	M	M	M			
<b>RAVENNA</b> - Mr. Bob Finney (Bowen)		M	M			
<b>RICHFIELD</b> - Mr. Brian Frantz (Baker)		M				
<b>RITTMAN</b> – Mr. Larry Boggs						
<b>SILVER LAKE</b> – Mr. John Tutak						
<b>STOW</b> - Mr. James McCleary (Kurtz) (Donovan)	M	A	M			
<b>STOW</b> - Vacant (Kurtz)						
<b>STREETSBORO</b> – Vacant (Terrell)						
<b>SUMMIT CO. COMM. &amp; ECON. DEV.</b> - Mr. Dennis Tubbs (Krauss)		M	M			
<b>SUMMIT COUNTY ENGINEER</b> - Mr. Alan Brubaker (Fulton) (Paradise)	A	A				
<b>SUMMIT COUNTY SMALL VILLAGES</b> - Mayor Bill Goncy						
<b>SUMMIT COUNTY TOWNSHIP ASSOC.</b> - Mr. Bruce Killian (Humphrys)	M	M	A			
<b>TALLMADGE</b> - Mr. Pat Sauner	M	M	M			
<b>TWINSBURG</b> - Mr. Dan Moczadlo (Mohr)						
<b>WINDHAM</b> - Mayor Robert Donham						

\* Richard Enty attended as METRO representative.

**AMATS TECHNICAL ADVISORY COMMITTEE  
2013 ATTENDANCE**

**M Denotes Member Present**  
**A Denotes Alternate Present**

**Jan    Mar    May    July    Sept    Dec**  
**17    14    9    18    19    12**

**NON-VOTING MEMBERS**

**AKRON CANTON AIRPORT** - Mr. Rick McQueen

**AKRON REG. AIR QUALITY MGT. DISTRICT** – Vacant

**AMATS** - Mr. Jason Segedy (Director) M    M

**CUYAHOGA VALLEY NATIONAL PARK** - Mr. Rob Bobel

**ENVIRONMENTAL COMMUNITY REP.** - Mr. Kurt Princic

**GREATER AKRON CHAMBER** - Mr. Gregg Cramer (West)

**METRO PARKS SERVING SUMMIT CNTY** – Mr. Mark Szeremet (Wilkerson) M    M    M

**OHIO TURNPIKE COMMISSION** – Mr. Doug Hedrick

**PORTAGE COUNTY PORT AUTHORITY** – Vacant

**PORTAGE PARK DISTRICT** - Ms. Chris Craycroft

**PRIVATE TRANSPORTATION PROVIDER (CYC)** – Ms. Deb Stolfo (Posten) M            M

**RAILROAD INDUSTRY REP.** - Mr. William A. Callison (Jaeger) (Chastek) A

**SUMMIT COUNTY PORT AUTHORITY** – Vacant

**TRUCKING INDUSTRY** – Vacant

**OBSERVERS AND STAFF MEMBERS PRESENT**

<b><u>NAME</u></b>	<b><u>REPRESENTING</u></b>
Ms. Michelle DiFiore	City of Akron
Mr. Terry Donovan	City of Stow
Ms. Juana Hostin	ODOT
Mr. Andy Johns	FHWA
Ms. Erin Siebel	Summit County DOD
Ms. Sara Walton	ODOT
Mr. Kevin Westbrooks	URS
Mr. Curtis Baker	AMATS
Ms. Krista Beniston	AMATS
Mr. Victor Botosan	AMATS
Mr. Jeff Gardner	AMATS
Ms. Heather Davis Reidl	AMATS
Mr. Kerry Prater	AMATS

**Akron Metropolitan Area Transportation Study  
Citizens Involvement Committee  
Thursday, May 9, 2013 – 7 p.m.**

**Minutes of Meeting**

**Recordings of AMATS committee meetings are available in the Podcast section of the agency web site at [www.amatsplanning.org/category/podcasts/](http://www.amatsplanning.org/category/podcasts/).**

**Attendees:**

Roger Bacon, Member  
Dustin J. Baker, Member  
Angelo L. Coletta, Member  
J. Gary Dillon  
William J. Maki, Member  
Michael Ondecker, Member  
Heidi Swindell, Member

**Staff:**

Curtis Baker, Planning Administrator  
Krista Beniston, Planning Coordinator  
Heather Davis Reidl, Mobility Planner

**I. Call to Order**

**Chairperson Ondecker** called the meeting to order. The attending members constituted a quorum.

**II. Minutes**

Members were asked to approve/disapprove the minutes of the March 14, 2013 meeting.

**Motion**

***Dustin J. Baker*** made a motion to approve the minutes and it was seconded by ***Roger Bacon***. *The motion was approved by a voice vote.*

**III. Technical Progress Report**

**Chairperson Ondecker** introduced METRO Senior Planner **Roger Bacon**.

**Mr. Bacon** described an upcoming demonstration door-to-door service that METRO will launch in Northern Summit County in the fall. **Mr. Bacon** invited the committee to the three public meetings on May 14-16 that METRO will host

regarding the service. **Mr. Bacon** said that the service area will be located north of Twinsburg Road and encompass the communities of Macedonia, Twinsburg, Northfield and Sagamore Hills. **Mr. Bacon** said that additional information will be available on the METRO web site at [akronmetro.org](http://akronmetro.org).

**Chairperson Ondecker** asked for a status report regarding the rail corridors owned by METRO. **Mr. Bacon** briefed the members regarding METRO's rail activities and upcoming improvement projects and freight service.

There was discussion regarding freight rail service in the Greater Akron area and related issues.

**Mr. C. Baker** presented the Technical Progress Report.

**Mr. C. Baker** said that the Staff has been working on several items, including preparing for the preceding Federal Certification Review Meeting and accompanying certification review.

The Staff has also been developing the area's Transportation Improvement Program (TIP) for Fiscal Years 2014 through 2017 and *Transportation Outlook 2035* and related documents.

AMATS hosted its first Bike-N-Brainstorm event in Kent on April 20. The event was attended by 62 people.

**Chairperson Ondecker** asked how development of the Portage Area Regional Transportation Authority's (PARTA) Kent Central Gateway was progressing. **Mr. C. Baker** said that the facility's parking deck opened recently and that parking is currently free. Transit service from the facility is expected to begin in the fall.

#### **IV. Staff Presentations**

**Mr. C. Baker** presented Attachment 6B – Resolution 2013-05 – Adopting the Transportation Improvement Program FY 2014-2017.

**Krista Beniston** presented Attachment 6C – Resolution 2013-06 – Adopting *Transportation Outlook 2035*.

#### **V. Other Policy Committee Agenda Items**

**Ms. Beniston** presented Attachment 6A – Resolution 2013-04 – Connecting Communities Planning Grant.

**Dustin J. Baker** asked what the dotted orange line represented on the Barberton *North-South Community Connection Plan* summary sheet. **Mr. C. Baker** said that the line represented a proposed trail through the area.

**Mr. C. Baker** noted that the city of Tallmadge and Brimfield Township submitted an application that was seriously considered by AMATS. **Chairperson Ondecker** praised those communities that submitted joint applications as they promoted the idea of connectivity. There was discussion regarding the Fiscal Year 2013 Connecting Communities Program Grant applications.

**Chairperson Ondecker** asked if Tallmadge and Brimfield could reapply in the future. **Mr. C. Baker** said yes and that AMATS actually encouraged high-scoring applicants that did not receive grants to do so.

**Chairperson Ondecker** opened the floor to discussion regarding Attachment 6D – Resolution 2013-07 and Attachment 6E – Resolution 2013-08 and Resolution 2013-09. **Mr. C. Baker** summarized the attachments.

**Motion**

*Angelo Coletta made a motion that the CIC recommend approval of: Attachment 6A – Resolution 2013-04; Attachment 6B – Resolution 2013-05; Attachment 6C – Resolution 2013-06; Attachment 6D – Resolution 2013-07; and Attachment 6E- Resolution 2013-08 and Resolution 2013-09 to the Policy Committee and it was seconded by **William Maki**. The motion was approved by a voice vote.*

**VI. Other Business**

**Mr. C. Baker** said that he had contact information for federal officials in case anyone wanted to comment regarding the Greater Akron area’s transportation planning process as part of the Federal Certification Review process.

**Mr. Coletta** invited those present to participate in the May 18 Cadillac Hill Climb Challenge.

**VII. Adjournment**

**Chairperson Ondecker** reminded the members that the next meeting of the CIC will be **Thursday, July 18** at the **Akron-Summit County Public Library – Main Library** located at **60 S. High Street** in Akron.

**Motion**

*Dustin J. Baker made a motion to adjourn the meeting and it was seconded by **Angelo Coletta**. The motion was approved by a voice vote.*

**AMATS CITIZENS INVOLVEMENT COMMITTEE  
2013 ATTENDANCE**

<b>M Denotes Member Present</b>	<b>Jan.</b>	<b>March</b>	<b>May</b>	<b>July</b>	<b>Sept.</b>	<b>Dec.</b>
<b>A Denotes Alternate Present</b>	<b>17</b>	<b>14</b>	<b>9</b>	<b>18</b>	<b>19</b>	<b>12</b>
<b>Member</b> (Representing)						
<b>Doug Anderson</b> (Peninsula)						
<b>Jerry Apple</b> (Fairlawn)						
<b>Roger Bacon</b> (METRO)			M			
<b>Dustin J. Baker</b>	M	M	M			
<b>Andy Bixenstine</b>						
<b>Tom Boley</b> (Norton)	M					
<b>Audrey Cielinski-Kessler</b> (Portage Commissioners)		M				
<b>Angelo L. Coletta</b>	M		M			
<b>John Conklin</b> (Norton)						
<b>Donald Dieterich</b> (Silver Lake)						
<b>Gary Endres</b> (Barberton)						
<b>Bill Goncy</b> (Boston Heights)						
<b>Michael D. Grimm</b> (Tallmadge)						
<b>Joel Helms</b>	M					
<b>Al Kalish</b> (Macedonia)		M				
<b>David Kish</b> (Summit Executive)	M					
<b>Tim Lassar</b> (PARTA)						
<b>Denise Longstreth</b> (Alternate – Summit Engineer)						
<b>Bill Maki</b>	M	M	M			
<b>D. H. Mangold</b>						
<b>Dan Marshall</b> (Doylestown)						
<b>Michael A. Ondecker</b>	M	M	M			
<b>Nicholas Skeriotis</b> (Portage Commissioners)						
<b>Aaron Snopek</b>	M	M				
<b>Dennis Stoffer</b> (Alternate – Norton)						
<b>Heidi Swindell</b> (Summit Engineer)				M		
<b>Roger Temple</b> (Boston Heights)						
<b>Richard Wasosky</b> (Northfield Village)						
<b>Marie Whaley</b> (Kent)						
<b>Fred Wise</b>	M					

**AKRON METROPOLITAN AREA TRANSPORTATION STUDY**

**M E M O R A N D U M**

**TO:** Policy Committee  
Technical Advisory Committee  
Citizens Involvement Committee

**FROM:** AMATS Staff

**RE:** AMATS Federal Funds Report

**DATE:** July 10, 2013

Review of Fiscal Years 2013

Nearly \$28 million in AMATS funds were encumbered for projects in FY 2013. This was the largest expenditure of funds for any one year in the history of AMATS. This year also marks one of the lowest in terms of projects delayed into the next fiscal year. Factors contributing to the success of this year include avoiding 4<sup>th</sup> quarter project sales, the diligence of the team at ODOT District 4 with the quarterly project review meetings as well as the efforts of the project sponsors. Our aim is to continue these efforts, improve where necessary, and to demonstrate the region's need and ability to fund and deliver transportation improvements.

New Statewide CMAQ Funding Program for Ohio MPOs

The CMAQ Program Subcommittee has met several times and has developed a working draft of the program's policies, procedures and project selection criteria for the new statewide program. The Subcommittee is informally discussing the draft policy with ODOT. It is expected that the new statewide CMAQ program will be in effect fully sometime this fall. A slate of new projects will be selected towards the beginning of next calendar year for implementation in fiscal year 2018 and beyond.

Regional Pavement Condition Rating (PCR) Program

The PCR Subcommittee met in June and began a discussion of the details of how a regional PCR data collection program will be implemented for our region. Some of the points of discussion included the scope or baseline of specifications for the collection of PCR data and how contract agreements will be set up between each community and Summit County, the fiscal agent for this effort. It is expected that the programs details and agreements will be completed sometime next year so that the PCR data collection can begin in calendar year 2015.

### Federal Functional Classification Update

The TAC TIP subcommittee will begin reviewing requests for changes to the FFC system that were submitted from various communities at their next meeting which will likely be in late July of early August. Once the subcommittee formulates recommendations, they will be presented to the TAC and Policy for approval, sent to ODOT for ratification, and then ultimately delivered to FHWA for final concurrence by the end of the year.

### Next Round of Project Funding

Another important task the TAC TIP subcommittee will begin tackling this summer is a review and update of the Funding Policy Guidelines. The most significant changes will be done to the Transportation Enhancement Program which has now been changed to the Transportation Alternatives Program, or TAP, because of MAP-21, the new transportation legislation. Other potential changes may need to be done with the CMAQ program depending on the outcome of the new statewide program. Please contact us with any concerns that need to be addressed with the Funding Policy. It is expected that the updated policy will be finalized sometime late summer or early fall. A new round of project funding will then begin with funding approvals in early calendar year 2014.



**AKRON METROPOLITAN AREA TRANSPORTATION STUDY**

**M E M O R A N D U M**

**TO: Policy Committee  
Technical Advisory Committee  
Citizens Involvement Committee**

**FROM: AMATS Staff**

**RE: Traffic Crashes 2010-2012 Technical Memorandum**

**DATE: July 10, 2012**

The attached Traffic Crashes technical memorandum was completed utilizing crash records provided by the Ohio Department of Public Safety and the Ohio Department of Transportation for the years 2010, 2011 and 2012. This annual technical memorandum analyses traffic crashes for roadway sections and intersections.

The minimum criteria used to identify high crash roadway sections and intersections is ten crashes or more and a crash rate of one or more within the three-year period being studied. This criterion was applied to all roads in the AMATS area including local roads. This is also the minimum criterion required for a project to be considered for funding under ODOT's Highway Safety Program.

This technical memorandum only includes the composite score table for the roadway section and intersection analysis. The composite score is derived from where the location ranks according to number of crashes, crash rate, and severity. Each of those specific tables is available upon request.

The Staff requests that the attached technical memorandum be approved by motion as documentation of work completed. Once this memorandum has been approved, local governments may use it as an initial step in the process of applying for Highway Safety Program funds through ODOT.

# TECHNICAL MEMORANDUM

## TRAFFIC CRASHES 2010-2012

July 2013

Akron Metropolitan Area Transportation Study  
806 CitiCenter Bldg./146 S. High St./Akron, Ohio 44308-1423  
Phone: (330) 375-2436  
FAX: (330) 375-2275

This report was prepared by the Akron Metropolitan Area Transportation Study (AMATS) in cooperation with the U.S. Department of Transportation, the Ohio Department of Transportation, and the Village, City and County governments of Portage and Summit Counties and Chippewa Township in Wayne County. The contents of this report reflect the views of AMATS, which is responsible for the facts and accuracy of the data presented herein. The contents do not necessarily reflect the official view and policies of the Ohio and/or U.S. Department of Transportation. This report does not constitute a standard, specification or regulation.

# Traffic Crashes

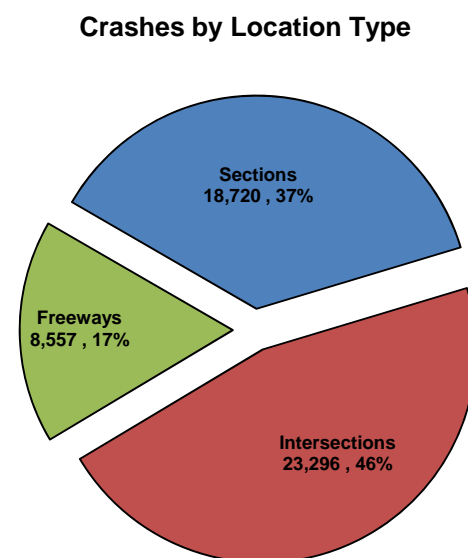
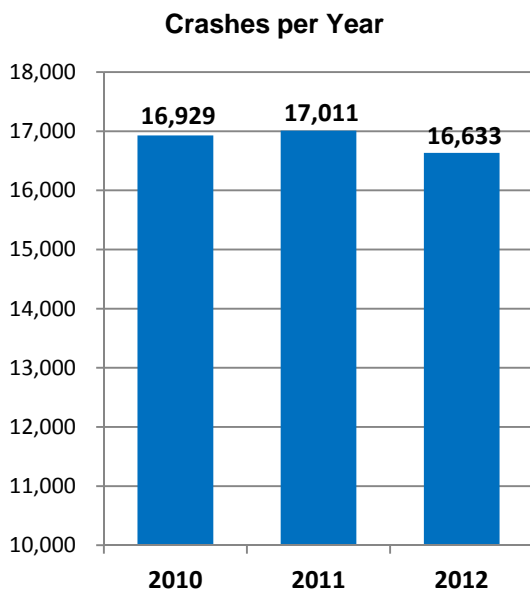
## 2010 - 2012

### Introduction

The purpose of this technical memorandum is to identify high crash locations on all roadways in the AMATS area between 2010 and 2012. In order to effectively plan roadway safety improvements effectively it is necessary to identify and study the locations with the highest overall rank with respect to number of crashes, crash rate, and severity. This ensures that the highest ranked locations receive the attention and funding needed in order to have the greatest impact on safety. Crash studies can also be used to monitor or analyze the safety effects of completed highway improvements or changes in traffic flow.

### Data Overview

Between the years of 2010 and 2012 AMATS received 54,287 records from the Ohio Department of Public Safety (ODPS) describing crashes in the study area. Out of those crash records, 2,827 animal related crashes and 887 construction zone crashes were removed. These crashes are not related to the characteristics of the highway and are not used in the highway safety evaluation process. The remaining 50,573 crashes were then separated into those that occur on roadway sections, intersections, and freeways. Between 2010 and 2012 there were 18,720 roadway section crashes, 23,296 intersection crashes, and 8,557 freeway related crashes.



## **Methodology**

The first step in producing a list of high crash roadway sections and intersections is identifying the locations that meet the minimum thresholds based on number of crashes and crash rate. The criteria for roadway sections is 10 or more crashes per mile per year and a crash rate of one or more crashes per million vehicle miles over a three-year period. For intersections, the criteria is 10 or more crashes in the three-year period and a crash rate equal to or greater than one crash per million approach vehicles.

Once this initial group of high crash locations is identified they are ranked according to number of crashes, crash rate and severity index. The crash rate takes into account the average daily traffic volume and is an additional way to evaluate a location other than just considering the number of crashes. For example, ten crashes per year at a location that averages 1,000 vehicles per day has a worse crash rate than ten crashes per year at a location that averages 30,000 vehicles per day. The severity index is a ratio of how many fatal and injury crashes happen compared to total crashes. This measure is useful when determining which locations should have priority in order to not only reduce crashes but to also reduce fatalities and injuries. The formulas for determining crash rate and severity index are given in the Appendix.

## **High Crash Sections**

AMATS has identified 123 roadway sections that have a minimum of 10 crashes per mile per year and a crash rate of one or more crashes per million vehicle miles over the three-year period. A section is defined as a length of roadway between two logical termini such as an intersection with another roadway. The length of a section is usually between 0.5 miles in an urban area to a maximum of 4.0 miles in a rural area. All roads in the AMATS area were considered, including those that are not federally classified. Table 1 lists the 123 high-crash roadway sections ranked by composite score. Map 1 shows the location of the top 50 high-crash sections.

## **High Crash Intersections**

AMATS has identified 262 intersections that have a minimum of 10 crashes and a crash rate of one or more over the three-year period. Most crashes that occur within a radius of 0.05 miles (260 feet) from the center of an intersection and involve at least two vehicles are considered an intersection related crash. All intersections in the AMATS area were considered, including those where one or both of the streets are not federally classified. Table 2 lists the 262 high-crash intersections ranked by composite score. Map 2 shows the location of the top 50 high-crash intersections.

## **High Crash Freeway Locations**

The analysis of freeway crashes in the AMATS area is done by the central office of the Ohio Department of Transportation (ODOT) in Columbus. They define a freeway as a limited access divided highway. This includes all state routes with interstate characteristics such as SR 8 and SR 21. ODOT's analysis of freeways is done using methodology from the recently released Highway Safety Manual. In the last analysis completed, for the years 2009-2011, there were 81 freeway locations that had a higher than predicted crash frequency in the AMATS area. However, ODOT only considers the top 100 locations statewide for further study. Only nine freeway locations in the AMATS area appeared in this top 100 list and four of those were on the Ohio Turnpike.

The 2010-2012 freeway analysis is still being finalized by ODOT. The freeway locations that are on the top 100 list will be posted on the AMATS website once their analysis is completed.

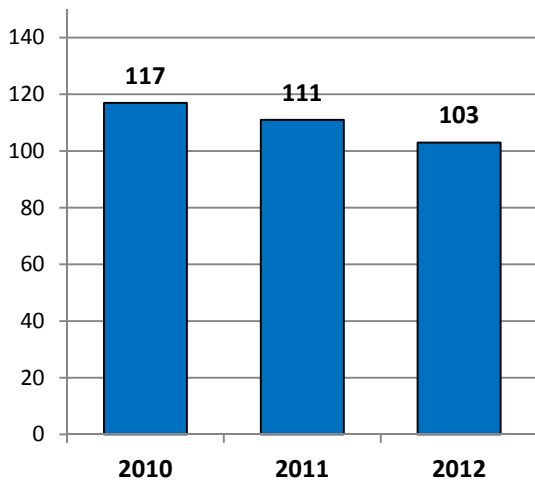
## Bicycle and Pedestrian Crashes

As biking and walking becomes a more popular and viable means of transportation, there is growing concern about the safety of bikers and pedestrians. Determining when and where these incidents occur can help plan for future bike lanes, sidewalks, and lighting.

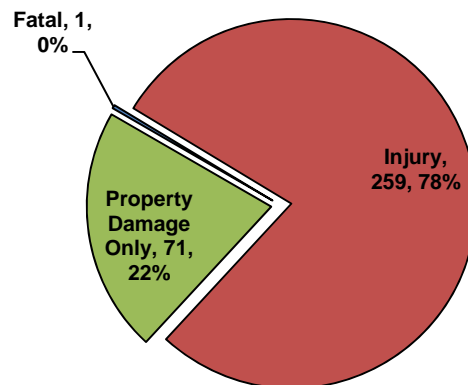
Bike and pedestrian related crashes also tend to have a higher percentage of injuries. Out of the 331 bicycle related crashes that occurred between 2010 and 2012, 259 or 78% of them resulted in an injury and one of them in a fatality. There were 481 pedestrian related crashes in this same time period with 418 or 86% of them resulting in an injury and 16 of them or 3% in a fatality. By comparison 25% of all vehicular crashes for the same three year period resulted in an injury and only 0.3% in a fatality.

It should be noted that some of the bicycle and pedestrian crashes involved young children. Out of the 331 bicycle crashes 68 or 21% of them involved children age 12 and under. Of the 481 pedestrian related crashes 59 or 12% of them involved children age 12 and under.

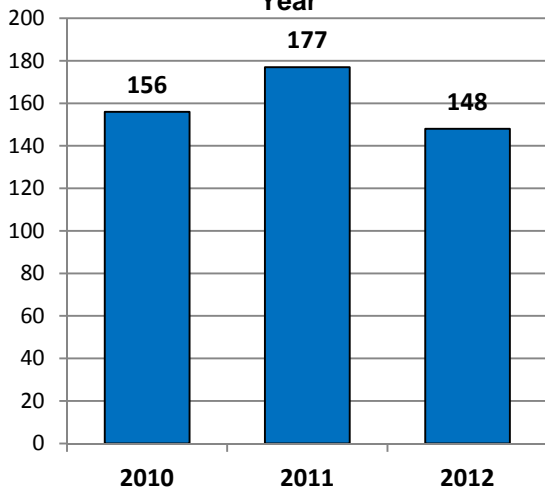
**Bicycle Related Crashes per Year**



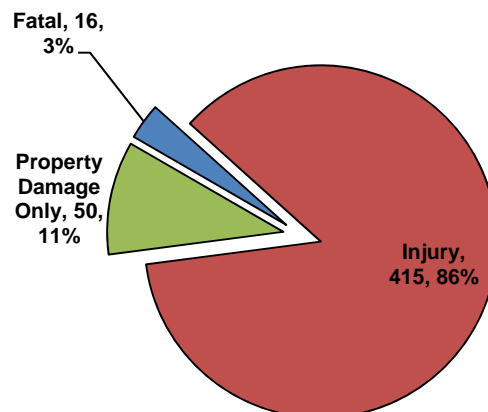
**Bicycle Related Crashes  
133 (Total)**



**Pedestrian Related Crashes per Year**



**Pedestrian Related Crashes  
481 (Total)**



## **Summary**

AMATS is committed to following a planning process that recognizes the importance of traffic safety. This is accomplished by incorporating the results of safety studies into the development of transportation recommendations for the Regional Transportation Plan and used as evaluation criteria for selecting projects for funding. The *Traffic Crashes 2010-2012* technical memorandum was developed to further this goal by identifying locations in need of possible safety improvements.

The trend in the annual number of crashes in the AMATS area is nearly level. Vehicle miles traveled have also stabilized since 2007 when economic conditions worsened. The total number of crashes (excluding animal and construction zone crashes) remained nearly the same in 2010 and 2011 and decreased slightly in 2012.

Many locations that have shown up in this report have received safety improvements that have been effective in reducing crashes. An increase in education and law enforcement campaigns, especially those aimed at younger drivers, have also contributed to safer roads. However, the challenge to reduce crashes is never over. The safety improvements done to our highways are often offset by new challenges such as distracted driving due to texting and using other electronic devices and the ongoing problem of driving under the influence of alcohol and drugs.

The locations identified in this technical memorandum meet the minimum criteria that ODOT has established to define a high-crash location. All of the roadway sections listed have 10 or more crashes per mile per year and a crash rate of one or more crashes per million vehicles miles traveled. All the intersections listed have 10 crashes over the three-year period and a crash rate of one or more. The locations listed in this memorandum may be used by a community as a first step in the process of applying for federal Highway Safety Program funding through ODOT.

# APPENDIX A – CRASH FORMULAS

## Roadway Sections

$$\text{Crashes Per Mile} = \frac{\text{(3 year crash total)}}{\text{(3 years)(section length)}} = \text{crashes per mile per year}$$

$$\text{Crash Rate} = \frac{\text{(3 year crash total) } 1,000,000}{\text{(3 years)(ADT)(365 days/year)(section length)}} \\ = \text{crashes per million vehicle miles traveled}$$

## Intersections

$$\text{Crash Rate} = \frac{\text{(3 year crash total) } 1,000,000}{\text{(3 years)(intersection approach volume/day)(365 days/year)}} \\ = \text{crashes per million approach vehicles}$$

## Roadway Sections and Intersections

$$\text{Severity Index} = \frac{12 \text{ (fatal crashes)} + 3 \text{ (injury crashes)} + 1 \text{ (property damage crashes)}}{\text{(total crashes)}}$$

Table 1  
**HIGH CRASH ROADWAY SECTIONS**  
 RANKED BY COMPOSITE SCORE  
 2010-2012

Rank	Roadway Section	From	To	Length (miles)	Average Daily Traffic	Total Crashes	Crash Rate	Severity Index	Composite Score	Location
1	Martin Luther King Jr Blvd (SR 59)	W Market St (SR 18) overpass	N Broadway St	0.35	18,385	41	5.8	2.8	8.7	Akron
2	W Exchange St	Rhodes Ave	Dart Ave	0.53	8,770	52	10.2	1.7	17.3	Akron
3	S Water St	Haymaker Pkwy (SR 59)	E Main St	0.17	5,260	12	12.3	1.7	18.9	Kent
4	Manchester Rd (SR 93)	Carnegie Ave	Waterloo Rd	0.44	22,410	56	5.2	1.6	19.7	Akron
5	E Main St (SR 59)	Horning Rd	Kent East Corp Line	0.50	17,350	37	3.9	1.9	20.4	Kent
6	Brittain Rd	E Tallmadge Ave (SR 261)	Independence Ave	0.61	13,985	38	4.1	1.8	24.8	Akron
6	E Main St	Water St	Willow St	0.27	9,070	29	10.8	1.5	24.8	Kent
8	Canton Rd (SR 91)	Akron South Corp Line	Triplett Blvd	0.33	21,270	30	3.9	1.7	25.2	Akron
9	Broad Blvd	Second St	Newberry St	0.29	16,170	67	13.0	1.4	26.3	Cuyahoga Falls
10	Howe Ave	Cuyahoga Falls Corp Line	Main St	0.23	36,670	78	8.4	1.4	27.7	Cuyahoga Falls
10	SR 59	Alpha Dr	SR 261	0.41	17,350	31	4.0	1.6	27.7	Por Co-Franklin Twp
12	Wooster Rd N (SR 619 part)	State St	Barberton Corp Line	0.77	19,695	54	3.3	1.8	28.9	Barberton
13	Medina Rd (SR 18)	I-77	Cleveland-Massillon Rd (CR 17)	0.70	30,650	115	4.9	1.5	29.1	Sum Co-Copley Twp
14	Howe Ave	Main St	Buchholzer Blvd	0.69	24,445	79	4.3	1.5	31.6	Cuyahoga Falls
15	Arlington Rd	Turkeyfoot Lake Rd (SR 619)	Green North Corp Line	0.95	22,440	136	5.8	1.4	32.5	Green
16	E Main St (SR 59)	Willow St	Luther Av	0.42	21,790	64	6.4	1.4	32.9	Kent
17	Graham Rd	Hudson Dr	Silver Lake West Corp Line	0.44	28,680	68	4.9	1.4	33.4	Stow
18	Manchester Rd (SR 93)	State St (CR162)	Robinson Ave (CR 54)	0.89	14,757	57	4.0	1.6	34.3	Sum Co-Coventry Twp
18	Darrow Rd (SR 91)	E Highland Rd	Aurora Rd (SR 82)	0.95	25,305	97	3.7	1.5	34.3	Twinsburg
20	N Main St (SR 91)	Streetsboro St (SR 303)	Aurora St	0.15	17,590	16	5.5	1.5	27.6	Hudson
21	Wooster Rd N	Wooster Rd W	Hopocan Ave	0.41	9,145	22	5.4	1.6	37.7	Barberton
21	SR 59	SR 261	Brady Lake Rd (CR 162)	2.55	17,100	146	3.1	1.8	37.7	Por Co-Ravenna Twp
23	Massillon Rd (SR 241)	Boettler Rd	Turkeyfoot Lake Rd (SR 619)	1.01	22,380	150	6.1	1.3	38.1	Green
24	Manchester Rd (SR 93)	Robinson Ave	Carnegie Ave	1.04	21,315	68	2.8	1.7	39.1	Akron
25	N Main St (SR 91)	Munroe Falls Ave	N River Rd	0.39	18,370	30	3.8	1.5	39.2	Munroe Falls
26	W Exchange St (SR 261 part)	Dart Ave	S Main st	0.55	10,317	27	4.3	1.7	40.6	Akron
27	E Tallmadge Ave (SR 261)	N Main St	Gorge Blvd	0.57	16,040	36	3.6	1.6	41.9	Akron
28	SR 14/44	SR 59	SR 5 (end SR 14 overlap)	0.39	18,660	24	3.0	1.7	42.0	Por Co-Ravenna Twp
29	E Waterloo Rd	Brown St	S Arlington St	1.00	17,450	52	2.7	2.0	43.9	Akron
30	Copley Rd (SR 162)	St Micheals	S Hawkins Ave	0.49	13,520	27	3.7	1.6	44.3	Akron
31	SR 14	SR 303 (East Intersection)	Diagonal Rd	2.01	21,130	136	2.9	1.6	44.4	Streetsboro
32	S Arlington St	E Waterloo Rd	E Wilbeth Rd (SR 764)	0.70	14,750	41	3.6	1.6	45.0	Akron
33	SR 44	Tallmadge Rd (CR 18)	I-76	0.63	14,780	34	3.3	1.6	45.6	Por Co-Rootstown Twp
34	W Market St (SR 18)	Ghent Rd	Miller Rd	0.30	27,380	24	2.7	1.5	47.8	Fairlawn
35	SR 59	Brady Lake Rd (CR 162)	Ravenna West Corp Line	0.45	12,710	23	3.7	1.6	48.2	Por Co-Ravenna Twp
36	Portage Trail	Second St	Newberry St/Munroe Falls Ave	0.29	18,960	22	3.7	1.4	48.9	Cuyahoga Falls
37	State Rd	Portage Trail	Graham Rd	0.27	24,910	17	2.3	1.7	49.2	Cuyahoga Falls
38	E Aurora Rd (SR 82)	SR 8	N Bedford Rd	0.72	24,920	51	2.6	1.5	49.7	Macedonia
39	N High St (SR 261)	E Market St (SR 18)	M.L. King Blvd (SR 59)	0.16	6,210	10	9.2	1.0	51.4	Akron
40	S Water St (SR 43)	SR 261	Cherry St	0.48	14,400	29	3.8	1.4	52.3	Kent
41	Wooster Rd N	Norton Ave	State St	0.50	13,360	21	2.9	1.9	52.4	Barberton
42	E Steels Corners Rd	Stow West Corp Line	Hudson Dr	0.85	21,840	55	2.7	1.5	52.5	Stow
43	Wooster Rd W	31st St	14th St NW	1.01	13,000	57	4.0	1.4	52.6	Barberton
44	W Market St (SR 18)	Cleveland-Massillon Rd	Smith Rd	0.57	21,800	43	3.2	1.4	53.0	Fairlawn
45	Canton Rd (SR 91)	Waterloo Rd (US224)	Akron South Corp Line	0.72	19,565	37	2.4	1.8	53.2	Sum Co-Springfield Twp
46	E Main St (SR 59)	Freedom St (SR 88)	SR 14/SR 44	0.75	12,000	36	3.7	1.6	53.8	Ravenna
46	Graham Rd	Fishcreek Rd	Stow East Corp Line	0.66	14,230	38	3.7	1.4	53.8	Stow
48	Darrow Rd (SR 91)	Kent Rd (SR 59)	Stow Rd	0.63	21,770	38	2.5	1.6	53.9	Stow
49	River St (SR 43)	Haymaker Pkwy (SR 59)	W Main St	0.21	4,250	10	10.2	1.4	54.2	Kent
50	E Waterloo Rd	S Main St	Brown St	0.87	14,820	38	2.7	1.8	54.4	Akron
51	W Streetsboro St (SR 303)	Boston Mills Rd	Main St (SR 91)	0.54	16,630	33	3.4	1.4	55.1	Hudson
52	M.L. King Blvd/Perkins St (SR 59)	N Broadway St	N Adolph Ave	0.61	17,480	31	2.7	1.7	55.1	Akron

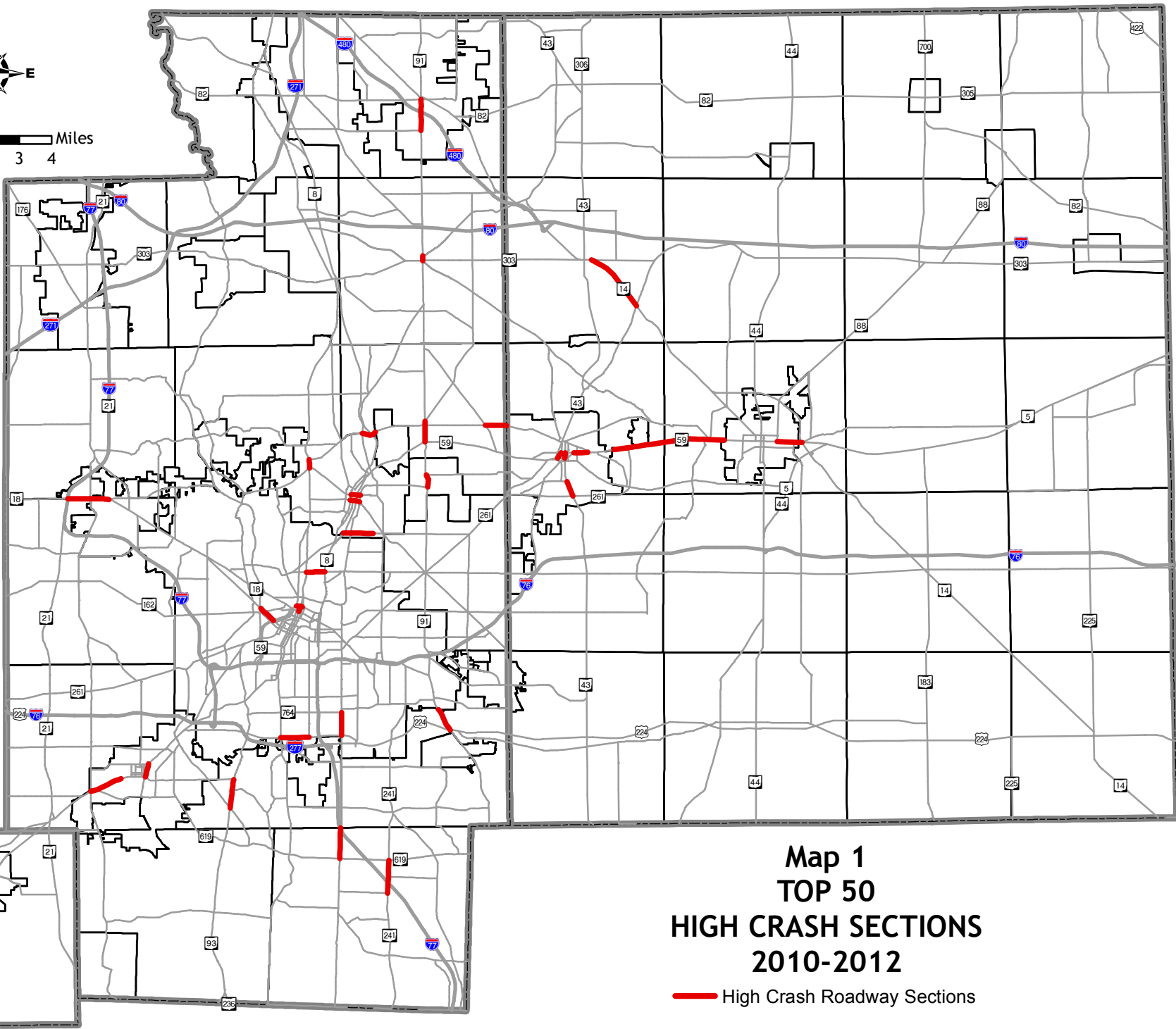
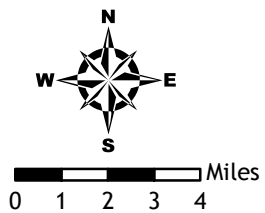


Table 1  
**HIGH CRASH ROADWAY SECTIONS**  
 RANKED BY COMPOSITE SCORE  
 2010-2012

Rank	Roadway Section	From	To	Length (miles)	Average Daily Traffic	Total Crashes	Crash Rate	Severity Index	Composite Score	Location
53	Merriman Rd/Riverview Rd	N Portage Path	Smith Rd	0.99	15,210	46	2.8	1.7	55.6	Akron
54	Market Square Dr	SR 303	SR 43	0.72	7,670	36	6.0	1.4	55.8	Streetsboro
55	Kent Rd (SR 59)	Fishcreek Rd	Stow East Corp Line	0.35	18,930	17	2.3	1.8	56.7	Stow
56	N Portage Path	Merriman Rd	Portage Trail	0.28	18,620	16	2.8	1.5	57.0	Akron
57	Canton Rd (CR 66)	Sanitarium Rd (CR136)	Waterloo Rd (US224)	1.02	20,435	52	2.3	1.8	57.0	Sum Co-Springfield Twp
58	S Main St	S Broadway St	Bartges St	0.96	12,507	38	2.9	1.8	57.5	Akron
59	Diagonal Rd	Frederick Blvd	S Hawkins Ave	0.16	6,760	5	4.2	1.8	57.8	Akron
60	Medina Rd (SR 18)	S Hametown Rd (CR253)	I-77	0.89	27,030	62	2.4	1.5	58.1	Sum Co-Copley Twp
61	Darrow Rd / S Main St (SR 91)	Hudson Dr	Streetsboro St (SR 303)	1.22	20,575	79	2.9	1.4	60.8	Hudson
62	W Main St (SR 59)	Spaulding Dr	Longmere Dr	0.50	20,460	36	3.2	1.3	58.6	Kent
63	E Buchtel Ave	Fountain St	E Market St (SR 18)	0.41	6,590	15	5.1	1.5	58.8	Akron
64	S High St (SR 261)	E Exchange St	E Market St (SR 18)	0.66	8,313	34	5.7	1.3	59.4	Akron
65	31st St NW	Wooster Rd W	Barberton Corp Line	0.70	14,380	29	2.6	1.8	59.6	Barberton
66	SR 43	Tallmadge Rd (CR 18)	I-76	0.52	10,870	19	3.1	1.7	59.8	Por Co-Brimfield Twp
67	E Cuyahoga Falls Ave	Front St	Akron Corp Line	0.42	12,980	16	2.7	1.9	59.8	Akron
68	SR 261	Summit Rd (CR 148)	SR 59	1.21	9,850	42	3.2	1.8	60.5	Por Co-Franklin Twp
69	Franklin Ave	W Summit St	E Main St	0.27	4,940	12	8.2	1.3	61.4	Kent
70	E Market St (SR 18)	Seiberling St	Mogadore Rd	0.82	9,210	28	3.4	1.7	62.3	Akron
71	SR 14	I-480 ramp to Turnpike	SR 303 (West Intersection)	1.62	32,730	87	1.5	1.7	64.3	Streetsboro
72	S Main St	Bartges St	Exchange St	0.54	5,060	25	8.4	1.2	64.4	Akron
73	S Maple St	Glendale Ave	W Market St (SR 18)	0.27	6,070	11	6.1	1.4	64.5	Akron
74	W&E Main St (SR 59)	Sycamore St	Prospect St	0.26	15,890	16	3.5	1.1	64.8	Ravenna
75	SR 5/44	I-76	Prospect St	0.44	22,690	20	1.8	1.8	66.4	Por Co-Rootstown Twp
76	W Main St (SR 59)	Kent West Corp Line	Spaulding Dr	0.28	20,455	17	2.7	1.4	67.5	Kent
77	W&E Main St	Mantua St	Water St	0.23	10,515	10	3.8	1.4	68.3	Kent
78	5th St SE (SR 619)	Barberton Corp Line	Robinson Ave	0.81	9,120	29	3.6	1.5	71.1	Barberton
79	W Cedar St	Dart Ave	Locust St	0.28	10,250	9	2.9	1.7	72.2	Akron
80	Wooster Rd W	14th St NW	Wooster Rd N	0.76	11,778	30	3.1	1.5	72.3	Barberton
81	SR 43	SR 303	Frost Rd	1.51	20,140	63	1.9	1.7	72.6	Streetsboro
82	W Market St (SR 18)	Merriman Rd	Maple St	0.72	20,033	31	2.0	1.6	72.9	Akron
83	W Market St (SR 18)	Portage Path	Merriman Rd	0.59	14,960	28	2.9	1.4	75.0	Akron
84	Hill St/E Buchtel Ave	University Ave	S Union St	0.33	9,963	11	3.1	1.5	75.5	Akron
85	S Arlington St (SR 764 part)	E Wilbeth Rd (SR 764)	E Archwood Ave	0.49	17,153	26	2.8	1.2	75.6	Akron
86	SR 43	Kent North Corp Line	Streetsboro South Corp Line	2.40	15,320	84	2.1	1.7	76.0	Por Co-Franklin Twp
87	E Cuyahoga Falls Ave	N Main St	Front St	0.99	13,453	37	2.5	1.5	76.7	Akron
88	W Main St (SR 59)	Diamond St	Sycamore St	0.37	14,690	17	2.9	1.4	77.7	Ravenna
89	W Market St (SR 18)	Sand Run Rd	Hawkins Ave	1.12	23,797	57	2.0	1.5	78.4	Akron
90	Kent Rd (SR 59)	Darrow Rd (SR 91)	Fishcreek Rd	2.22	17,510	87	2.0	1.6	79.1	Stow
91	SR 14	I-76	SR 183	0.78	12,860	27	2.5	1.6	79.9	Por Co-Edinburg Twp
92	Graham Rd	Oakwood Dr/Wyoga Lake Rd	Hudson Dr	0.71	23,930	28	1.5	1.6	80.5	Stow
93	Arlington Rd (CR 15)	Green North Corp Line	Killian Rd (CR135)	0.62	18,640	32	2.5	1.3	80.9	Sum Co-Springfield Twp
94	SR 14/44	Ravenna NE Corp Line	SR 59	1.00	16,240	32	1.8	1.8	81.3	Por Co-Ravenna Twp
95	E Market St (SR 18)	E Buchtel Ave	E Exchange St	0.53	10,000	18	3.1	1.4	81.6	Akron
96	S Mantua St (SR 43)	Haymaker Pkwy (SR 59)	W Main St	0.19	6,320	6	4.6	1.3	81.9	Kent
97	W Market St (SR 18)	Miller Rd	Fairlawn East Corp Line	0.68	21,960	30	1.8	1.5	83.7	Fairlawn
98	Kent Rd (SR 59)	Stow West Corp Line	Darrow Rd (SR 91)	0.57	15,360	23	2.4	1.4	84.4	Stow
99	E Exchange St	Brown St/S Union St	E Market St (SR 18)	1.09	14,225	34	2.0	1.7	84.9	Akron
100	E Tallmadge Ave (SR 261)	Gorge Blvd	Home Ave	0.59	16,870	21	1.9	1.6	85.4	Akron
101	E Aurora Rd (SR 82)	Olde Eight Rd	SR 8	0.82	19,430	40	2.3	1.3	85.7	Macedonia
102	W Tallmadge Ave/West Ave (SR 261)	Brittain Rd	Tallmadge Circle	1.26	14,917	53	2.6	1.3	85.9	Tallmadge
103	E Aurora Rd (SR 82)	N Bedford Rd	Macedonia East Corp Line	1.71	13,360	61	2.4	1.5	86.8	Macedonia
104	Sumner St	Voris St	E Exchange St	0.66	4,500	20	6.1	1.0	87.7	Akron

Table 1  
**HIGH CRASH ROADWAY SECTIONS**  
 RANKED BY COMPOSITE SCORE  
 2010-2012

Rank	Roadway Section	From	To	Length (miles)	Average Daily Traffic	Total Crashes	Crash Rate	Severity Index	Composite Score	Location
105	Brown St	E Wilbeth Rd (SR 764)	E Archwood Ave	0.47	7,160	15	4.1	1.1	88.1	Akron
106	S Main St	Exchange St	Bowery St	0.35	7,060	11	4.1	1.2	88.3	Akron
107	N Mantua St (SR 43)	Gougler Ave	Kent North Corp Line	1.02	19,630	36	1.6	1.5	91.2	Kent
108	Main St (SR 303)	Riverview Rd	Locust St/Akron-Peninsula Rd	0.36	8,830	12	3.4	1.2	91.4	Peninsula
109	S Water St (SR 43)	Cherry St	Haymaker Pkwy (SR 59)	0.72	15,820	30	2.4	1.2	92.8	Kent
110	Vernon Odom Blvd (SR 261)	Romig Rd	S Hawkins Ave	0.77	14,685	26	2.1	1.5	93.4	Akron
111	Darrow Rd (SR 91)	Stow South Corp Line	Kent Rd (SR 59)	0.50	15,470	16	1.9	1.5	94.2	Stow
112	E Exchange St	S Broadway St (SR 261)	Brown St/S Union St	0.59	23,020	19	1.3	1.5	96.4	Akron
113	South St	Wolf Ledges Pkwy/Bellows St	Brown St	0.49	7,670	15	3.6	1.0	96.6	Akron
114	S Cleveland-Massillon Rd	Barberton North Corp Line	Greenwich Rd/Norton Ave	0.68	15,585	26	2.2	1.3	96.6	Norton
115	E Market St (SR 18)	Mogadore Rd	Canton Rd (SR 91)	0.95	12,435	29	2.2	1.5	96.7	Akron
116	Smith Rd	Ghent Rd	Owasso Ave	0.53	12,570	16	2.2	1.5	96.8	Akron
117	SR 261	SR 43	Kent East Corp Line	0.64	13,630	23	2.4	1.0	99.8	Kent
118	Wooster Rd W	Johnson Rd	31st St	0.29	13,240	9	2.1	1.4	100.7	Barberton
119	S Miller Rd	Ridgewood Rd	W Market St (SR 18)	0.98	23,120	34	1.4	1.4	101.4	Akron
120	E Summit St	S Lincoln St	Loop Rd	1.03	12,525	32	2.3	1.3	107.2	Kent
121	E Tallmadge Ave (SR 261)	Home Ave	Brittain Rd	1.16	17,260	35	1.6	1.5	107.4	Akron
122	W Market St (SR 18)	Hawkins Ave	Twin Oaks Rd	0.82	16,000	25	1.7	1.3	113.9	Akron
123	Copley Rd (SR 162)	S Hawkins Ave	Storer Ave	0.69	15,555	21	1.8	1.3	115.8	Akron



**Map 1  
TOP 50  
HIGH CRASH SECTIONS  
2010-2012**

 High Crash Roadway Sections

**Table 2**  
**HIGH CRASH INTERSECTIONS**  
**RANKED BY COMPOSITE SCORE**  
**2010-2012**

Rank	Street	Intersecting Street	Approach Ave. Daily Traffic	Total Crashes	Crash Rate	Severity Index	Composite Score	Location
1	Martin Luther King Jr Blvd (SR 59)	N Howard St/Main St	18,625	70	3.43	1.66	28.2	Akron
2	E Market St (SR 18)	Mogadore Rd/I-76 EB Exit Ramp	18,115	54	2.72	1.70	30.2	Akron
3	S Arlington St	E Waterloo Rd	27,400	59	1.97	1.75	31.1	Akron
4	Darrow Rd (SR 91)	Graham Rd	44,425	106	2.18	1.58	36.3	Stow
5	N Main St (SR 261)	E Tallmadge Ave (SR 261)	27,865	55	1.80	1.73	38.4	Akron
6	SR 14/303	SR 43	53,980	127	2.15	1.54	42.5	Streetsboro
7	SR 261	Franklin Ave/Sunnybrook Rd	11,705	29	2.26	2.03	44.1	Kent
8	Bailey Rd/Brittain Rd	Howe Ave/Northwest Ave/Tallmadge Rd	30,860	95	2.81	1.48	45.1	Cuyahoga Falls
9	S Broadway St (SR 261)	E Exchange St	21,200	50	2.15	1.56	50.1	Akron
10	S Maple St (SR 162)	W Cedar St	18,590	37	1.82	1.70	52.1	Akron
11	N Howard St	North St	17,750	35	1.80	1.74	54.5	Akron
12	Manchester Rd (SR 93)	W Waterloo Rd	29,010	56	1.76	1.54	55.8	Akron
13	SR 43	Frost Rd	25,785	50	1.77	1.56	57.3	Streetsboro
14	W Cedar St	Dart Ave	12,880	50	3.55	1.44	57.9	Akron
15	S Main St (CR 50)	Waterloo Rd	27,955	47	1.54	1.68	58.9	Akron
16	S Canton Rd (SR 91)	Mogadore Rd	23,065	37	1.46	1.86	60.2	Akron
17	5th St (SR 619)	E Robinson Ave	20,655	38	1.68	1.63	62.3	Barberton
18	W Exchange St	Dart Ave	14,840	29	1.78	1.76	62.4	Akron
19	E Tallmadge Ave (SR 261)	Home Ave	27,675	52	1.72	1.50	62.8	Akron
20	W Portage Trail	2nd St	28,250	50	1.62	1.56	63.3	Cuyahoga Falls
21	E Tallmadge Ave (SR 261)	Brittain Rd	27,625	43	1.42	1.74	63.9	Akron
22	Broad Blvd/Tallmadge Dr	Newberry St	23,125	57	2.25	1.39	65.5	Cuyahoga Falls
23	Howe Ave	Main St	43,555	86	1.80	1.40	66.8	Cuyahoga Falls
24	W Portage Trail	State Rd	35,515	59	1.52	1.51	67.4	Cuyahoga Falls
25	Tallmadge Circle		43,710	284	5.93	1.28	67.6	Tallmadge
26	S Broadway St	E South St	13,900	32	2.10	1.56	69.0	Akron
27	E Waterloo Rd (US 224)	Geroge Washington Blvd (SR 241)	36,460	71	1.78	1.39	69.4	Akron
28	Aurora Rd (SR 82)	Shepard Rd	17,725	34	1.75	1.59	69.7	Macedonia
29	Fishcreek Rd	Graham Rd	30,545	67	2.00	1.36	71.0	Stow
30	Medina Rd (SR 18)	Heritage Woods Dr (TR 3075)	31,521	57	1.65	1.42	72.4	Sum Co-Copley Twp
31	Merriman Rd	N Portage Path	27,585	51	1.69	1.43	73.4	Akron
32	W Exchange St (SR 261)	Locust St (SR 261)	12,505	53	3.87	1.30	75.3	Akron
33	E Main St (SR 59)	Lincoln	21,380	35	1.50	1.63	76.4	Kent
34	Graham Rd	State Rd	26,160	46	1.61	1.48	77.3	Cuyahoga Falls
35	Brittain Rd	Eastland Ave/Eastwood Ave	23,700	42	1.62	1.48	77.3	Akron
36	S Maple St (SR 162)	W Exchange St	16,715	29	1.58	1.69	77.7	Akron
37	SR 303	SR 700	6,035	17	2.57	2.47	78.1	Por Co-Freedom Twp
38	Newton Falls Rd (CR 177)	Woodbine Rd (TR 564)	2,791	17	5.56	1.94	78.7	Por Co-Ravenna Twp
39	S Water St (SR 43)	SR 261	30,635	70	2.09	1.29	79.2	Kent
40	Cleveland Massillon Rd	Greenwich/Norton Ave	24,110	42	1.59	1.48	79.7	Norton
41	E Summit St	S Lincoln St	14,275	51	3.26	1.27	80.6	Kent
42	SR 8	Aurora Rd (SR 82)	35,805	62	1.58	1.39	81.0	Macedonia
43	State Rd	Steels Corners Rd	22,185	37	1.52	1.54	81.2	Cuyahoga Falls
44	Medina Rd (SR 18)	Crystal Lake Rd/Montrose West Ave	49,800	75	1.38	1.45	81.9	Sum Co-Bath Twp/Copley Twp
45	S Main St	Thornton St	18,615	30	1.47	1.67	82.0	Akron
46	Brown St	E Waterloo Rd	24,400	41	1.53	1.49	82.1	Akron
47	S Rhodes Ave	W Thornton St	9,740	24	2.25	1.58	83.2	Akron
48	Graham Rd	Hudson Dr	34,065	71	1.90	1.25	83.5	Cuyahoga Falls/Stow
49	Howe Ave	Buchholzer Blvd	26,470	55	1.90	1.29	85.8	Cuyahoga Falls

**Table 2**  
**HIGH CRASH INTERSECTIONS**  
**RANKED BY COMPOSITE SCORE**  
**2010-2012**

Rank	Street	Intersecting Street	Approach Ave. Daily Traffic	Total Crashes	Crash Rate	Severity Index	Composite Score	Location
50	Prospect St (CR 74)	Summit St (CR 148)	14,275	24	1.54	1.75	86.8	Por Co-Ravenna Twp
51	SR 14	Mondial Pkwy/Singletary Rd	32,731	48	1.34	1.54	87.2	Streetsboro
51	S Broadway St	E Thornton St	17,100	26	1.39	1.85	87.2	Akron
53	E Buchtel Ave	Fountain St	13,100	23	1.60	1.78	88.1	Akron
54	SR 14/44	N Freedom St (SR 88)	23,155	35	1.38	1.57	88.7	Ravenna
54	N Wooster Rd (SR 619)	State St (SR 619)	30,520	48	1.44	1.46	88.7	Barberton
56	Massillon Rd (SR 241)	Boettler Rd	24,150	35	1.32	1.66	89.0	Green
57	W Portage Trail	Northampton Rd	21,715	33	1.39	1.61	89.3	Cuyahoga Falls
58	Dart Ave	Euclid Ave	6,431	16	2.27	1.88	89.6	Akron
59	SR 261	Mogadore Rd (CR 81)	14,170	25	1.61	1.64	89.7	Kent
60	W Exchange St	Rand Ave	14,905	28	1.72	1.50	89.9	Akron
61	Howe Ave	Cliffside St	25,235	38	1.38	1.53	90.8	Cuyahoga Falls
62	E Waterloo Rd (US 224)	Canton Rd (SR 91)	39,430	49	1.13	1.73	91.0	Sum Co-Springfield Twp
62	W Exchange St	Wabash Ave	12,800	30	2.14	1.40	91.0	Akron
64	E Aurora Rd (SR 82)	S Bedford Rd/Freeway Dr	30,310	51	1.54	1.35	91.7	Macedonia
65	W Market St (SR 18)	Dart Ave	20,360	32	1.44	1.56	91.8	Akron
66	Darrow Rd (SR 91)	Eastwood Ave	21,805	41	1.72	1.34	93.5	Akron
67	S Hawkins Ave	Diagonal Rd	17,150	25	1.33	1.88	93.9	Akron
68	Cleveland Massillon Rd (CR 17)	I-77 NB Exit Ramp	18,120	34	1.71	1.41	94.0	Fairlawn
69	E Main St (SR 59)	Horning Rd	23,220	38	1.49	1.42	94.1	Kent
70	Bellows St	E Crosier St	3,230	14	3.96	1.86	94.1	Akron
71	Carroll St	Fountain St	5,750	27	4.29	1.37	94.2	Akron
72	Front St (SR 59)	Hudson Dr	33,585	56	1.52	1.32	95.1	Cuyahoga Falls
73	Wolf Ledges Pkwy/Bellows St	E South St	8,310	16	1.76	2.00	95.3	Akron
74	Manchester Rd (SR 93)	W Wilbeth Rd (SR 764)	16,980	26	1.40	1.69	95.9	Akron
75	SR 88	SR 305	4,410	14	2.90	1.86	95.9	Por Co-Hiram Twp/Nelson Twp
76	E Market St (SR 18)	Broadway St (SR 261)	26,895	41	1.39	1.44	96.2	Akron
77	Copley Rd (SR 162)	S Hawkins Ave	23,195	31	1.22	1.77	97.9	Akron
78	Medina Rd (SR 18)	Springside Dr (CR 537)	37,155	60	1.47	1.30	98.8	Sum Co-Bath Twp/Copley Twp
79	S Arlington St	E Exchange St	18,400	27	1.34	1.67	99.6	Akron
80	Brookwall Dr (TR2746)	Flight Memorial Dr	4,740	20	3.85	1.50	100.3	Sum Co-Copley Twp
81	Manchester Rd (SR 93)	State Rd/State Mill Rd (CR 74)	17,240	28	1.48	1.50	100.4	Sum Co-Coventry Twp
82	E Tallmadge Ave (SR 261)	Gorge Blvd	22,110	37	1.53	1.38	100.7	Akron
83	Lakeshore Blvd	W South St	8,820	19	1.97	1.63	100.8	Akron
84	E Archwood Ave	Hammel St	8,400	18	1.96	1.67	101.8	Akron
85	State Rd	Sackett Ave	18,610	28	1.37	1.57	101.9	Cuyahoga Falls
86	Manchester Rd (SR 93)	Carnegie Ave/Nesbitt Ave	26,581	32	1.10	1.94	102.9	Akron
87	Bailey Rd	Munroe Falls Ave	20,375	33	1.48	1.42	103.1	Cuyahoga Falls
88	W Cedar St (SR 261)	Locust St (SR 261)	13,195	24	1.66	1.50	103.3	Akron
89	Broad Blvd	State Rd	27,890	38	1.24	1.53	104.0	Cuyahoga Falls
90	SR 585	Eastern Rd	14,700	23	1.43	1.70	104.3	Norton/Chippewa Twp
91	E Market St (SR 18)	Main St	27,400	39	1.30	1.46	105.3	Akron
92	S Broadway St	E Voris St	12,200	20	1.50	1.70	106.9	Akron
93	Aurora Rd (SR 43)	Garfield West Rd (SR 82)	21,270	37	1.59	1.32	107.3	Aurora
94	W Cedar St (SR 261)	W Bowery St	11,910	22	1.69	1.55	107.6	Akron
95	E Bartges St	S Main St	5,020	24	4.37	1.33	108.4	Akron
96	W Market St (SR 18)	Twin Oaks Rd	17,415	24	1.26	1.75	109.6	Akron
97	Boulevard St	Russell Ave	10,000	20	1.83	1.50	110.5	Akron
98	Grant St	E South St	12,470	22	1.61	1.55	110.6	Akron

**Table 2**  
**HIGH CRASH INTERSECTIONS**  
**RANKED BY COMPOSITE SCORE**  
**2010-2012**

Rank	Street	Intersecting Street	Approach Ave. Daily Traffic	Total Crashes	Crash Rate	Severity Index	Composite Score	Location
99	E Market St (SR 18)	Canton Rd (SR 91)/Robindale Ave	21,041	30	1.30	1.53	110.8	Akron
100	Copley Rd (SR 162)	Diagonal Rd/S Portage Path	13,985	22	1.44	1.64	111.8	Akron
101	E Buchtel Ave	S Goodkirk St	18,900	34	1.64	1.29	112.0	Akron
102	S Arlington St	5th Ave	15,100	23	1.39	1.61	113.6	Akron
103	Darrow Rd (SR 91)	E Aurora Rd (SR 82)	32,580	38	1.07	1.63	114.2	Twinsburg
104	Grant St	N Conn St/I-76/77 WB Off Ramp	12,020	19	1.44	1.74	114.3	Akron
105	E Archwood Ave	Inman St	9,560	19	1.82	1.53	114.3	Akron
106	East Ave (SR 93)	Vernon Odom Blvd (SR 261)	12,885	24	1.70	1.42	114.4	Akron
107	Aurora Rd (SR 82)	Hadden Rd/Wilcox Dr	20,665	27	1.19	1.67	115.2	Twinsburg
108	W Bartges St	S Rhodes Ave	6,690	12	1.64	2.00	115.4	Akron
109	W Market St (SR 18)	W Exchange St/Hawkins Ave	35,310	51	1.32	1.31	116.0	Akron
110	S Arlington St	E Archwood Ave	20,800	27	1.19	1.67	116.1	Akron
111	W Cedar St	Rand Ave	14,790	20	1.23	2.30	116.5	Akron
112	Massillon Rd (SR 241)	Turkeyfoot Lake Rd (SR 619)	23,130	36	1.42	1.33	117.1	Green
113	S Arlington St (SR 764)	E Wilbeth Rd (SR 764)	22,800	31	1.24	1.52	117.4	Akron
114	N Wooster Rd	Robinson Ave/W Wooster Rd	19,270	24	1.14	1.83	119.2	Barberton
115	Newton St	Iroquois/Pondview Ave	5,241	10	1.74	2.00	119.5	Akron
116	E Wilbeth Rd (SR 764)	Hammel St	13,270	19	1.31	1.84	119.7	Akron
117	N Diamond St	Highland Ave	4,321	10	2.11	1.80	120.1	Ravenna
118	S Arlington Rd (CR 15)	Killian Rd (CR 135)	24,960	39	1.43	1.26	120.9	Sum Co-Coventry Twp/Springfield Twp
119	N Howard St	Cuyahoga St/Lods St	14,400	21	1.33	1.67	121.7	Akron
120	Carroll St	S Goodkirk St	16,890	23	1.24	1.70	122.0	Akron
121	Perkins St (SR 59)	Goodkirk St/SR 8 SB Exit Ramp	19,850	24	1.10	1.83	123.1	Akron
122	N Arlington St	E Buchtel Ave	11,100	26	2.14	1.23	123.2	Akron
123	S Massillon Rd (SR 241)	Steese Rd	10,790	27	2.29	1.07	123.6	Green
124	Vernon Odom Blvd (SR 261)	S Hawkins Ave	20,055	32	1.46	1.31	124.2	Akron
125	State Rd	Valley Rd	18,230	25	1.25	1.56	124.5	Cuyahoga Falls
126	W Hopocan Ave	5th NW St	5,730	10	1.59	2.20	124.9	Barberton
127	Diagonal Rd (CR 155)	Frost Rd (TR 197)	1,501	10	6.08	1.60	125.5	Por Co-Shalersville Twp
128	Northeast Ave (SR 261)	E Howe Rd/N Munroe Rd	15,820	30	1.73	1.13	126.1	Tallmadge
128	W Cedar St	Wabash Ave	12,500	17	1.24	2.00	126.1	Akron
130	E Exchange St	Sumner St	22,310	30	1.23	1.47	126.7	Akron
131	Ravenna Rd	Old Mill Rd	6,810	11	1.48	2.09	128.3	Sum Co-Twinsburg Twp
132	S Main St	South St	15,265	21	1.26	1.67	128.6	Akron
133	Euclid Ave	East Ave	7,720	12	1.42	2.00	128.9	Akron
134	Graham Rd	Lillis Dr	14,615	20	1.25	1.70	129.1	Cuyahoga Falls
135	E Summit St	Campus Center/Risman Dr	13,680	27	1.80	1.15	129.6	Kent
136	Stow Rd	Barlow Rd	15,580	24	1.41	1.42	130.3	Hudson
137	E Tallmadge Ave	N Howard St	18,530	26	1.28	1.46	130.4	Akron
138	Corporate Woods Circle	Corporate Woods Pkwy	6,351	20	2.88	1.30	130.9	Green
139	Martin Luther King Jr Blvd (SR 59)	N Broadway St (SR 261)	22,330	28	1.15	1.50	131.6	Akron
140	Brittain Rd	Independence Ave	14,890	20	1.23	1.70	133.0	Akron
141	SR 82	Chamberlain Rd (CR 265)	8,100	12	1.35	2.17	133.7	Por Co-Mantua Twp
142	SR 8	Valleyview Rd	17,540	21	1.09	1.95	134.3	Macedonia
143	Medina Rd/W. Market St (SR 18)	Cleveland Massillon Rd (CR 17)	46,430	56	1.10	1.32	134.4	Sum Co-Bath/Copley Twp/Fairlawn
144	Kelly Ave	E Waterloo Rd	14,401	18	1.14	2.00	134.8	Akron
145	N Howard St	Glenwood Ave	13,340	18	1.23	1.78	135.7	Akron
146	W Portage Trail	Valley Rd	20,165	29	1.31	1.34	136.2	Cuyahoga Falls
147	W Portage Trail	4th St	24,680	33	1.22	1.36	136.7	Cuyahoga Falls

Table 2  
**HIGH CRASH INTERSECTIONS**  
RANKED BY COMPOSITE SCORE  
2010-2012

Rank	Street	Intersecting Street	Approach Ave. Daily Traffic	Total Crashes	Crash Rate	Severity Index	Composite Score	Location
148	S High St (SR 261)	E Exchange St (SR 261)	18,990	27	1.30	1.37	138.0	Akron
149	S Broadway St (SR 261)	E Mill St	12,900	17	1.20	1.82	138.7	Akron
150	East Ave	Morse St	10,656	15	1.29	1.80	138.8	Akron
151	Fishcreek Rd	Stow Rd	21,645	28	1.18	1.43	139.1	Stow
152	Graham Rd	8th St/Bath Rd	22,570	26	1.05	1.62	140.3	Cuyahoga Falls
152	Main St	Huddleston Ave	13,550	22	1.48	1.36	140.3	Cuyahoga Falls
152	George Washington Blvd/Hillbish Ave (SR 764)	Triplett Blvd (SR 764)	19,995	22	1.00	1.95	140.3	Akron
155	Chillicothe Rd (SR 306)	Garfield Sr (SR 82)	19,465	27	1.27	1.37	140.4	Aurora
155	Hudson Dr	Terex Rd	17,619	25	1.30	1.40	140.4	Hudson
157	2nd St	Northland St	6,601	14	1.94	1.43	140.9	Cuyahoga Falls
158	Brown St	E South St	14,290	23	1.47	1.35	141.2	Akron
159	Summit Rd (CR 148)	Powder Mill Rd (TR 98)	7,396	11	1.36	1.91	141.8	Por Co-Franklin Twp
160	Garman Rd	Castle Blvd	6,320	10	1.45	1.80	142.0	Akron
161	N Canton Rd (SR 91)	Gilchrist Rd	25,400	28	1.01	1.57	142.1	Akron
162	E Wilbeth Rd (SR 764)	Allendale Ave	12,486	20	1.46	1.40	142.9	Akron
163	W Main St (SR 59)	Diamond St	17,290	24	1.27	1.42	143.2	Ravenna
164	E Market St (SR 18)	Buchtel Ave/Cotter Ave	20,755	26	1.14	1.46	144.2	Akron
165	SR 5/44	New Milford Rd (CR 31)	13,340	16	1.10	3.06	144.5	Por Co-Ravenna Twp
166	W Wooster Rd	31st St	26,395	31	1.07	1.45	145.3	Barberton
167	N Wooster Rd	W Hopocan Ave	12,270	22	1.64	1.27	145.4	Barberton
168	S Broadway St (SR 261)	E Cedar St (SR 261)	12,500	22	1.61	1.27	146.9	Akron
169	E Tallmadge Ave (SR 261)	Patterson Ave	16,855	23	1.25	1.43	147.2	Akron
170	Front St	Wadsworth Ave	6,090	17	2.55	1.24	148.0	Cuyahoga Falls
171	E Tallmadge Ave (SR 261)	Dayton St	15,165	21	1.26	1.48	148.4	Akron
172	2nd St	Broad Blvd	21,690	25	1.05	1.56	148.5	Cuyahoga Falls
173	Aurora Rd (SR 82)	Macedonia Commons Blvd/I-271 Ramp	33,205	40	1.10	1.30	149.3	Macedonia
174	Grant St	E Thornton St	10,635	16	1.37	1.50	149.3	Akron
175	Kent Rd (SR 59)	Darrow Rd (SR 91)	33,810	38	1.03	1.37	150.2	Stow
176	S Water St (SR 43)	Haymaker Pk (SR 59)	34,505	42	1.11	1.24	150.5	Kent
177	Turkeyfoot Lake Rd (SR 619)	S Main St	23,720	28	1.08	1.43	151.4	Green
178	SR 14	Market Square Dr	38,000	43	1.03	1.33	151.5	Streetsboro
179	Streetsboro Rd (SR 303)	Akron Cleveland Rd/SB Exit Ramp	18,450	24	1.19	1.42	152.8	Boston Heights
180	W Main St (SR 59)	Sycamore Ave	17,140	24	1.28	1.33	154.0	Ravenna
181	E Wilbeth Rd (SR 764)	Coventry St	12,891	17	1.20	1.59	154.3	Akron
182	S Rhodes Ave	Crosby St	3,480	11	2.89	1.36	155.0	Akron
182	Albrecht Ave	High Grove Blvd	8,960	12	1.22	1.83	155.0	Akron
184	S Water St (SR 43)	Summit St	29,335	34	1.06	1.35	155.2	Kent
185	E Archwood Ave	Burkhardt Ave	9,770	16	1.50	1.38	156.5	Akron
186	Brittain Rd	Newton St	13,300	19	1.30	1.42	157.2	Akron
187	Vernon Odom Blvd (SR 261)	S Rhodes Ave	11,600	14	1.10	1.86	158.0	Akron
188	E Turkeyfoot Lake Rd (SR 619)	S Arlington St	28,165	35	1.13	1.23	158.6	Green
189	Vernon Odom Blvd (SR 261)	Superior Ave	14,385	16	1.02	1.88	159.8	Akron
190	E Waterloo Rd (US 224)	Hillbish Ave	26,385	29	1.00	1.41	162.0	Akron
191	N Chestnut St	Lincoln Ave	10,161	12	1.08	2.33	162.8	Ravenna
192	W Market St (SR 18)	Elmdale Ave/Kenilworth Dr	18,911	26	1.26	1.23	162.8	Akron
192	E Tallmadge Ave	Schiller Ave	11,880	14	1.08	1.86	162.8	Akron
194	E Market St (SR 18)	Arlington St	16,995	23	1.24	1.35	163.1	Akron
195	E Wilbeth Rd (SR 764)	Virginia Ave	14,095	16	1.04	1.75	164.0	Akron
196	S Main St	Voris St	14,115	16	1.04	1.75	164.3	Akron

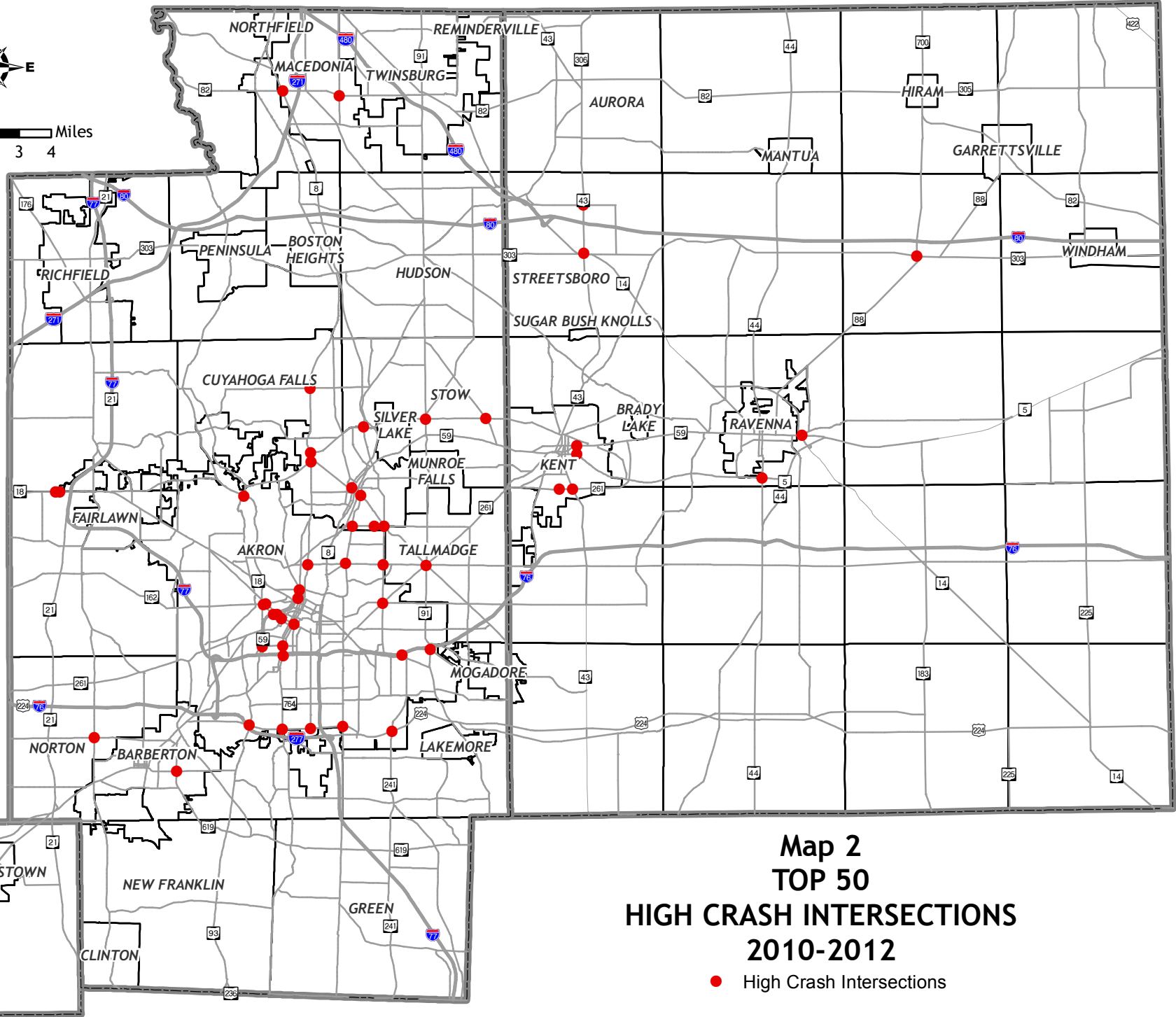
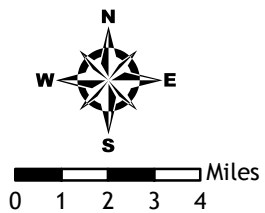
Table 2  
**HIGH CRASH INTERSECTIONS**  
RANKED BY COMPOSITE SCORE  
2010-2012

Rank	Street	Intersecting Street	Approach Ave. Daily Traffic	Total Crashes	Crash Rate	Severity Index	Composite Score	Location
197	Front St (SR 59)	Bailey Rd	27,080	33	1.11	1.18	164.9	Cuyahoga Falls
198	Grant St	S Conn St/I-76/77 EB On Ramp	11,270	17	1.38	1.35	165.4	Akron
199	Broad Blvd	3rd St	14,350	16	1.02	1.75	165.8	Cuyahoga Falls
200	Killian Rd (CR 135)	S Main St (CR 50)	16,580	22	1.21	1.36	166.4	Sum Co-Coventry Twp
201	S Canton Rd (SR 91)	Paxton Ave	16,705	20	1.09	1.50	166.6	Akron
201	S Case Ave	River St	6,841	10	1.33	1.60	166.6	Akron
203	Wadsworth Rd (SR 261)	Hametown Rd	8,100	12	1.35	1.50	167.0	Norton
203	S High St (SR 261)	E State St	10,690	16	1.37	1.38	167.0	Akron
205	Yellow Creek Rd (CR 33)	Revere Rd (CR 114)	5,730	14	2.23	1.14	168.5	Sum Co-Bath Twp
206	East Ave	W Wilbeth Rd	10,845	13	1.09	1.77	170.0	Akron
207	Carroll St	Buckeye St	4,310	12	2.54	1.17	171.5	Akron
208	E Summit St	Terrace Dr	7,501	15	1.83	1.00	173.3	Kent
209	W Waterloo Rd	Coventry St	17,700	20	1.03	1.50	173.5	Barberton
210	S Chillicothe Rd (SR 43)	Pioneer Rd	13,310	19	1.30	1.32	173.7	Aurora
211	E Buchtel Ave	S College St	11,300	14	1.13	1.57	175.1	Akron
212	S Main St	Firestone St	13,130	15	1.04	1.67	175.7	Akron
213	Kent Rd (SR 59)	Charring Cross Dr	18,585	21	1.03	1.48	176.0	Stow
214	Streetsboro St (SR 303)	Atterbury Blvd/Milford Rd	15,420	19	1.13	1.42	176.4	Hudson
215	Kelly Ave	E Archwood Ave	8,700	10	1.05	2.00	176.5	Akron
216	Kenmore Blvd	W Wilbeth Rd	10,500	13	1.13	1.62	176.6	Akron
217	Brown St	Lovers Lane	9,260	13	1.28	1.46	176.9	Akron
218	Main St (SR 59)	Prospect St	21,120	25	1.08	1.32	177.0	Ravenna
219	Dart Ave	W State St	3,900	10	2.34	1.20	178.3	Akron
220	E Cedar St (SR 261)	S Main St	16,500	22	1.22	1.27	179.0	Akron
221	W Market St (SR 18)	Portage Path	18,540	24	1.18	1.17	179.8	Akron
222	Glenwood Dr	Liberty Rd	11,400	17	1.36	1.24	181.0	Reminderville/Twinsburg
223	Greensburg Rd	Lauby Rd	11,425	17	1.36	1.24	181.3	Green
224	W Streetsboro St (SR 303)	Library St	19,664	25	1.16	1.08	181.8	Hudson
225	Exchange St (SR 261)	S Main St	19,660	23	1.07	1.35	182.0	Akron
226	Fishcreek Rd	Wexford Blvd	13,830	16	1.06	1.50	184.1	Stow
227	Manchester Rd (SR 93)	W Nimisila Rd	7,921	10	1.15	1.60	184.3	New Franklin
228	E Turkeyfoot Lake Rd (SR 619)	Cottage Grove Rd	16,410	19	1.06	1.42	185.4	Green
229	Shepard Rd	Ledge Rd	8,160	10	1.12	1.60	188.8	Macedonia/Twinsburg
230	N Adams St	N Forge St	8,810	11	1.14	1.55	189.2	Akron
231	W Exchange St (SR 261)	W Bowery St	12,710	14	1.01	1.57	190.4	Akron
232	Fairchild/Graham Rd	Newcomer Rd	11,900	15	1.15	1.40	191.0	Stow/Kent
233	Dart Ave	Center St/Locust St	8,160	12	1.34	1.33	191.3	Akron
234	Vernon Odom Blvd (SR 261)	Frederick Blvd	12,000	15	1.14	1.40	192.2	Akron
235	Frost Rd	Page Rd	7,580	11	1.33	1.36	193.4	Streetsboro
236	N Portage Path	Garman Rd	9,785	14	1.31	1.29	194.0	Akron
236	Valley View Rd	Olde Eight Rd	19,100	23	1.10	1.17	194.0	Sum Co-Northfield/Sagamore Hills Twp
238	E Wilbeth Rd (SR 764)	S Firestone Blvd	11,790	16	1.24	1.25	197.3	Akron
239	E Archwood Ave	Coventry St	7,880	11	1.27	1.36	198.2	Akron
240	2nd St	Chestnut Blvd	8,800	12	1.25	1.33	200.9	Cuyahoga Falls
241	Copley Rd (SR 162)	St Michaels Ave	12,141	16	1.20	1.25	201.2	Akron
242	Brittain Rd	Evans Ave/S Thomas Rd	16,700	19	1.04	1.32	203.7	Akron
242	E Main St (SR 59)	New Milford Rd	15,625	19	1.11	1.21	203.7	Ravenna
244	E Glenwood Ave	Dan St/Fouse St	12,476	16	1.17	1.25	203.9	Akron
245	4th St	Oakwood Dr	8,085	12	1.36	1.17	205.4	Cuyahoga Falls



Table 2  
**HIGH CRASH INTERSECTIONS**  
 RANKED BY COMPOSITE SCORE  
 2010-2012

Rank	Street	Intersecting Street	Approach Ave. Daily Traffic	Total Crashes	Crash Rate	Severity Index	Composite Score	Location
246	E Buchtel Ave	S Union St	12,620	14	1.01	1.43	206.3	Akron
247	W Wooster Rd	2nd NW/SW St	16,640	20	1.10	1.10	207.4	Barberton
248	Franklin Ave	W Summit St	10,880	14	1.18	1.29	208.4	Kent
249	W Main St (SR 59)	Scranton St	13,711	17	1.13	1.12	211.6	Ravenna
250	Merriman Rd	Edgerton Rd	8,300	10	1.10	1.40	215.5	Akron
251	Akron Peninsula Rd	W Steels Corners Rd	6,730	10	1.36	1.00	217.3	Akron/Cuyahoga Falls
252	N Mantua St (SR 43)	W Main St	13,190	16	1.11	1.13	217.7	Kent
253	W Wooster Rd	3rd NW St	11,705	14	1.09	1.29	219.2	Barberton
254	Wolf Ledges Pkwy	S Conn St/I-76/77 EB Off Ramp	12,610	15	1.09	1.27	219.8	Akron
255	S High St (SR 261)	E Buchtel Ave	9,061	12	1.21	1.17	221.0	Akron
255	Northeast Ave (SR 261)	Middlebury Rd	8,100	11	1.24	1.18	221.0	Tallmadge
257	E Summit St	S Willow St	10,400	12	1.05	1.33	223.7	Kent
258	Kelly Ave	3rd Ave	8,780	11	1.14	1.18	229.4	Akron
259	E Buchtel Ave	Hill St	10,730	13	1.11	1.15	229.7	Akron
260	E Tallmadge Ave (SR 261)	Blaine Ave	11,790	13	1.01	1.31	230.3	Akron
261	Bailey Rd	Hanover St	7,670	10	1.19	1.00	234.7	Cuyahoga Falls
262	Prospect St	Lake St	11,200	13	1.06	1.15	236.3	Ravenna



**Map 2  
TOP 50  
HIGH CRASH INTERSECTIONS  
2010-2012**

● High Crash Intersections

**AKRON METROPOLITAN AREA TRANSPORTATION STUDY**  
**MEMORANDUM**

**TO:**       **Policy Committee**  
              **Technical Advisory Committee**  
              **Citizens Involvement Committee**

**FROM:**    **AMATS Staff**

**RE:**       **Resolution 2013-10 - Approving Amendment #1 to the Transportation Improvement Program FY 2014-2017 to add TAP funding to the Village of Mantua's SR 44 Sidewalk project.**

**DATE:**     **July 10, 2013**

The Village of Mantua applied to AMATS for Transportation Enhancement Program (TEP) funds for a sidewalk improvement project on SR 44 (Main Street) in the calendar year 2012 round of funding. The Policy Committee subsequently approved \$45,000 in TEP funds for the Village to construct this new sidewalk project which includes curb and associated drainage work. This project has been combined with a larger ODOT project which involves the replacement of a bridge over a branch of the Cuyahoga River and resurfacing within the limits of the sidewalk improvement. The SR 44 sidewalk improvement is scheduled to sell along with ODOT's project in April of 2014. The latest estimate for the sidewalk improvement portion of the overall project is \$125,000.

The Village is requesting that AMATS approve a total of \$100,000, or 80%, of the current construction amount in Transportation Alternatives Program (TAP) funding. This represents an additional expenditure of \$55,000. MAP-21, the new transportation act, has replaced the TEP program with the TAP program. Under normal circumstances, the Village would need to reapply to AMATS in the next round of funding which is scheduled to begin this fall with final approvals in early 2014. But due to the overall project's schedule, the Village will need to certify that local funds are available for the sidewalk portion of the project by December 2013 and therefore cannot wait for the next scheduled round of AMATS funding.

Being that this is outside a normal round of funding, the Village presented their request to the TAC TIP Subcommittee as stipulated in AMATS Funding Policy Guidelines. The TAC TIP Subcommittee discussed this request and is recommending that funding be approved as requested by the Village of Mantua as long as other TAP funded projects are not delayed.

Currently there is a projected shortfall of TAP funds in FY 2014 but a trade of funds can take place within AMATS funding programs to cover short-term expenditures. For FY 2014, AMATS has sufficient CMAQ funds to trade and cover the revenue shortages in the TAP program.

## STAFF COMMENTS

As with all AMATS project funding decisions, considerations with respect to public involvement, financial capability, environmental justice, and air quality are important.

Sufficient funding is forecasted from federal and local sources for this amendment. This new project meets all amendment requirements mentioned above. Therefore this amendment does not cause any negative impact and is eligible for approval.

## RECOMMENDATION

Attached to this memo is Resolution Number 2013-10 approving an amendment to add additional TAP funds for the Village of Mantua's SR 44 Sidewalk improvement project. The Staff and the TAC TIP Subcommittee recommend approval.

**RESOLUTION NUMBER 2013-10**

**OF THE METROPOLITAN TRANSPORTATION POLICY COMMITTEE  
OF THE AKRON METROPOLITAN AREA TRANSPORTATION STUDY**

**Approving Amendment #1 to the Transportation Improvement Program FY 2014-2017 to add TAP funding to the Village of Mantua's SR 44 Sidewalk project.**

**WHEREAS**, the Akron Metropolitan Area Transportation Study (AMATS) is designated as the Metropolitan Planning Organization (MPO) by the Governor, acting through the Ohio Department of Transportation and in cooperation with locally elected officials in Summit and Portage Counties and the Chippewa Township area of Wayne County, and

**WHEREAS**, it is the responsibility of this Committee to develop and maintain the Transportation Improvement Program (TIP) and,

**WHEREAS**, this Committee has been requested to approve funding and amend the AMATS Transportation Improvement Program FY 2014-2017 for the following project as discussed in the accompanying memorandum:

- |   |                          |
|---|--------------------------|
| 1. <b>SR 44 Sidewalk Project (PID #82913)</b> | \$100,000 TAP in FY 2014 |
|---|--------------------------|

**WHEREAS**, the Citizens Involvement Committee held a meeting on July 18, 2013 to review this amendment consistent with its Public Participation Plan and,

**WHEREAS**, the amendment has been judged to be air quality neutral and is, therefore, excluded from the regional air quality conformity analysis and,

**WHEREAS**, the environmental justice impacts of this amendment has been considered consistent with "Executive Order 12898 Federal Actions to Address Environmental Justice in Minority Populations and Low Income Populations" and,

**WHEREAS**, this Committee has analyzed this request and found this amendment to be consistent with Transportation Outlook, the Regional Transportation Plan, and with the availability of federal funds forecasted for the AMATS area.

**RESOLUTION NUMBER 2013-10 (Continued)**

**NOW THEREFORE BE IT RESOLVED:**

1. That this Committee agrees to fund the previously described project with federal TAP funds suballocated to the AMATS Policy Committee.
2. That this Committee amends the Transportation Improvement Program FY 2014-2017 as previously specified.
3. That this Committee considers the Citizens Involvement Committee meeting held on July 18, 2013 as adequately providing for public involvement.
4. That this Committee affirms that sufficient federal funding is expected to be available for the Akron Urbanized Area to maintain financial constraint.
5. That this Committee reaffirms the air quality conformity determination of Transportation Outlook, the Regional Transportation Plan.
6. That this Committee affirms conformity with environmental justice requirements.
7. That this Committee affirms consistency with Transportation Outlook.
8. That this Committee authorizes the Staff to provide copies of this Resolution to the appropriate agencies as evidence of action by the Metropolitan Planning Organization.

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Connie Krauss, 2013 Chairwoman  
Metropolitan Transportation Policy Committee

---

Date

**AMENDMENT # 1 - 7/24/13**  
**AMATS TRANSPORTATION IMPROVEMENT PROGRAM FY 2014-2017**  
**TABLE H-3**  
**HIGHWAY IMPROVEMENTS**

MAP	PID #	CO-RTE -SECTION	LENGTH miles	LOCATION & TERMINI	TYPE OF WORK	FUND TYPE	P H A S E					TOTAL PROJECT COST (\$000)	PROJECT SPONSOR	AIR QUALITY STATUS
								2014	2015	2016	2017			
26	82913	POR-SR 44-19.16	2.98	SHALERSVILLE TWP, VILLAGE OF MANTUA SR 44 FROM SR 303 TO MILL ST	MINOR REHABILITATION BRIDGE REPAIRS	STATE STP BR TAP-A STATE LOCAL	R C C C C C	14.1				1,680.1	MANTUA ODOT	EXEMPT

Resolution 2013-10

**AKRON METROPOLITAN AREA TRANSPORTATION STUDY**  
**M E M O R A N D U M**

**TO:** Policy Committee  
Technical Advisory Committee  
Citizens Involvement Committee

**FROM:** AMATS Staff

**RE:** Resolution 2013-11 - Approving Amendment #2 to the Transportation Improvement Program FY 2014-2017 to Add New Projects and Revise the Schedule of various existing AMATS Funded Projects.

**DATE:** July 10, 2013

The following requests have been made to amend the FY 2014-2017 TIP:

New Projects

**N. Chestnut St** – Sidewalk  
**E. Exchange St** – Signal Coordination, Complete Streets  
**Greensburg Rd** – Resurfacing  
**Waterloo Rd** – Signal Coordination

Revise Schedule

**Cleveland Rd**  
**Hiram Hike and Bike**  
**E. Summit St**  
**West Side Signals**  
**SR 43 (S. Water St)**  
**Brittain Rd Signals**  
**Howe Ave**  
**Liberty Rd Sidewalk**  
**SR 18 (Market St) Signals** (Summit St to Portage Path)  
**SR 91 (Canton Rd)/SR 18 (E. Market St) Signal**  
**SR 91 (Darrow Rd)/ Norton Rd**  
**SR 91 (Main St)/ Prospect St**  
**SR 91 (Darrow Rd)**  
**SR 91 (Darrow Rd) Phase 2**  
**SR 241 (Massillon Rd)**  
**SR 261 (Tallmadge Ave/Dayton St)**  
**SR 261 (Tallmadge Ave) Home Ave to Brittain Rd**



Revise Schedule and Funding

**Arlington Rd** (Chenoweth Rd to Akron South Corp Line)

**STAFF COMMENTS**

As with all TIP amendments, considerations with respect to public participation, financial capability, air quality, environmental justice and Plan consistency are important. Sufficient funding is forecasted from federal and state sources for this amendment. The new as well as the existing projects listed meet all amendment requirements mentioned above. Therefore this amendment does not cause any negative impact.

**STAFF RECOMMENDATION**

Attached to this memo is Resolution Number 2013-11. This Resolution approves the amendment to the TIP FY 2014-2017. The Staff recommends approval.

**RESOLUTION NUMBER 2013-11**

**OF THE METROPOLITAN TRANSPORTATION POLICY COMMITTEE  
OF THE AKRON METROPOLITAN AREA TRANSPORTATION STUDY**

**Approving Amendment #2 to the Transportation Improvement Program FY 2014-2017 to Add New Projects and Revise the Schedule of various existing AMATS Funded Projects.**

**WHEREAS**, the Akron Metropolitan Area Transportation Study (AMATS) is designated as the Metropolitan Planning Organization (MPO) by the Governor, acting through the Ohio Department of Transportation and in cooperation with locally elected officials in Summit and Portage Counties and the Chippewa Township area of Wayne County, and

**WHEREAS**, it is the responsibility of this Committee to develop and maintain the Transportation Improvement Program (TIP) and,

**WHEREAS**, this Committee has been requested to amend the AMATS FY 2014-2017 Transportation Improvement Program for the following projects as discussed in the accompanying memorandum:

1. **POR-N. Chestnut St Sidewalks** (PID #94282) – add new sidewalk project in Ravenna and Ravenna Twp with PE and construction in FY 2014
2. **POR-Cleveland Rd** (PID #94287) – move construction to FY 2015
3. **POR-Hiram Hike and Bike** (PID #93823) – move construction to FY 2016
4. **POR-E. Summit St** (PID #84546) – move construction to FY 2016
5. **POR-West Side Signals** (PID #93441) - move construction to FY 2016
6. **POR-SR 43 (S. Water St)-10.26** (PID #93442) - move RW to FY 2016 and add construction in FY 2017
7. **SUM-Arlington Rd** (PID #88528) – move RW to FY 2015 and construction to FY 2016
8. **SUM-Brittain Rd Signals** (PID #93432) – move construction to FY 2016
9. **SUM-E. Exchange St Signals** (PID #93437) – add new signal coordination project in Akron with construction in FY 2017
10. **SUM-Greensburg Rd East** (PID #94277) – add new resurfacing project in Green with construction in 2014
11. **SUM-Howe Ave** (PID #93819) – add construction in FY 2016
12. **SUM-Liberty Rd Sidewalk** (PID #93760) – add PE in FY 2014
13. **SUM-Waterloo Rd Signals** (PID #93434) - add new signal coordination project in Akron with construction in FY 2017
14. **SUM-SR 18 (Market St) Signals** (PID #93435) – move construction to FY 2016
15. **SUM-SR 91 (Canton Rd)/SR 18 (E. Market St) Signal** (PID #93433) – add construction in FY 2017
16. **SUM-SR 91 (Darrow Rd) Signals** (PID #93438) - add new signal coordination project in Akron with construction in FY 2017
17. **SUM-SR 91 (Darrow Rd)/Norton Rd** (PID #93452) – move construction to FY 2016
18. **SUM-SR 91 (Main St)/Prospect St** (PID #88548) – move construction to FY2016
19. **SUM-SR 91 (Darrow Rd)-15.67** (PID #93822) - move construction to FY2016
20. **SUM-SR 91 (Darrow Rd) Phase 2** (PID #92032) – add construction in FY 2017
21. **SUM-SR 241 (Massillon Rd)-4.10** (PID #90415) - move construction to FY2016
22. **SUM-SR 261 (Tallmadge Ave)-11.50** (PID #88556) - add construction in FY 2017
23. **SUM-SR 261 (Tallmadge Ave) Signals** (PID #93439) - move construction to FY2016

**RESOLUTION NUMBER 2013-11 (Continued)**

**WHEREAS**, the AMATS Citizens Involvement Committee held a meeting on July 18, 2013 to review this amendment consistent with its AMATS Public Participation Plan and,

**WHEREAS**, the amendment has been judged to be air quality neutral and is, therefore, excluded from additional regional air quality conformity analysis and,

**WHEREAS**, the environmental justice impacts of this amendment has been considered consistent with “Executive Order 12898 Federal Actions to Address Environmental Justice in Minority Populations and Low Income Populations” and,

**WHEREAS**, this Committee has analyzed this request and found this amendment to be consistent with Transportation Outlook, the Regional Transportation Plan, and with the availability of federal funds forecasted for the AMATS area.

**RESOLUTION NUMBER 2013-11 (Continued)**

**NOW THEREFORE BE IT RESOLVED:**

1. That this Committee amends the Transportation Improvement Program FY 2014-2017 as previously specified.
2. That this Committee considers the Citizens Involvement Committee meeting held on July 18, 2013 as adequately providing for public involvement.
3. That this Committee affirms that sufficient federal funding is expected to be available for the Akron Urbanized Area to maintain financial constraint.
4. That this Committee reaffirms the air quality conformity determination of Transportation Outlook, the Regional Transportation Plan.
5. That this Committee affirms conformity with environmental justice requirements.
6. That this Committee affirms consistency with Transportation Outlook, the Regional Transportation Plan.
7. That this Committee authorizes the Staff to provide copies of this Resolution to the appropriate agencies as evidence of action by the Metropolitan Planning Organization.

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Connie Krauss, 2013 Chairwoman  
Metropolitan Transportation Policy Committee

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Date

**AMENDMENT # 2 - 7/24/13**  
**AMATS TRANSPORTATION IMPROVEMENT PROGRAM FY 2014-2017**  
**TABLE H-3**  
**HIGHWAY IMPROVEMENTS**

MAP	PID #	CO-RTE -SECTION	LENGTH miles	LOCATION & TERMINI	TYPE OF WORK	FUND TYPE	P H A S S E	FISCAL YEAR				TOTAL PROJECT COST (\$000)	PROJECT SPONSOR	AIR QUALITY STATUS	
								2014	2015	2016	2017				
	94282	<b>POR-N. CHESTNUT ST-SIDEWALKS</b>  (New Project)	0.50	RAVENNA/RAVENNA TWP RAVENNA HIGH SCHOOL TO ROBINSON HOSPITAL TO LOOMIS PKWY	CONSTRUCT SIDEWALKS	TEP-A LOCAL TEP-A LOCAL	P P C C	9.8 2.5 97.9 24.4				134.6	RAVENNA	EXEMPT	
2	94287	<b>POR-CLEVELAND RD</b>  (Revise Schedule)	0.70	RAVENNA CLEVELAND RD FROM HIGHLAND AVE/ SYCAMORE ST TO RAVENNA NORTH CORP LINE	RESURFACING	STP-A LOCAL	C C		223.2 55.8	223.2 55.8		279.0	RAVENNA	EXEMPT	
10	93823	<b>POR-HIRAM HIKE AND BIKE (North)</b>  (Revise Schedule)	0.47	HIRAM WINROCK RD TO SR 305	CONSTRUCT MULTI-USE TRAIL	TAP-A LOCAL TAP-A LOCAL TAP-A LOCAL	P P R R C C	61.6 15.4		22.4 5.6		952.0	HIRAM	EXEMPT	
16	84546	<b>POR-E SUMMIT ST</b>  (Revise Schedule)	1.75	KENT EAST SUMMIT ST FROM SOUTH LINCOLN ST TO LOOP RD	COORDINATED SIGNAL SYSTEM NEW CENTER MEDIAN IMPROVE LINCOLN ST INTERSECTION	CMAQ-A LOCAL CMAQ-A HSIP LOCAL	R R C C C	436.0 109.0		5,564.0 3,222.8 2,196.7	5,564.0 3,222.8 2,196.7		12,370.8	KENT	ANALYZE
18	93441	<b>POR-WEST SIDE SIGNALS-Ravenna</b>  (Revise Schedule)	0.90	RAVENNA HIGHLAND AVE & DIAMOND ST/SYCAMORE ST AND DIAMOND ST & CLEVELAND AVE	SIGNAL COORDINATION PREEMPTION PEDESTRIAN SIGNALS CURB RAMPS	CMAQ-A LOCAL	C C			1,308.3 327.1	1,308.3 327.1	1,635.4	RAVENNA	EXEMPT	
23	93442	<b>POR-SR 43-10.26</b> (S Water St)  (Revise Schedule)	1.30	KENT SR 43 FROM SR 261 TO SUMMIT ST	TURN LANES SIGNAL UPGRADE SIGNAL INTERCONNECT SIDEWALK RAMPS	CMAQ-A LOCAL CMAQ-A LOCAL	R R C C			120.0 30.0	120.0 30.0	2,950.0	KENT	EXEMPT	
38	88528	<b>SUM-ARLINGTON RD</b>  (Revise Funding and Schedule)	2.07	COVENTRY AND SPRINGFIELD TOWNSHIPS ARLINGTON RD FROM CHENOWETH RD TO THE AKRON SOUTH CORP LINE	SIDEWALK AND RAMPS NB TURN LANE AT WARNER RD INTERCONNECT TRAFFIC SIGNALS RESURFACE FROM KILLIAN RD TO KRUMROY RD	CMAQ-A LOCAL CMAQ-A LOCAL	R R C C	160.0 40.0	184.0 46.0	880.0 511.0	880.0 511.0	1,621.0	SUMMIT COUNTY ENGINEER	EXEMPT	

**AMENDMENT # 2 - 7/24/13**  
**AMATS TRANSPORTATION IMPROVEMENT PROGRAM FY 2014-2017**  
**TABLE H-3**  
**HIGHWAY IMPROVEMENTS**

MAP	PID #	CO-RTE -SECTION	LENGTH miles	LOCATION & TERMINI	TYPE OF WORK	FUND TYPE	P H A S S E	FISCAL YEAR				TOTAL PROJECT COST (\$000)	PROJECT SPONSOR	AIR QUALITY STATUS	
								2014	2015	2016	2017				
42	93432	<b>SUM-BRITTAIN RD SIGNALS</b>  (Revise Schedule)	1.58	AKRON BRITTAIN RD FROM E. MARKET ST TO EASTWOOD AVE	SIGNAL COORDINATION FIBEROPTIC	CMAQ-A LOCAL	C C		920.0 <del>230.0</del>	<b>920.0</b> <b>230.0</b>		1,150.0	AKRON	EXEMPT	
	93437	<b>SUM-E EXCHANGE ST SIGNALS</b>  (New Project)	1.06	AKRON E. EXCHANGE ST FROM MAIN ST TO FOUNTAIN ST	SIGNAL COORDINATION FIBEROPTIC ROAD DIET SIDEWALK BIKE FACILITIES	CMAQ-A LOCAL	C C				2,000.0 500.0	2,500.0	AKRON	EXEMPT	
	94277	<b>SUM-GREENSBURG RD EAST (CR 133)</b>  (New Project)	2.26	GREEN GREENSBURG RD FROM ETTER DR TO GREEN EAST CORP LINE	RESURFACING	STP-A LOCAL	C C	456.7 1,138.5				1,595.2	GREEN	EXEMPT	
50	93819	<b>SUM-HOWE AVE</b>  (Revise Schedule)	0.69	CUYAHOGA FALLS HOWE AVE FROM MAIN ST TO BUCHHOLZER BLVD	PAVEMENT RECONSTRUCTION	STP-A LOCAL STP-A LOCAL	R R C C		480.0 120.0	<b>2,800.0</b> <b>700.0</b>		4,100.0	CUYAHOGA FALLS	EXEMPT	
54	93760	<b>SUM-LIBERTY RD SIDEWALK</b>  (Revise Schedule)	0.68	TWINSBURG POST RD TO SOLON	CONSTRUCT SIDEWALK	TAP-A LOCAL TAP-A LOCAL	P P C C	<b>62.1</b> <b>15.5</b>			320.0 80.0		477.6	TWINSBURG	EXEMPT
	93434	<b>SUM-WATERLOO RD SIGNALS</b>  (New Project)	1.88	AKRON WATERLOO RD FROM MAIN ST TO ARLINGTON RD	SIGNAL COORDINATION FIBEROPTIC	CMAQ-A LOCAL	C C				1,120.0 280.0	1,400.0	AKRON	EXEMPT	
73	93435	<b>SUM-SR 18 SIGNALS</b> (Market St-Summit St to Portage Path)  (Revise Schedule)	2.09	AKRON MARKET ST FROM PORTAGE PATH TO SUMMIT ST	UPGRADE SIGNALS VIDEO DETECTION FIBEROPTIC	CMAQ-A LOCAL	C C			<b>1,120.0</b> <b>280.0</b>	<del>4,120.0</del> <del>280.0</del>	1,400.0	AKRON	EXEMPT	

**AMENDMENT # 2 - 7/24/13**  
**AMATS TRANSPORTATION IMPROVEMENT PROGRAM FY 2014-2017**  
**TABLE H-3**  
**HIGHWAY IMPROVEMENTS**

MAP	PID #	CO-RTE -SECTION	LENGTH miles	LOCATION & TERMINI	TYPE OF WORK	FUND TYPE	P H A S S E	FISCAL YEAR				TOTAL PROJECT COST (\$000)	PROJECT SPONSOR	AIR QUALITY STATUS
								2014	2015	2016	2017			
91	93433	<b>SUM-SR 91/SR 18 SIGNAL</b> (Canton Rd/E Market St)  (Revise Schedule)	0.01	AKRON SR 91 (CANTON RD) AT THE INTERSECTION WITH SR 18 (E. MARKET ST)	TURN LANES GEOMETRIC IMPROVEMENTS SIGNAL UPGRADE	CMAQ-A LOCAL CMAQ-A LOCAL	R R C C			400.0 100.0	800.0 200.0	1,500.0	AKRON	EXEMPT
	93438	<b>SUM-SR 91 SIGNALS</b> (Darrow Rd)  (New Project)	1.33	AKRON DARROW RD FROM GILCHRIST RD TO EASTWOOD AVE	SIGNAL COORDINATION FIBEROPTIC	CMAQ-A LOCAL	C C			800.0 200.0		1,000.0	AKRON	EXEMPT
93	93452	<b>SUM-SR 91/NORTON RD</b> (Darrow Rd)  (Revise Schedule)	0.40	HUDSON AND STOW SR 91 (DARROW RD) AT NORTON RD	TURN LANES STANDARD LANES RESURFACING SIDEWALKS	STP-A LOCAL STP-A LOCAL	R R C C		80.0 20.0	1,600.0 400.0	1,600.0 400.0	2,100.0	HUDSON	EXEMPT
95	88548	<b>SUM-SR 91/PROSPECT ST</b> (Main St)  (Revise Schedule)	0.01	HUDSON MAIN ST AT PROSPECT ST	TURN LANES UPDATE SIGNAL CURB AND GUTTER	STP-A LOCAL STP-A LOCAL	R R C C	92.0 23.0	480.0 420.0	480.0 120.0		700.0	HUDSON	EXEMPT
96	93822	<b>SUM-SR 91-15.67</b> (Darrow Rd)  (Revise Schedule)	0.70	HUDSON SR 91 (DARROW RD) FROM VALLEYVIEW RD TO HINES HILL RD	TURN LANES RESURFACING BIKE LANES SIDEWALKS	STP-A LOCAL STP-A LOCAL	R R C C		67.2 16.8	1,512.0 378.0	1,512.0 378.0	1,974.0	HUDSON	EXEMPT
99	92032	<b>SUM-SR 91-Phase 2</b> (Darrow Rd)  (Revise Schedule)	0.56	TWINSBURG SR 91 (DARROW RD) FROM NORTH OF GLENWOOD BLVD TO THE TWINSBURG NORTH CORP LINE	WIDEN TO FOUR LANES ROUNDBOUT DRAINAGE SIDEWALK	STP-A LOCAL STP-A LOCAL	R R C C			160.0 40.0	3,440.0 860.0	4,500.0	TWINSBURG	ANALYZE
103	90415	<b>SUM-SR 241-4.10</b> (Massillon Rd)  (Revise Schedule)	0.50	GREEN RABER RD TO SR 619	WIDEN TO FIVE LANES	STP-A LOCAL	R R			1,600.0 400.0	1,600.0 400.0	2,400.0	GREEN	ANALYZE

**AMENDMENT # 2 - 7/24/13**  
**AMATS TRANSPORTATION IMPROVEMENT PROGRAM FY 2014-2017**  
**TABLE H-3**  
**HIGHWAY IMPROVEMENTS**

MAP	PID #	CO-RTE -SECTION	LENGTH miles	LOCATION & TERMINI	TYPE OF WORK	FUND TYPE	P H A S S E	FISCAL YEAR				TOTAL PROJECT COST (\$000)	PROJECT SPONSOR	AIR QUALITY STATUS	
								2014	2015	2016	2017				
104	88556	<b>SUM-SR 261-11.50</b> (Tallmadge Ave) Combined with PID 93890 <b>(Revise Schedule)</b>	0.40	AKRON TALLMADGE AVE (SR 261) FROM DAYTON ST TO SR 8 INCLUDING INTERSECTION WITH DAYTON ST	REALIGN DAYTON ST INTERSECTION RECONSTRUCT AND REDUCE TO THREE STANDARD LANES UPGRADE TRAFFIC SIGNALS UPGRADE SIDEWALK	STP-A LOCAL STP-A LOCAL	R R C C		320.0 80.0			2,180.0 54.5	3,125.0	AKRON	EXEMPT
105	93439	<b>SUM-SR 261 SIGNALS</b> (Tallmadge Ave)  <b>(Revise Schedule)</b>	1.19	AKRON TALLMADGE AVE FROM HOME AVE TO BRITAIN RD	SIGNAL COORDINATION FIBEROPTIC	CMAQ-A LOCAL	C C		<del>760.0</del> 190.0	<b>760.0</b>	<b>190.0</b>		950.0	AKRON	EXEMPT

Resolution 2013-11



**AKRON METROPOLITAN AREA TRANSPORTATION STUDY**

**M E M O R A N D U M**

**TO:** Policy Committee  
Technical Advisory Committee  
Citizens Involvement Committee

**FROM:** AMATS Staff

**RE:** Resolution 2013-12 - Approving Amendment #3 to the Transportation Improvement Program FY 2014-2017 to Add Ghent Historic District Wayside, Waterloo Road/Arlington Street Intersection, I-76 Akron Beltway Study, and I-77/White Pond Drive, Revise the Funding of Akron Cleveland Road, and Revise the Schedule of SR 619 (Wooster Road).

**DATE:** July 10, 2013

The following requests have been made to amend the FY 2014-2017 TIP:

New Projects

**Ghent Historic District Wayside** – is a new project in Bath Township to construct a wayside. Engineering is scheduled in FY 2014 using \$12,000 in discretionary funds and construction is scheduled in FY 2015 using \$138,600 in discretionary funds.

**Waterloo Road/Arlington Street** – is a new project in Akron for safety improvements at the intersection. Engineering is scheduled in FY 2014 using \$67,500 in highway safety improvement funds and construction is scheduled in FY 2015 using \$663,300 in highway safety funds.

**I-76 Akron Beltway Study** – is a new study in Akron and Coventry Township to analyze the freeway interchanges to optimize traffic flow. Engineering is scheduled in FY 2014 using \$14,400,000 in interstate maintenance funds and \$1,600,000 in state funds.

**I-77/White Pond Drive** – is a new project in Akron to repair an embankment slide at the I-77 southbound exit ramp to White Pond Drive. Construction is scheduled in FY 2016 using \$891,000 in interstate maintenance funds and \$99,000 in state funds.

Revise the Funding or Schedule

**Akron Cleveland Road** – Revise Funding  
**SR 619 (Wooster Road)** – Revise Schedule

## **STAFF COMMENTS**

As with all TIP amendments, considerations with respect to public participation, financial capability, air quality, environmental justice and Plan consistency are important. Sufficient funding is forecasted from federal and state sources for this amendment. The new as well as the existing projects listed meet all amendment requirements mentioned above. Therefore this amendment does not cause any negative impact.

## **STAFF RECOMMENDATION**

Attached to this memo is Resolution Number 2013-12. This Resolution approves the amendment to the TIP FY 2014-2017. The Staff recommends approval.

**RESOLUTION NUMBER 2013-12**

**OF THE METROPOLITAN TRANSPORTATION POLICY COMMITTEE  
OF THE AKRON METROPOLITAN AREA TRANSPORTATION STUDY**

**Approving Amendment #3 to the Transportation Improvement Program FY 2014-2017 to Add Ghent Historic District Wayside, Waterloo Road/Arlington Street, I-76 Akron Beltway Study, and I-77/White Pond Drive; Revise Funding to Akron Cleveland Road; and Revise the Schedule to SR 619 Wooster Road.**

**WHEREAS**, the Akron Metropolitan Area Transportation Study (AMATS) is designated as the Metropolitan Planning Organization (MPO) by the Governor, acting through the Ohio Department of Transportation and in cooperation with locally elected officials in Summit and Portage Counties and the Chippewa Township area of Wayne County, and

**WHEREAS**, it is the responsibility of this Committee to develop and maintain the Transportation Improvement Program (TIP) and,

**WHEREAS**, this Committee has been requested to amend the AMATS FY 2014-2017 Transportation Improvement Program for the following projects as discussed in the accompanying memorandum:

- 1. SUM-Akron Cleveland Road (PID #86154)** – add RW phase in FY 2014 and revise funding.
- 2. SUM-Ghent Historic District Wayside (PID #96292)** – add new project with PE in FY 2014 and construction in FY 2015.
- 3. SUM-Waterloo Road-8.44 (PID #96359)** – add new intersection improvement project at Arlington Street with PE in FY 2014 and construction in FY 2015.
- 4. SUM-I 76-10.95 Akron Beltway Study (PID #95831)** – add new project to study interchanges and improve traffic flow with PE in FY 2014.
- 5. SUM-I 77-18.34 Slide Repair (PID #84135)** – add a new slide repair project at IR 77 SB exit ramp to White Pond Drive with construction in FY 2016.
- 6. SUM-SR 619-0.12 Wooster Road (PID #90310)** – revise construction phase to FY 2018.

**WHEREAS**, the AMATS Citizens Involvement Committee held a meeting on July 18, 2013 to review this amendment consistent with its AMATS Public Participation Plan and,

**WHEREAS**, the amendment has been judged to be air quality neutral and is, therefore, excluded from additional regional air quality conformity analysis and,

**WHEREAS**, the environmental justice impacts of this amendment has been considered consistent with “Executive Order 12898 Federal Actions to Address Environmental Justice in Minority Populations and Low Income Populations” and,

**WHEREAS**, this Committee has analyzed this request and found this amendment to be consistent with Transportation Outlook, the Regional Transportation Plan, and with the availability of federal funds forecasted for the AMATS area.

**NOW THEREFORE BE IT RESOLVED:**

1. That this Committee amends the Transportation Improvement Program FY 2014-2017 as previously specified.
2. That this Committee considers the Citizens Involvement Committee meeting held on July 18, 2013 as adequately providing for public involvement.
3. That this Committee affirms that sufficient federal funding is expected to be available for the Akron Urbanized Area to maintain financial constraint.
4. That this Committee reaffirms the air quality conformity determination of Transportation Outlook, the Regional Transportation Plan.
5. That this Committee affirms conformity with environmental justice requirements.
6. That this Committee affirms consistency with Transportation Outlook, the Regional Transportation Plan.
7. That this Committee authorizes the Staff to provide copies of this Resolution to the appropriate agencies as evidence of action by the Metropolitan Planning Organization.

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Connie Krauss, 2013 Chairwoman  
Metropolitan Transportation Policy Committee

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Date

**AMENDMENT # 3 - 7/24/13**  
**AMATS TRANSPORTATION IMPROVEMENT PROGRAM FY 2014-2017**  
**TABLE H-3**  
**HIGHWAY IMPROVEMENTS**

MAP	PID #	CO-RTE -SECTION	LENGTH miles	LOCATION & TERMINI	TYPE OF WORK	FUND TYPE	P H A S E					TOTAL PROJECT COST (\$000)	PROJECT SPONSOR	AIR QUALITY STATUS
								2014	2015	2016	2017			
37	86154	<b>SUM-AKRON CLEVELAND RD</b>  (Revise Funding)	0.01	BOSTON HEIGHTS AKRON-CLEVELAND RD BRIDGE OVER METROPARKS TRAIL	BRIDGE REPLACEMENT	BR LOCAL DISC BR LOCAL	R R R C C	480.0 120.0 75.0 2,500.0 1,138.0				4,313.0	BOSTON HEIGHTS	EXEMPT
	96292	<b>SUM-GHENT HISTORIC DISTRICT WAYSIDE</b>  (New Project)	0.01	BATH TOWNSHIP NEAR INTERSECTION OF CLEVELAND MASSILLON RD AND GRAINGER RD	CONSTRUCTION OF ENTRANCE SIGN GRAVEL DRIVE, PARKING AREA SHELTER RESTROOMS	DISC LOCAL DISC LOCAL	P P C C	12.0 3.0  138.6 34.6				188.3	BATH TOWNSHIP	EXEMPT
	96359	<b>SUM-WATERLOO RD-08.44 (CR 15)</b>  (New Project)	0.01	AKRON WATERLOO RD AT ARLINGTON ST INTERSECTION	INTERSECTION IMPROVEMENT REMOVAL OF RIGHT TURN SLIP RAMPS EXTENSION OF MEDIANS	HSIP LOCAL HSIP LOCAL	P P C C	67.5 7.5  663.3 73.7				812.0	AKRON	EXEMPT
	95831	<b>SUM-IR 76-10.95 (Akron Beltway Study) Study)</b>  (New Project)	12.66	AKRON, COVENTRY TOWNSHIP IR 76, IR 77, IR 277, SR 8	STUDY SYSTEM INTERCHANGES INVESTIGATE IMPROVEMENTS TO OPTIMIZE OVERALL TRAFFIC FLOW	IM STATE	P P	14,400.0 1,600.0				16,000.0	ODOT	EXEMPT
	84135	<b>SUM-IR 77-18.34-Slide Repair</b>  (New Project)	0.01	AKRON WHITE POND SOUTHBOUND EXIT RAMP FROM I-77	SLIDE REPAIRS	IM STATE	C C			891.0 99.0		900.0	ODOT	EXEMPT
111	90310	<b>SUM-SR 619-0.12</b> (Wooster Rd)  (Revise Schedule)	0.02	BARBERTON I-76 INTERCHANGE AT WOOSTER RD (SR 619)	INTERCHANGE UPGRADE TURN LANES BRIDGE WIDENING SIGNALIZATION	HSIP LOCAL STP-A LOCAL STP-A HSIP LOCAL	P P R R G C C	99.9 11.1  256.0 64.0  735.6 493.4			1,538.0	3,606.0	BARBERTON ODOT	EXEMPT

Resolution 2013-12