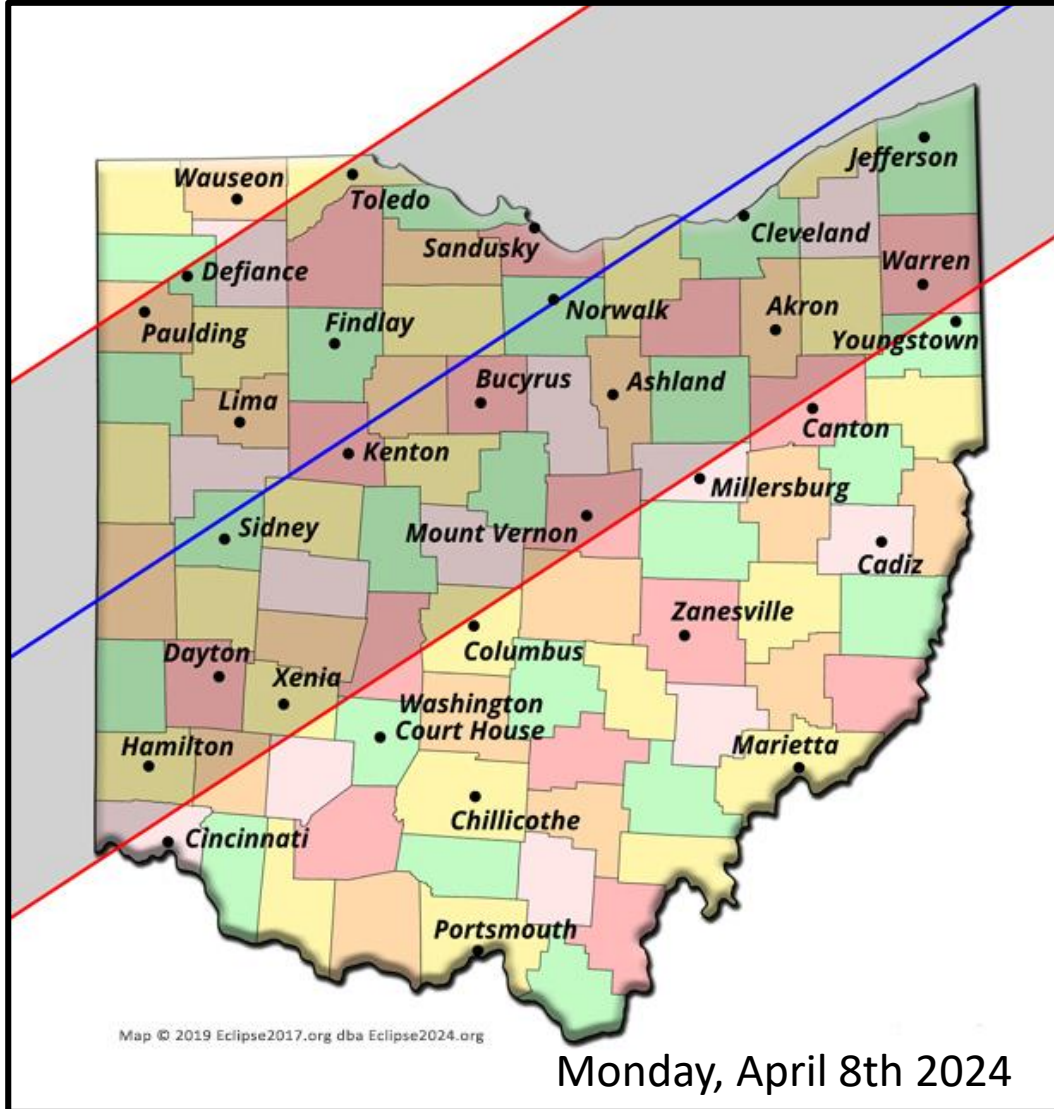




# Eclipse Planning Meeting

March 6<sup>th</sup>, 2024

Emergency Management Agency





# Agenda

*Emergency Management Agency*

- **Eclipse Details**
- **Weather**
- **Events**
- **Operating Status Updates**
- **Visitor Estimates and Traffic**
- **Incident Action Planning**
  - **Resource Availability**
  - **Severe Weather Dispatching Protocol**
  - **Communications**
- **Stakeholder Updates**
- **Final Comments**



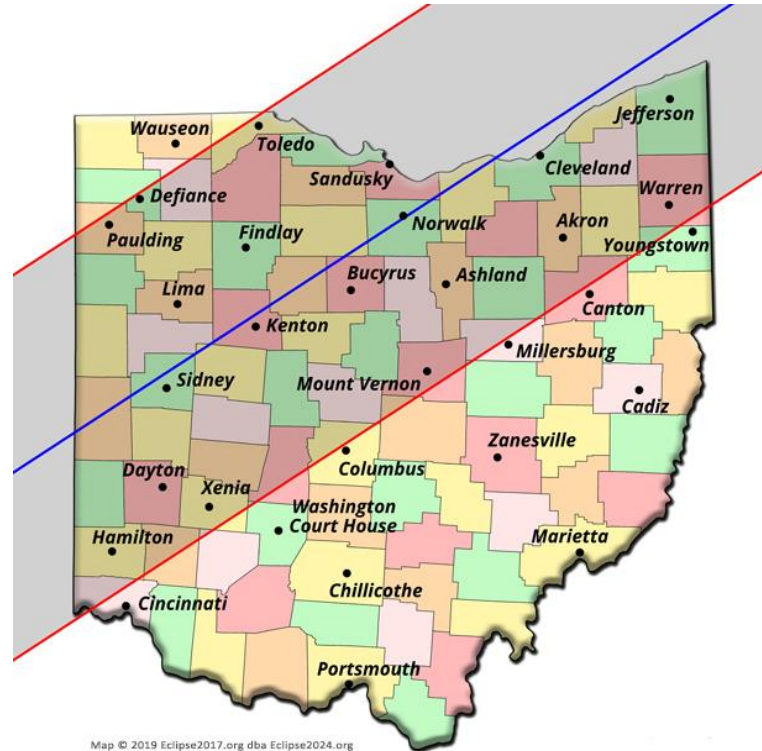
# Total Solar Eclipse

## Monday, April 8<sup>th</sup> 2024

Emergency Management Agency



	Partial Begins	Totality Begins	Totality Duration	Partial Ends
Sidney	1:54 pm	3:09:23	3m 52s	4:25 pm
Piqua		3:09:12	3m 46s	
Troy		3:09:17	3m 34s	
Tipp		3:09:22	3m 21s	
Dayton		3:09:30	2m 42s	



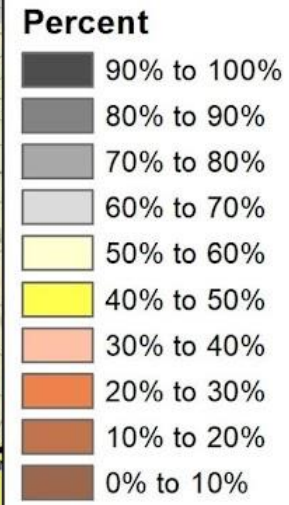
Map © 2019 Eclipse2017.org dba Eclipse2024.org

Approved Filters (eclipse glasses or hand-held viewers)

- Must meet the ISO 12312-2 international standard
- Go to the American Astronomical Society webpage for approved filters: <https://eclipse.aas.org/resources/solar-filters>.

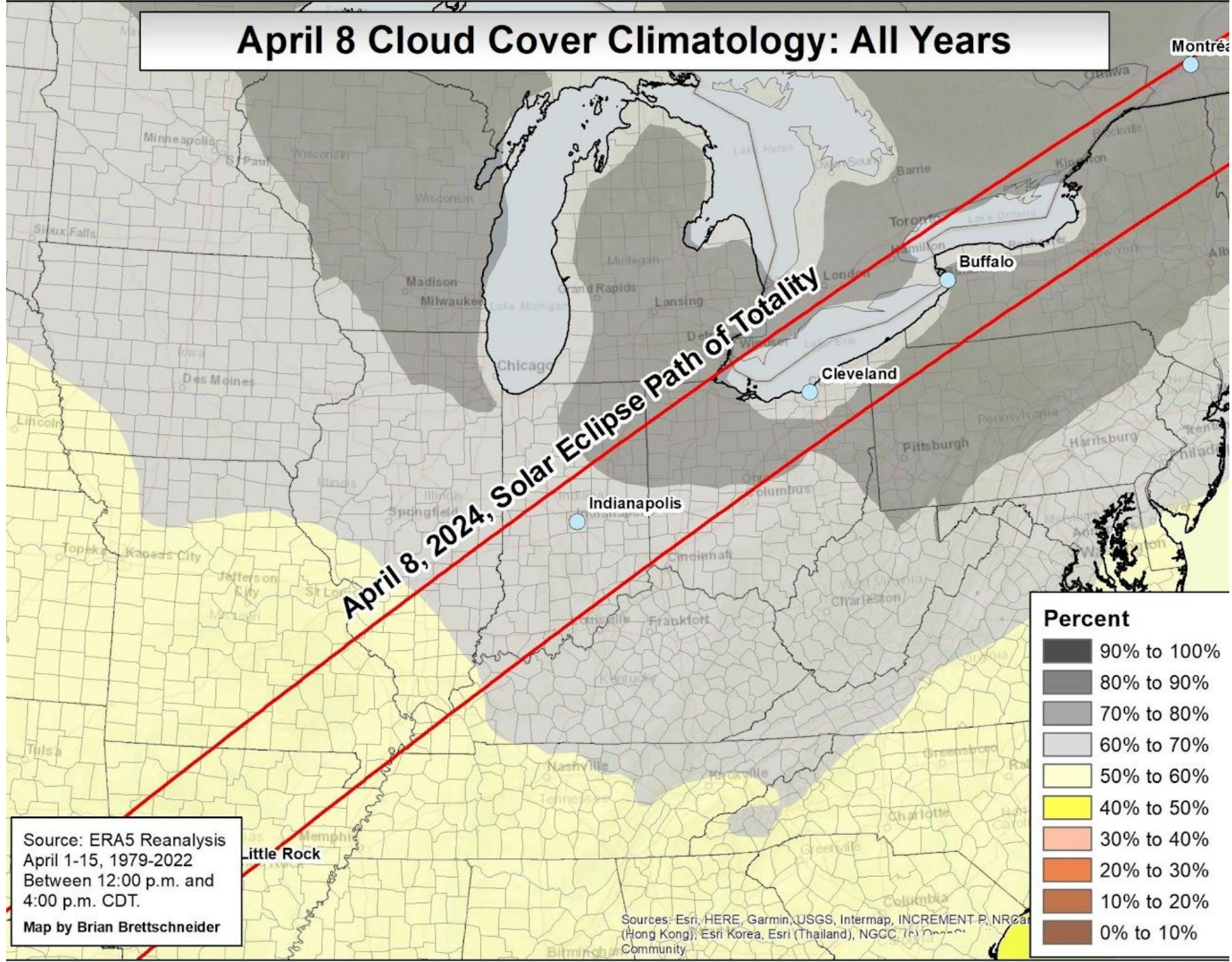
# April 8 Cloud Cover Climatology: All Years

April 8, 2024, Solar Eclipse Path of Totality



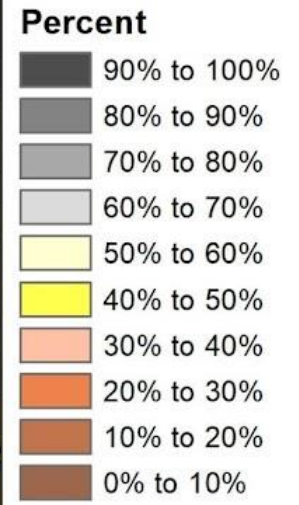
Source: ERA5 Reanalysis  
April 1-15, 1979-2022  
Between 12:00 p.m. and  
4:00 p.m. CDT.  
Map by Brian Brettschneider

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCA  
(Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap  
Community



# April 8 Cloud Cover Climatology: El Nino Years

April 8, 2024, Solar Eclipse Path of Totality



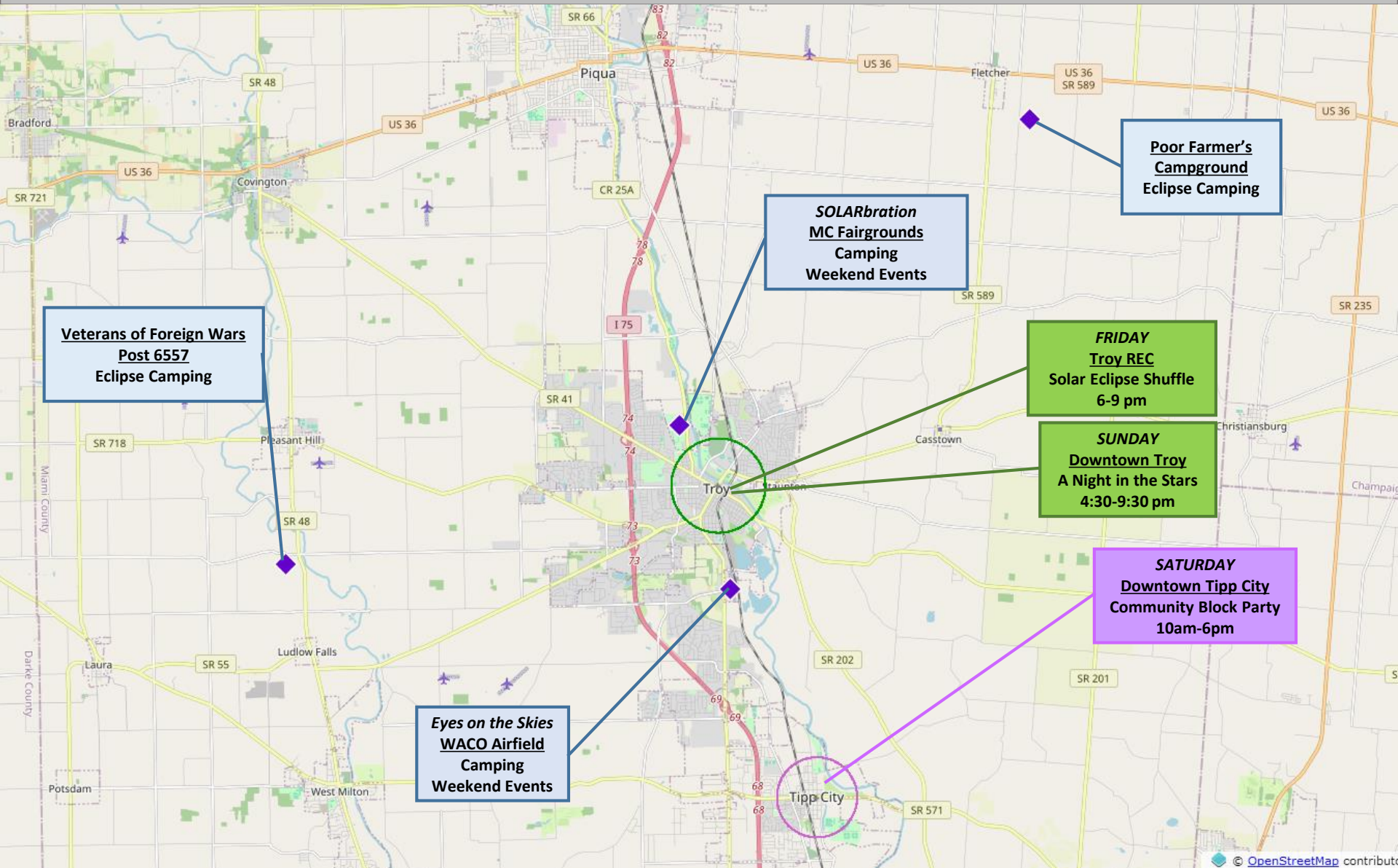
Source: ERA5 Reanalysis  
April 1-15, 1979-2022  
Between 12:00 p.m. and  
4:00 p.m. CDT.

Map by Brian Brettschneider

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



# Eclipse Events, Weekend



**Veterans of Foreign Wars  
Post 6557  
Eclipse Camping**

**Eyes on the Skies  
WACO Airfield  
Camping  
Weekend Events**

**SOLARbration  
MC Fairgrounds  
Camping  
Weekend Events**

**Poor Farmer's  
Campground  
Eclipse Camping**

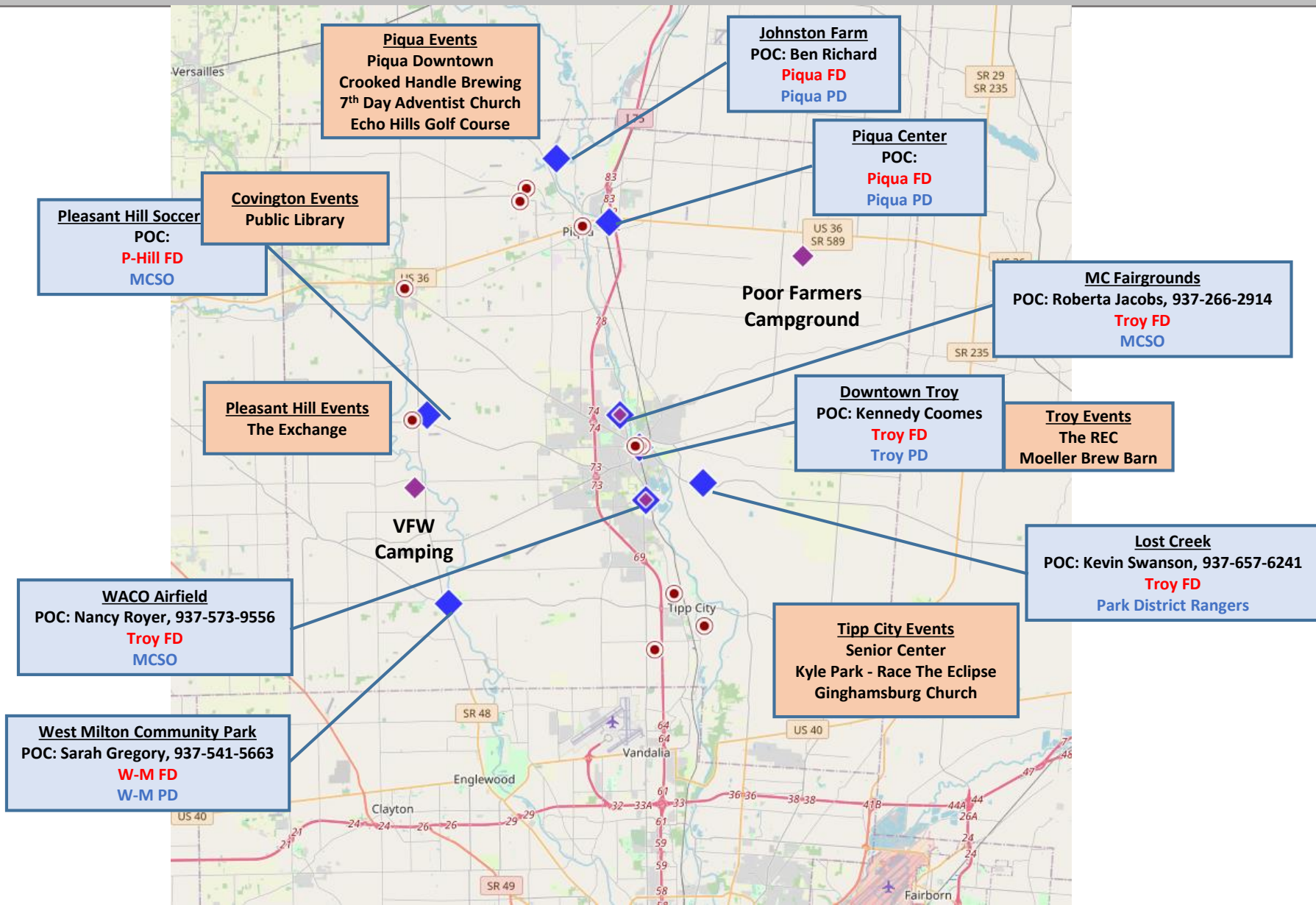
**FRIDAY  
Troy REC  
Solar Eclipse Shuffle  
6-9 pm**

**SUNDAY  
Downtown Troy  
A Night in the Stars  
4:30-9:30 pm**

**SATURDAY  
Downtown Tipp City  
Community Block Party  
10am-6pm**



# Eclipse Events, April 8<sup>th</sup>





# Operating Status

Monday, April 8<sup>th</sup>

*Emergency Management Agency*

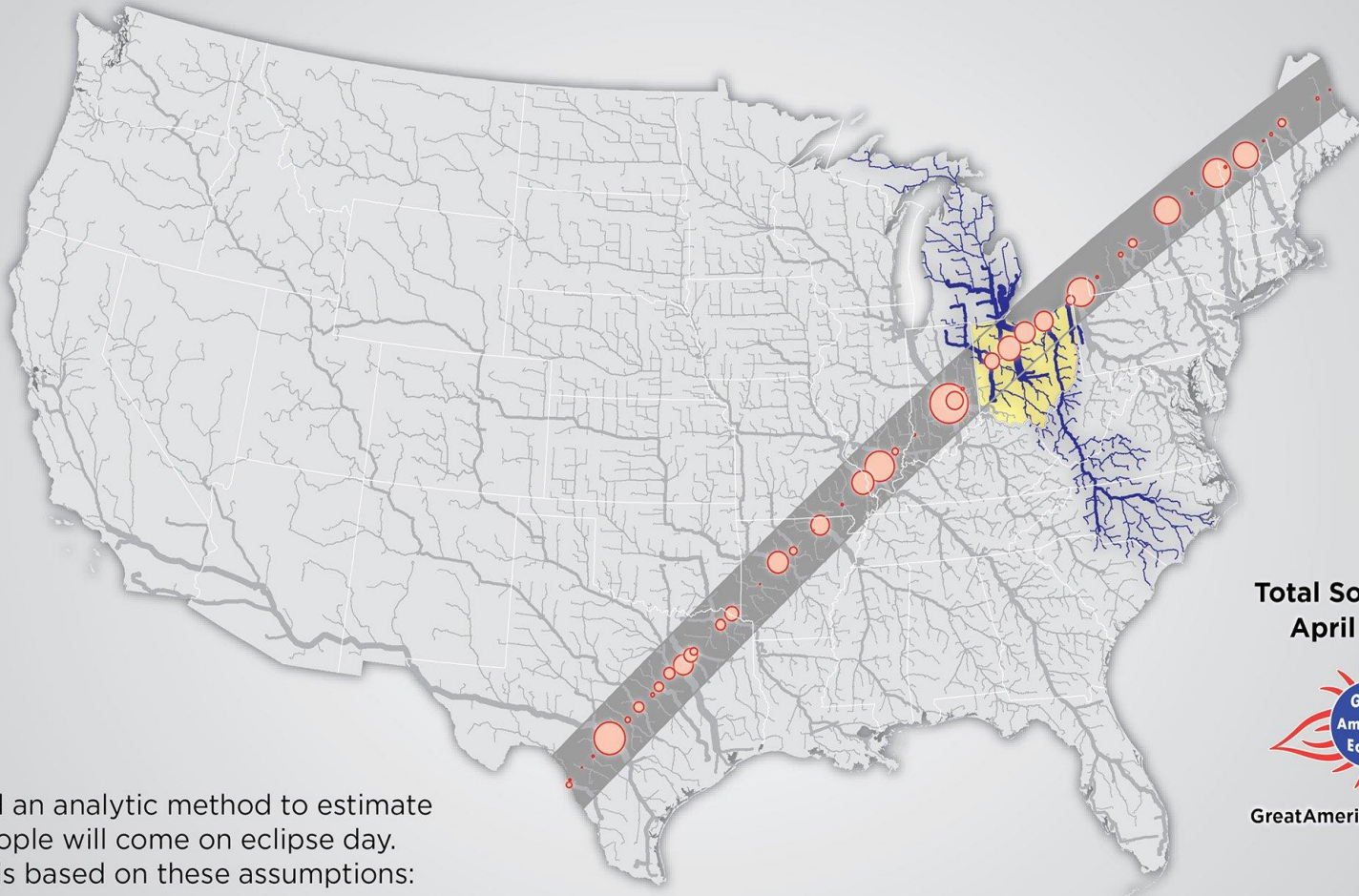
School / District	Operating Status
Bethel	Closed
Bradford	Closed
Covington	Closed
Miami East	Closed
Milton-Union	Closed
Newton	Closed
Piqua	Closed
Tipp City	Closed
Troy	Closed
Troy Christian	Closed
Miami Montessori	Closed
Nicholas School	Closed
Piqua Catholic	Closed
St. Patrick's	Closed
Upper Valley CC	Closed
Edison State	Closed

- Most Miami County government offices **CLOSED**
  - Exceptions: Sheriff, MCCC, EMA
- No-change to CSX operating schedule



## How many people will go see the Great American Eclipse in Ohio?

A total solar eclipse crosses North America on April 8, 2024. This is easily the most beautiful sight you will see in the sky! Try to arrive early and stay late to beat heavy traffic.



Total Solar Eclipse  
April 8, 2024



GreatAmericanEclipse.com

We've applied an analytic method to estimate how many people will come on eclipse day. The estimate is based on these assumptions:

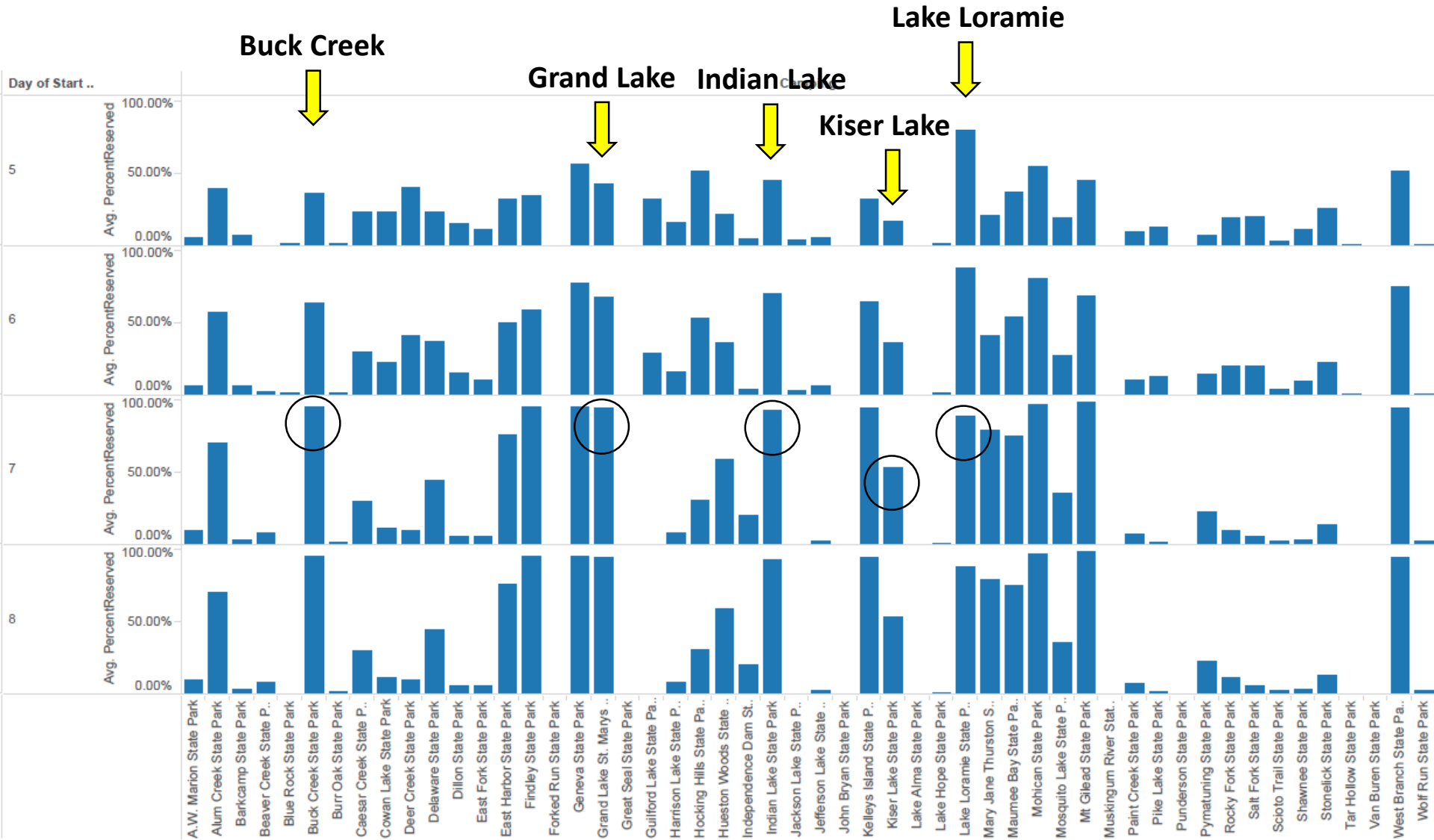
- People nearby are more likely to drive to the path of total solar eclipse than people far away.
- People will take the shortest drive to the closest destination in the path of totality.

Learn about the details of our model at [greatamericaneclipse.com/statistics](https://greatamericaneclipse.com/statistics)

**Low estimate of eclipse visitors to Ohio: 139,000**  
**High estimate of eclipse visitors to Ohio: 556,000**  
**People in Ohio living inside the path: 7,275,000**



# Ohio State Campgrounds



**22 campsites remaining at Poor Farmers Campground**



# Visitor Estimates

*Emergency Management Agency*

- **1,040 hotels rooms in 14 hotels** **1,040 x 2.5 = 2,600**
- **Reservation: Sun, Apr 7<sup>th</sup> to Tues, Apr 9<sup>th</sup>**
  - Troy: 6 of 10 hotels no vacancy
  - Piqua: 2 of 2 hotels no vacancy
  - Tipp City: 1 of 2 hotels no vacancy

- **Camping** **575 x 3 + 1,725**
  - 250 spots at Poor Farmers
  - 75 spots at WACO Airfield
  - 200 spots at Fairgrounds
  - **50 spots Pleasant Hill VFW**

- **Overnighters with friends and family** **~ 1,500**
- **Day-trippers** **~ 4,000**

**~ 9,825**

*(556,000 / 35 counties in Totality = 15,885)*



# ODOT Traffic Analysis

<https://gis3.dot.state.oh.us/EclipseTraffic>

**Scenario 1 estimates 150,000 visitors.**

**Scenario 2 estimates 350,000 visitors.**

**Scenario 3 estimates 575,000 visitors.**

**Scenario 4 estimates 575,000 visitors plus 50,000 extra to Hancock & Hardin counties.**

## Percent Change

Comparison of normal traffic and estimated traffic on the day the eclipse, represented as a percentage.

- Decrease or No Change
- Up to 100% Increase
- Up to 500% Increase
- Over 500% Increase

## Exceeds Best Capacity

Areas where the segment's best capacity may be exceeded during any hour of the day. Best Capacity is the maximum number of vehicles that can be accommodated if all the traffic that wants to use that highway segment is able to exit that segment and move on to the next highway segment.



## Volume to Capacity Ratio

V/C ratio represents the road's level of service. Generally, if the segment is red, then fewer cars will be able to use the highway segment. Segments that are black may be fully blocked and no traffic will be able to move across the highway segment.

In the Compare Daily Volumes maps, a drop shadow indicates an increase in traffic on the day of the eclipse.

- < 0.26
- < 0.42
- < 0.65
- < 0.8
- < 1
- > 1



Eclipse Path of Totality



Eclipse Centerline of Totality

# Scenario 4: 575k plus 50k visitors

# Daily % Change

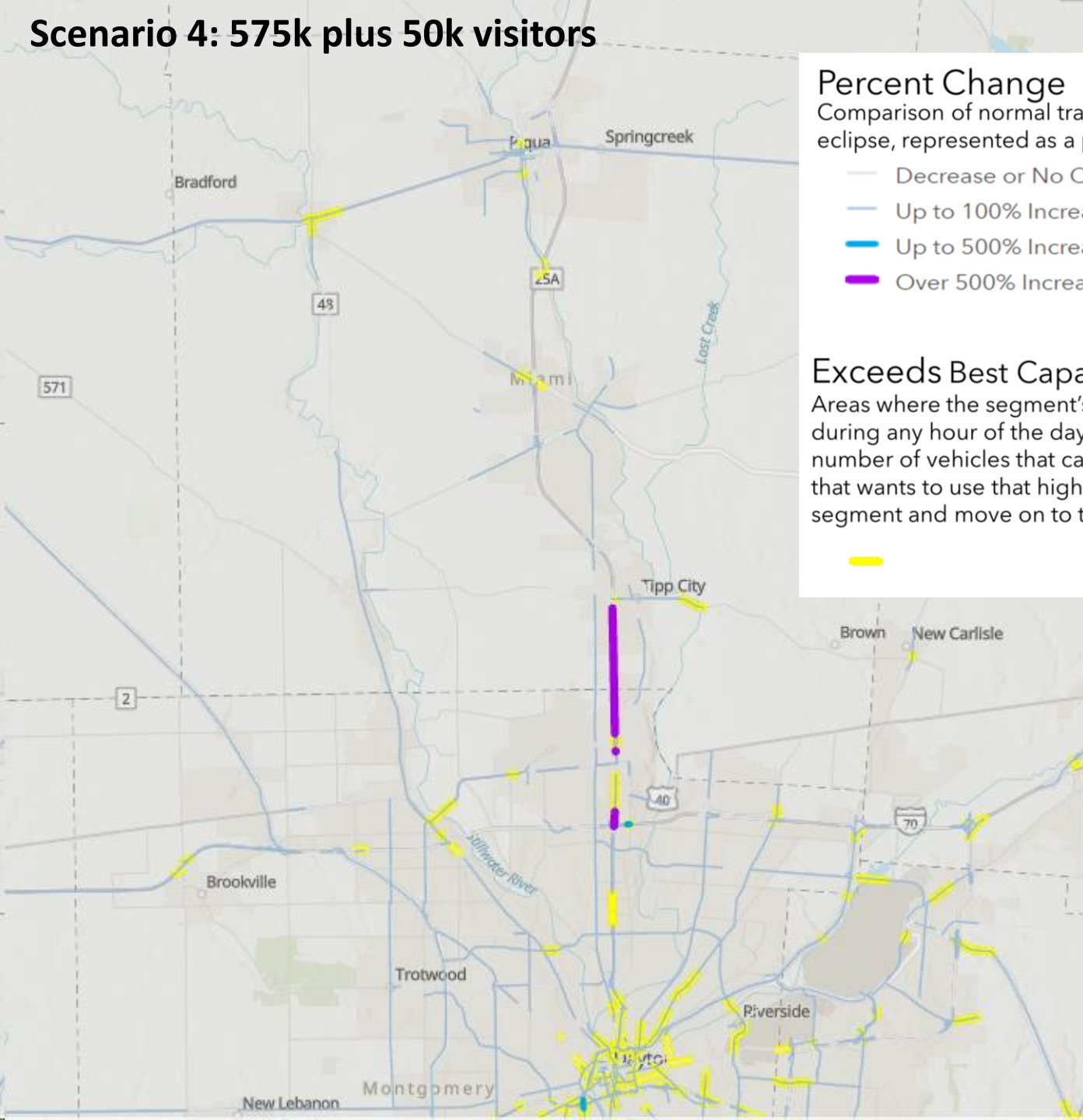
## Percent Change

Comparison of normal traffic and estimated traffic on the day the eclipse, represented as a percentage.

- Decrease or No Change
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- Over 500% Increase

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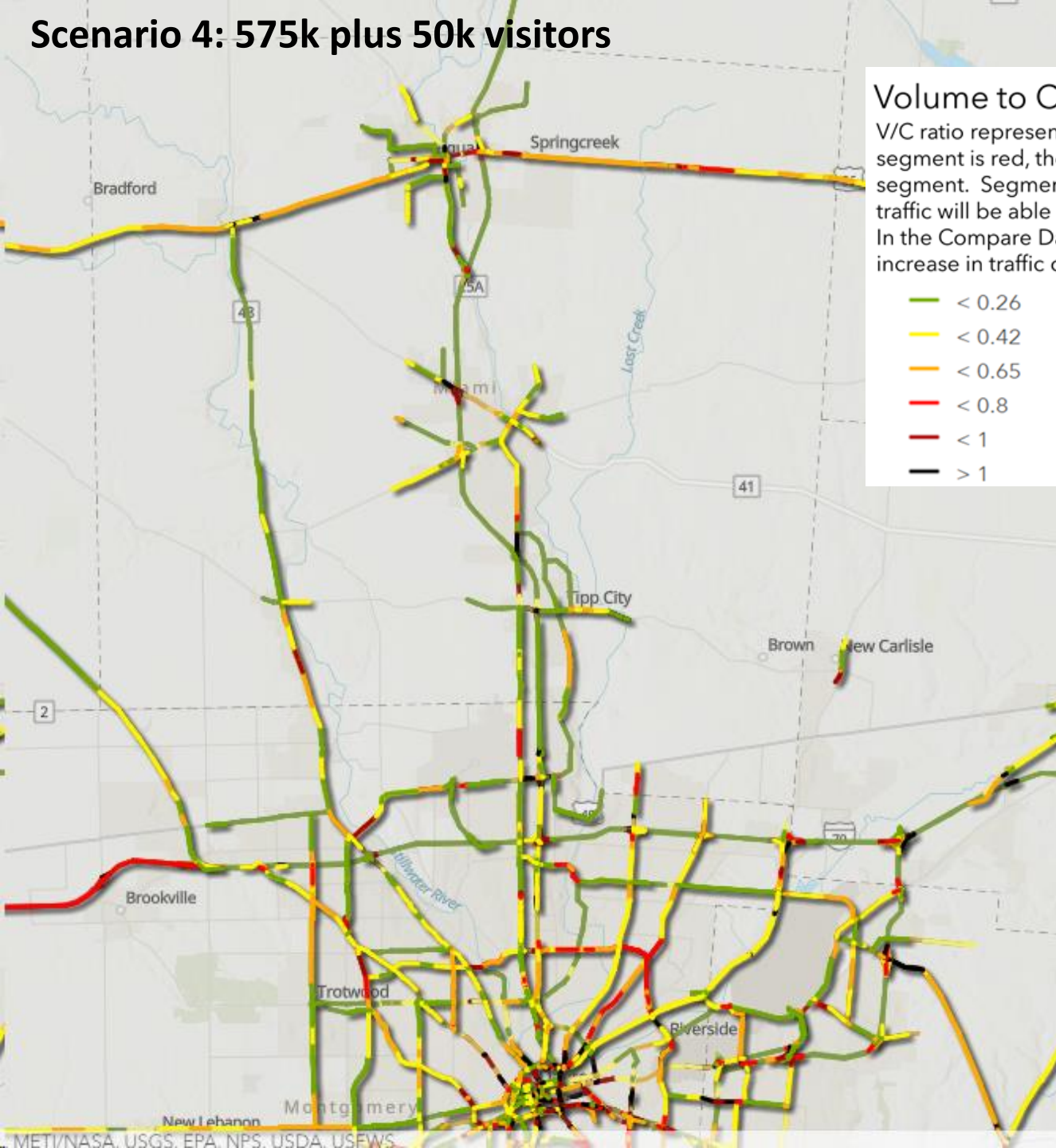
# Scenario 4: 575k plus 50k visitors

# Compare Daily Volumes

## Volume to Capacity Ratio

V/C ratio represents the road's level of service. Generally, if the segment is red, then fewer cars will be able to use the highway segment. Segments that are black may be fully blocked and no traffic will be able to move across the highway segment. In the Compare Daily Volumes maps, a drop shadow indicates an increase in traffic on the day of the eclipse.

- < 0.26
- < 0.42
- < 0.65
- < 0.8
- < 1
- > 1





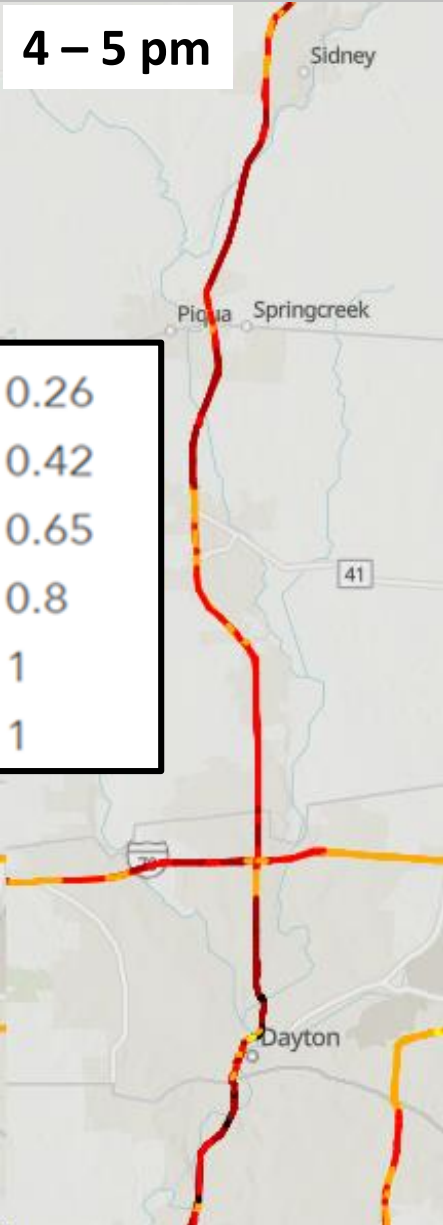
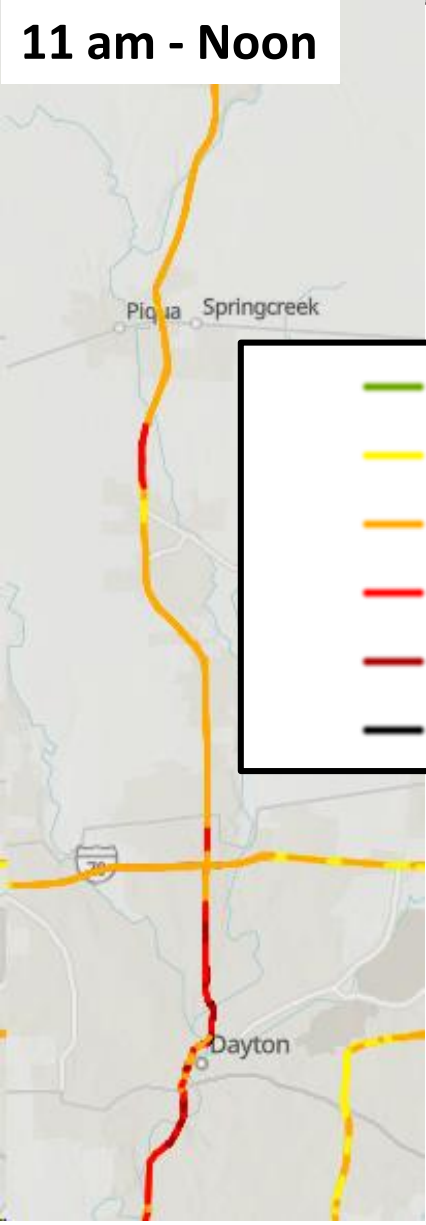
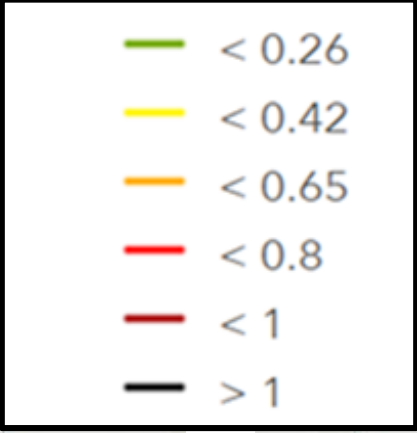
# Volume to Capacity Ratio, April 8<sup>th</sup> (High Estimate - 625,000 visitors to Ohio)

11 am - Noon

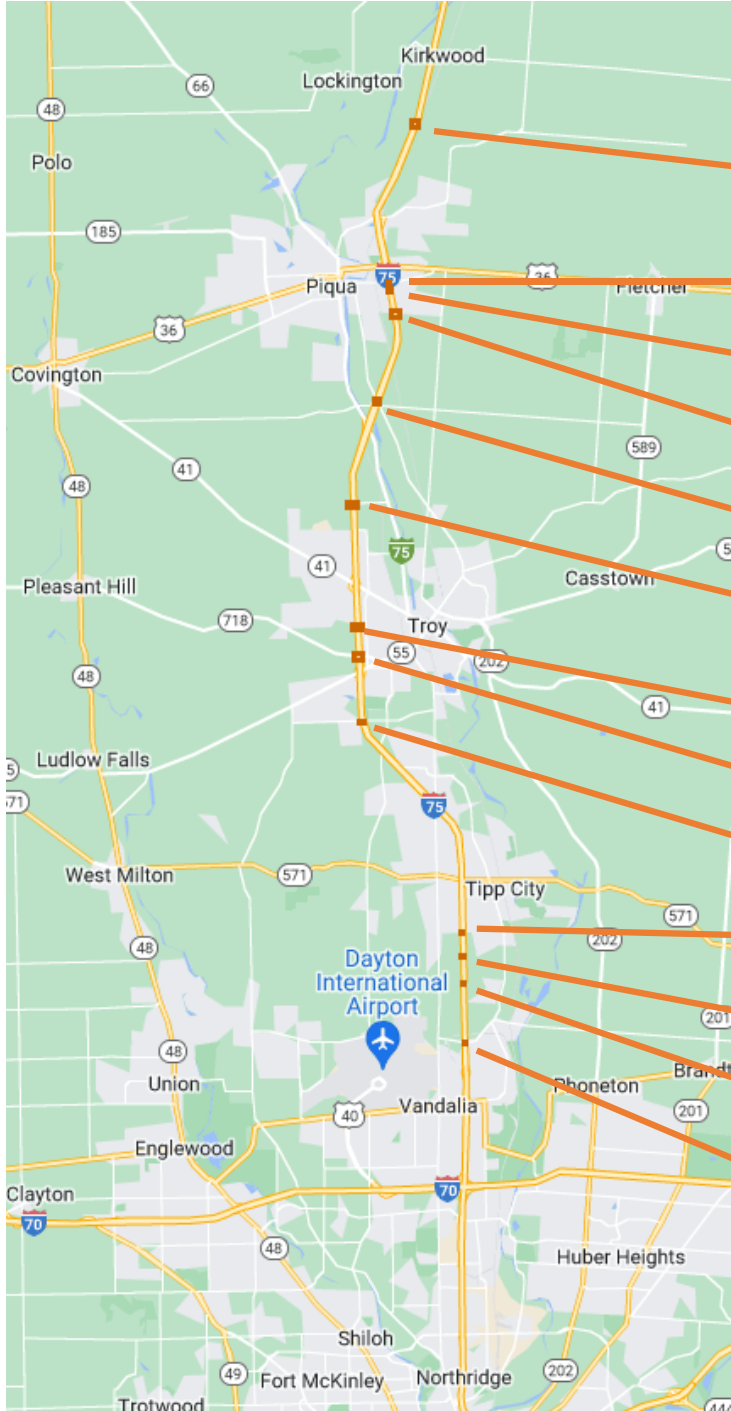
4 - 5 pm

6 - 7 pm

7 - 8 pm



# I-75 Over/Under Pass



West Miami-Shelby Road

Garbry Road

Patrizio Place- Looney Road

West Statler Road

Piqua-Troy Road

Eldean Road

McKaig Avenue

Arthur Road

Swailles Road

Evanston Road

East Shoop Road

Ginghamsburg Road

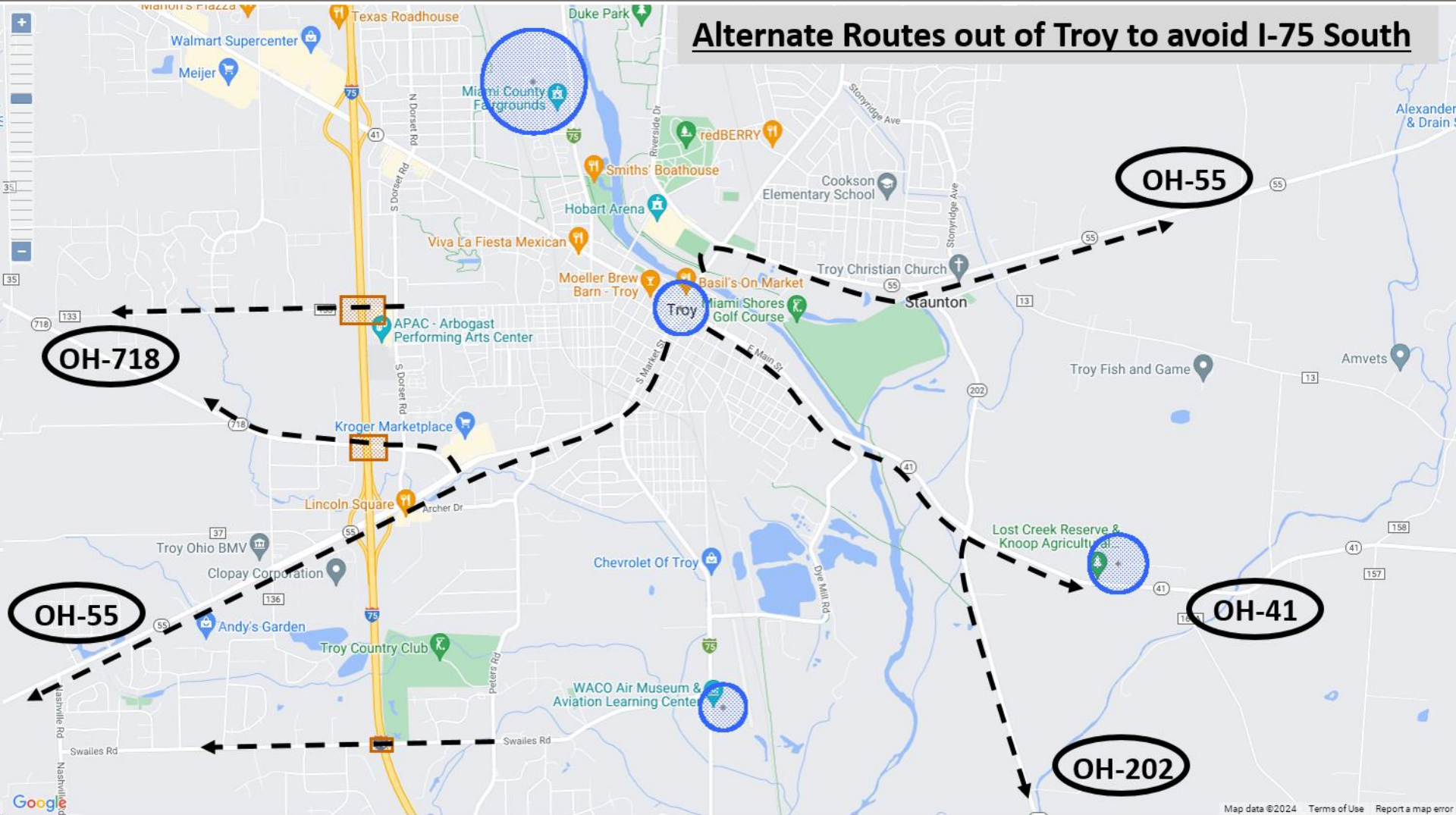
Old Springfield Road





# Event Egress Handouts

## Alternate Routes out of Troy to avoid I-75 South

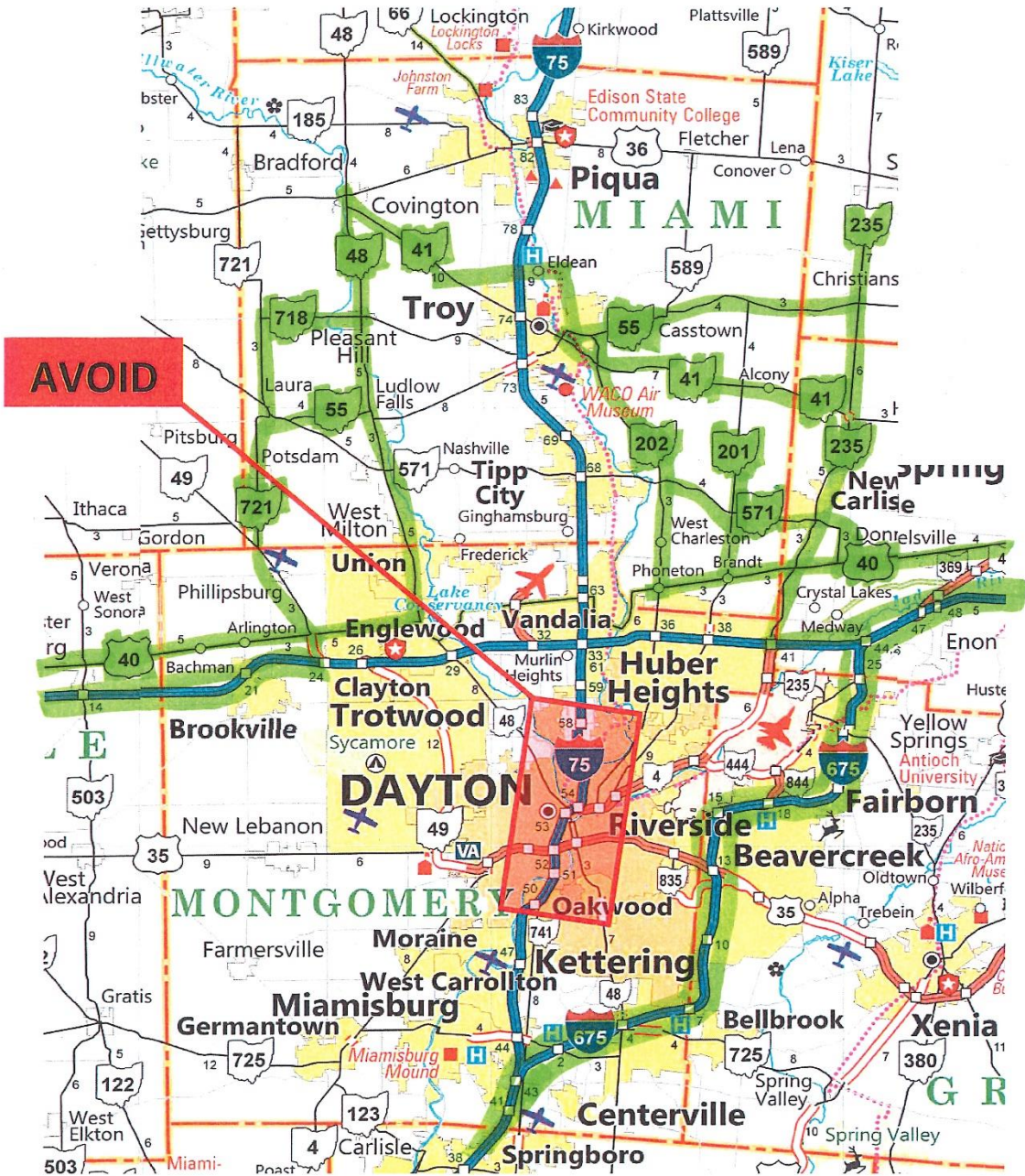


I-75 Overpass



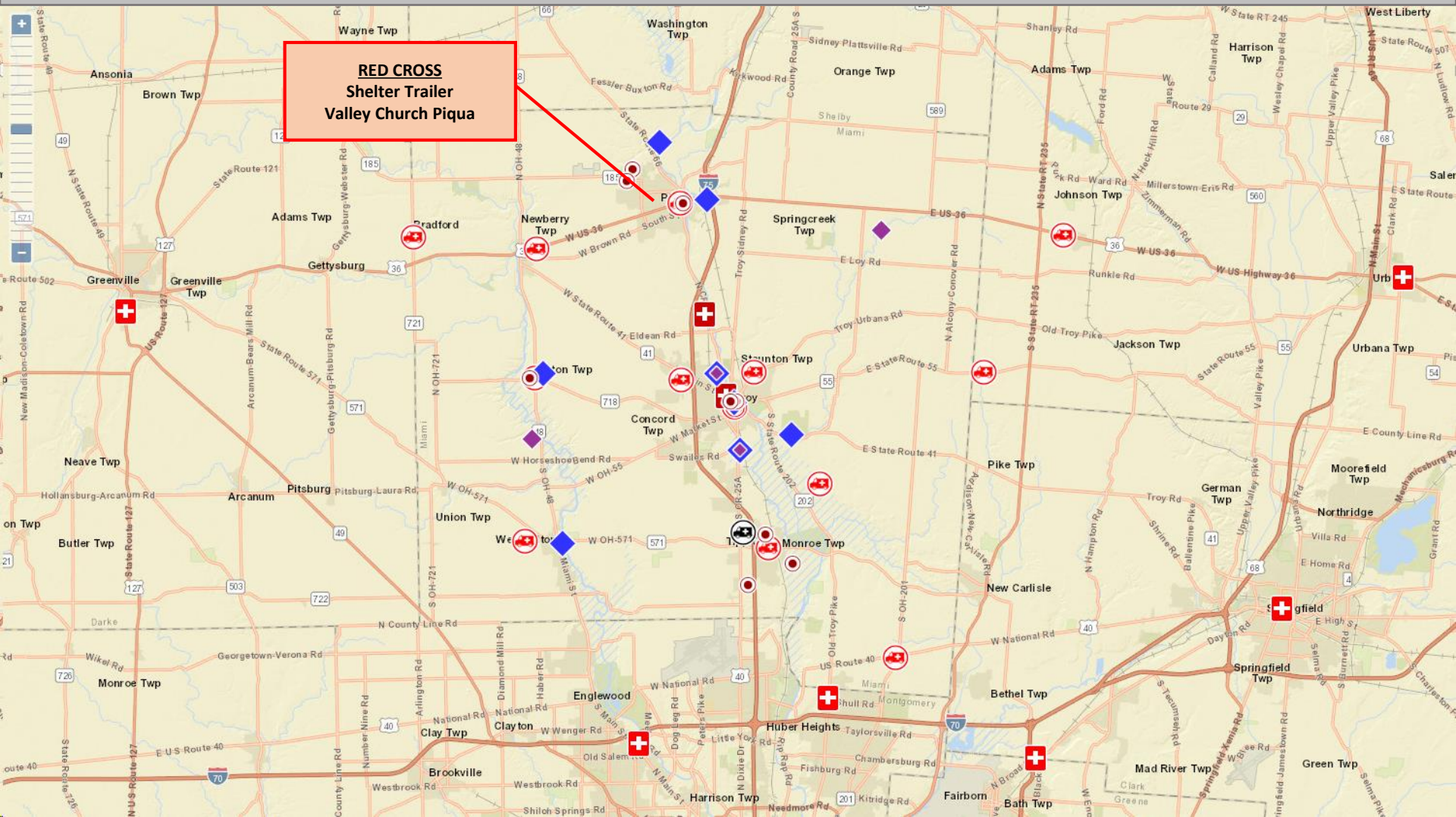
Organized Eclipse Events

# Alternate Routes South Out of Miami County





# Resource Availability



**RED CROSS**  
Shelter Trailer  
Valley Church Piqua



**EMS Asset**



**Staged Asset**



**ER / Hospital**

 **Major Eclipse Event**

 **Camping**

 **Other Event**



# Severe Weather Protocol

Storm Protocol – iteration 1.0 :

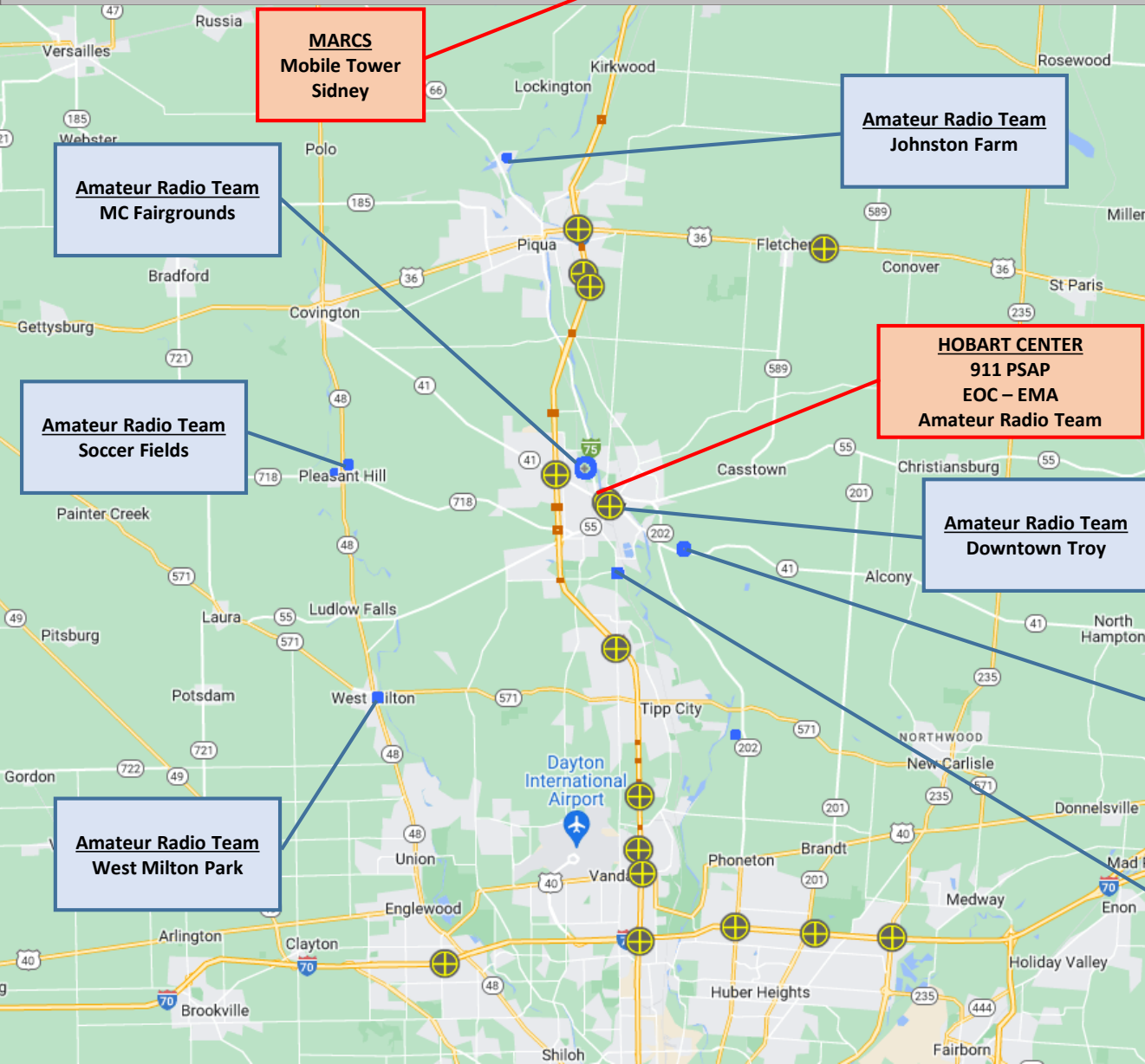
This protocol will be practiced on March 20th from 0900-1500 by Troy, Ludlow Falls, and Fletcher FD's

On 4-8-24 from 1200-1800 MCCC will be on a Storm Protocol:

1. MCCC receives calls for service
  - a. Purvis is OFF
2. The call will be broadcast via voice on 55FireEMS-1 to the station that is responsible
3. The responsible person at each station will Triage the call for service
4. The responsible person at each station will assign a unit & equipment or place the call in a hold status
5. The call for service will then be dispatched as usual
6. Departments will operate on the departments OPS talk group, on MDT's and/or manual tracking
  - a. Avoid using 55FireEMS-1
  - b. TAC 52-59 is available

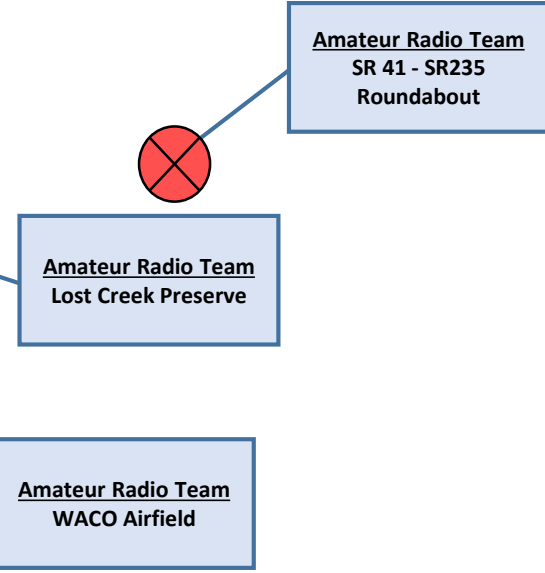


# Communications



## EOC Situational Awareness

- Virtual EOC Webex Room (Noon – 6PM)
- Regional MS Teams Room
- NWS Slack Channel
- EMResource/EMTrack





# Information Needs

**Information needed:**

- Agency
- Shift supervisor
- Phone Number

## INCIDENT RADIO COMMUNICATIONS PLAN (ICS 205)

<b>1. Incident Name:</b> Miami County Eclipse 2024	<b>2. Date/Time Prepared:</b> Date: 02/08/2024 Time: N/A	<b>3. Operational Period:</b> Date From: 04/08/2024 Time From: 00:01
---	--	--

4. Basic Radio Channel Use:										
Zone Grp.	Ch #	Function	Channel Name/Trunked Radio System Talk group	Assignment	RX Freq N or W	RX Tone/NAC	TX Freq N or W	TX Tone/NAC	Mode (A, D, or M)	Remarks
1	1	Dispatch	55FIREEMS-1	Dispatch	800 MHz					Dispatch/Fire/EMS main channel
1		TAC	55TAC-52	Command/Dispatch	800 MHz					Can be assigned for incident
1		TAC	55TAC-53	Command/Dispatch	800 MHz					Can be assigned for incident
1		TAC	55TAC-54	Command/Dispatch	800 MHz					Can be assigned for incident
1		TAC	55TAC-55/56/57/58	Command/Dispatch	800 MHz					Can be assigned for incident
1		Information Sharing	55PUB-SFTY	EMA/FIRE/EMS/LEO	800 MHz					General Information Sharing (i.e. Traffic, Hospital Re-Routs)
		Law Enforcement	55LE-1	LEO	800 MHz					Main Dispatch for LEO
		Law Enforcement	55LE-2	LEO	800 MHz					Secondary Dispatch for LEO When LE-1 utilized for incident

**5. Special Instructions:**

- EMA along with dispatch will be utilizing 55PUB-SFTY for general information and updates such as traffic backups and if a hospital has issued Re-Routes. It is suggested you keep at least one radio on scan or on 55PUB-SFTY if possible to get any updates pushed out.
- Continue utilizing your departments OPS channels for internal communication if needed.

\*NOTE: With the recent update to radios, not all outside county mutual aid may have our new template or outline.

- If EOC activated- may need to utilize 55EOC for communication to EMA.

6. Prepared by: Name: Jeffrey Lewis	Rank: EMA Specialist	Signature: _____
ICS 205	IAP Page 13	Date/Time: _____





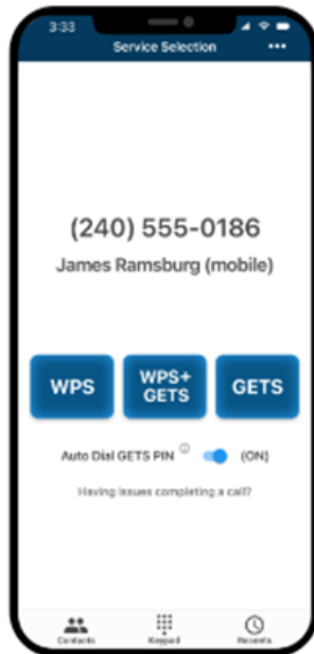
# Priority Telecommunications Services

*Emergency Management Agency*

- Wireless Priority Service (WPS) – priority calling when cellular networks are congested
- Government Emergency Telecommunications Service (GETS) – priority calling when landline networks are congested



PTS Dialer logo



PTS Dialer app



Enroll your agency in  
WPS and GETS

[www.cisa.gov/pts](http://www.cisa.gov/pts)

CISA PTS Center

- (866) 627-2255
- [ecd@cisa.dhs.gov](mailto:ecd@cisa.dhs.gov)



# Wrap Up

Emergency Management Agency

- **Stakeholder Input**
  - State agencies
  - Local jurisdictions
  - Healthcare networks
  - Business, etc.
- **Incident Action Plan: *Draft out for comment, March 15th***
- **Final Meeting: *10AM, Monday, April 1<sup>st</sup>, Communications Center***
- **Comments / Questions?**

<https://www.miamicountysolareclipse.com/>

<https://ema.ohio.gov/media-publications/ohio-total-solar-eclipse>

<https://eclipse2024.org/>