

Attachment I I

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Application materials are also available online at:

<https://www.morpc.org/west-broad-street-brt-corridor-tod/>

COTA FY 2023 TOD Pilot Grant Application

Ridership Calculation

Notes

Current *transit dependent* West Broad
populations in 2019

1,080,163

Source: FTA STOPS model

Total annual linked trips

1,860,472

Source: FTA STOPS model

Total Estimated Ridership

954,000

51.3% of passengers indicated their household income
is below \$25,000 and 49.7% of passengers
do not have a working vehicle in their household
Source: 2018 Central Ohio Transit Authority On-Board Survey

Justice 40 CEQ CEJST Information

Total Census Tracts within study area:	24
Total Census Tracts within study area identified by CEJST as disadvantaged:	14
% of census tracts identified as disadvantaged by CEJST:	58.33%

Total area (sq ft) within 0.5 miles of stations:	252948113.195955
Total area (sq ft) within 0.5 miles of stations and within a CEJST CT:	135182336.728087
% of project area within a disadvantaged CT:	53.44%

Methodology:

1. Using ArcMap, a 0.5 mile buffer was created around the proposed BRT stations, with boundaries set to dissolve into a single land area with a total area listed above .
2. Using ArcMap, this buffer was clipped by a shapefile of CEJST disadvantaged census tracts, and this provided a single land area within disadvantaged census tracts with a total area listed above.
3. Dividing the total area by the area within CEJST disadvantaged communities provided the 53.44%.

CEJST Census Tracts within Study Area

OBJECTID	GEOID10	SF	CF	SN_C
190	39049004620	Ohio	Franklin County	1
221	39049003800	Ohio	Franklin County	1
222	39049005000	Ohio	Franklin County	1
356	39049008241	Ohio	Franklin County	1
375	39049004700	Ohio	Franklin County	1
543	39049008210	Ohio	Franklin County	1
550	39049004500	Ohio	Franklin County	1
601	39049003600	Ohio	Franklin County	1
749	39049008311	Ohio	Franklin County	1
868	39049002900	Ohio	Franklin County	1
869	39049004200	Ohio	Franklin County	1
874	39049008120	Ohio	Franklin County	1
983	39049004900	Ohio	Franklin County	1
1069	39049008230	Ohio	Franklin County	1
304	39049003000	Ohio	Franklin County	0
305	39049004000	Ohio	Franklin County	0
328	39049003200	Ohio	Franklin County	0
329	39049004610	Ohio	Franklin County	0
557	39049008110	Ohio	Franklin County	0
1012	39049004300	Ohio	Franklin County	0
1314	39049008132	Ohio	Franklin County	0
1445	39049008162	Ohio	Franklin County	0
1816	39049008500	Ohio	Franklin County	0
1820	39049008141	Ohio	Franklin County	0

USDOT ETC Census Tracts within Study Area

OBJECTID	trctfp	st	stt	stbbr	cnty	lctn	fnlrnki
1	39049003000	39	Ohio	OH	Franklin	Census Tract 30, Franklin County, Ohio	0
2	39049004001	39	Ohio	OH	Franklin	Census Tract 40.01, Franklin County, Ohio	1
3	39049004002	39	Ohio	OH	Franklin	Census Tract 40.02, Franklin County, Ohio	1
4	39049004200	39	Ohio	OH	Franklin	Census Tract 42, Franklin County, Ohio	1
5	39049004302	39	Ohio	OH	Franklin	Census Tract 43.02, Franklin County, Ohio	1
6	39049004500	39	Ohio	OH	Franklin	Census Tract 45, Franklin County, Ohio	1
7	39049004610	39	Ohio	OH	Franklin	Census Tract 46.10, Franklin County, Ohio	0
8	39049004620	39	Ohio	OH	Franklin	Census Tract 46.20, Franklin County, Ohio	1
9	39049004700	39	Ohio	OH	Franklin	Census Tract 47, Franklin County, Ohio	1
10	39049004900	39	Ohio	OH	Franklin	Census Tract 49, Franklin County, Ohio	1
11	39049005001	39	Ohio	OH	Franklin	Census Tract 50.01, Franklin County, Ohio	1
12	39049005002	39	Ohio	OH	Franklin	Census Tract 50.02, Franklin County, Ohio	1
13	39049008110	39	Ohio	OH	Franklin	Census Tract 81.10, Franklin County, Ohio	1
14	39049008120	39	Ohio	OH	Franklin	Census Tract 81.20, Franklin County, Ohio	1
15	39049008132	39	Ohio	OH	Franklin	Census Tract 81.32, Franklin County, Ohio	0
16	39049008165	39	Ohio	OH	Franklin	Census Tract 81.65, Franklin County, Ohio	1
17	39049008166	39	Ohio	OH	Franklin	Census Tract 81.66, Franklin County, Ohio	0
18	39049008170	39	Ohio	OH	Franklin	Census Tract 81.70, Franklin County, Ohio	0
19	39049008210	39	Ohio	OH	Franklin	Census Tract 82.10, Franklin County, Ohio	1
20	39049008230	39	Ohio	OH	Franklin	Census Tract 82.30, Franklin County, Ohio	1
21	39049008311	39	Ohio	OH	Franklin	Census Tract 83.11, Franklin County, Ohio	1
56	39049003200	39	Ohio	OH	Franklin	Census Tract 32, Franklin County, Ohio	0
57	39049003600	39	Ohio	OH	Franklin	Census Tract 36, Franklin County, Ohio	1
59	39049003800	39	Ohio	OH	Franklin	Census Tract 38, Franklin County, Ohio	0

2018 Central Ohio Transit Authority On-Board Survey

FINAL REPORT
MARCH 2019



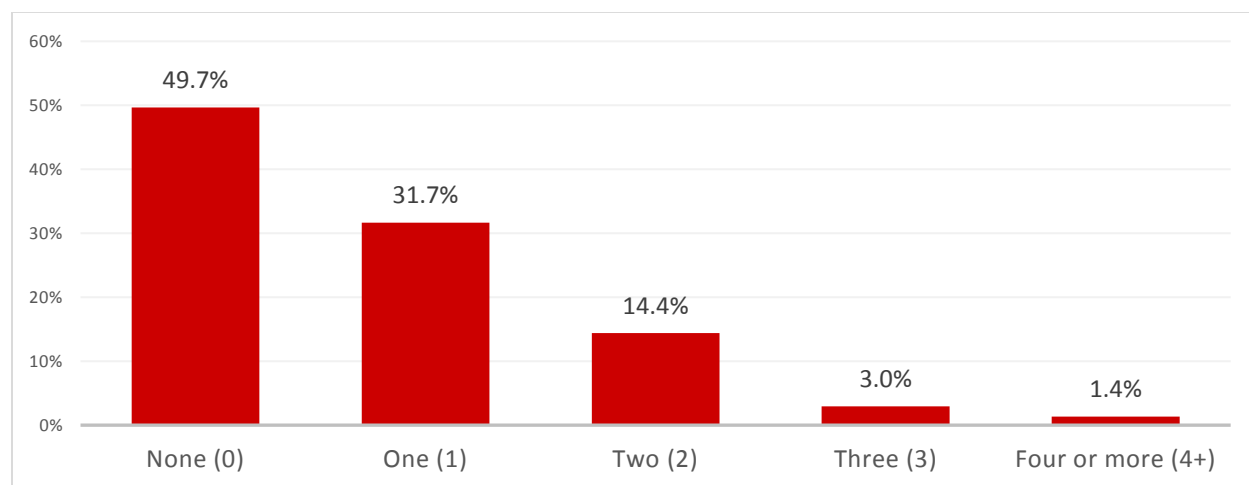
Prepared for The Central
Ohio Transit Authority
(COTA) by ETC Institute in
association with CTG

HOUSEHOLD DEMOGRAPHICS

HOW MANY WORKING VEHICLES (CARS, TRUCKS, OR MOTORCYCLES) ARE AVAILABLE TO YOUR HOUSEHOLD?

Table 1-11 shows the number of household vehicles for COTA Passengers' household. Almost half (49.7 percent) of COTA Passengers indicated they are without a working vehicle in their household, compared to 31.7 percent of Passengers with one working vehicle in their household, and 18.8 percent of Passengers with two or more working vehicles in their household as shown in Table 1-11. Of those Passengers whom indicated they have a vehicle in their household, majority (53.8 percent) indicated their vehicle wasn't available for this one-way trip.

Table 1-11: How many working vehicles (cars, trucks, or motorcycles) are available to your household? (Includes Residents Only)



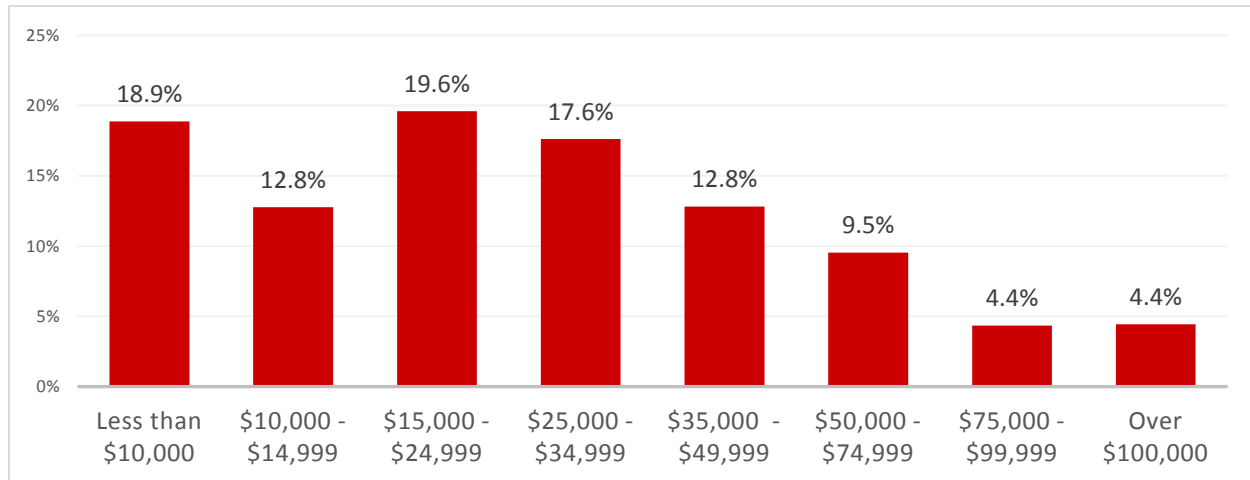
	Frequent	Standard	Rush Hour-Only	Grand Total
None (0)	51.6%	50.0%	11.2%	49.7%
One (1)	32.0%	31.1%	29.0%	31.7%
Two (2)	12.7%	14.9%	41.0%	14.4%
Three (3)	2.5%	2.8%	12.6%	3.0%
Four or more (4+)	1.2%	1.2%	6.2%	1.4%
Grand Total	100.0%	100.0%	100.0%	100.0%

	CBUS	CMAx
None (0)	38.0%	51.0%
One (1)	31.0%	34.9%
Two (2)	23.3%	9.8%
Three (3)	5.4%	2.1%
Four or more (4+)	2.3%	2.2%
Grand Total	100.0%	100.0%

WHICH OF THE FOLLOWING BEST DESCRIBES YOUR TOTAL ANNUAL HOUSEHOLD INCOME IN 2017 BEFORE TAXES?

Table 1-14 shows the Total Annual Household Income for COTA Passengers' household. Over half (51.3 percent) of COTA Passengers indicated their household income is below "\$25,000", compared to 39.9 percent of COTA Passengers with household income between "\$25,000 - \$75,000", and 8.8 percent of COTA Passengers with household income of "\$75,000 or more".

Table 1-14: Which of the following BEST describes your TOTAL ANNUAL HOUSEHOLD INCOME in 2017 before taxes? (excluding don't know/no response)

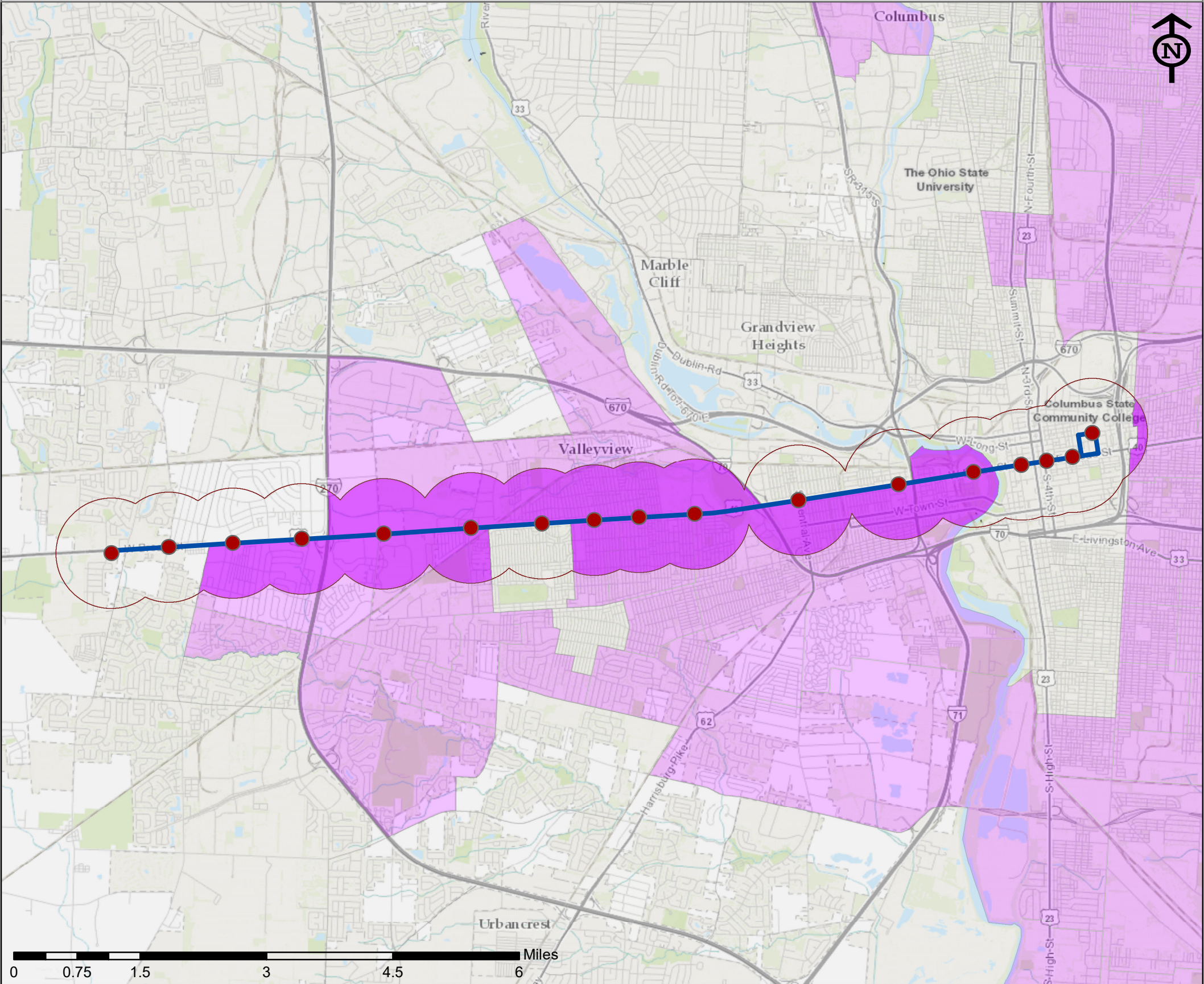


	Frequent	Standard	Rush Hour-Only	Grand Total
Less than \$10,000	20.2%	17.8%	2.0%	18.9%
\$10,000 - \$14,999	13.5%	12.5%	1.8%	12.8%
\$15,000 - \$24,999	19.9%	21.1%	3.3%	19.6%
\$25,000 - \$34,999	18.5%	16.8%	7.8%	17.6%
\$35,000 - \$49,999	12.4%	14.9%	5.6%	12.8%
\$50,000 - \$74,999	8.3%	10.5%	25.5%	9.5%
\$75,000 - \$99,999	3.4%	3.6%	25.9%	4.4%
Over \$100,000	3.7%	2.8%	28.2%	4.4%
Grand Total	100.0%	100.0%	100.0%	100.0%

	CBUS	CMAx
Less than \$10,000	12.9%	25.6%
\$10,000 - \$14,999	10.1%	14.1%
\$15,000 - \$24,999	8.1%	20.4%
\$25,000 - \$34,999	9.1%	17.4%
\$35,000 - \$49,999	11.2%	9.6%
\$50,000 - \$74,999	14.3%	7.9%
\$75,000 - \$99,999	13.5%	2.3%
Over \$100,000	20.7%	2.7%
Grand Total	100.0%	100.0%

Small Starts Travel Forecasts Template								
Project Name:			West Broad Street Bus Rapid Transit					
Trips on the Project								
Line	Transit market	Trips made by:	Daily linked trips		Annualization factor	Annual linked trips (daily trips * annualization factor)		Brief description of the process used to develop travel forecasts (e.g., local model, FTA simplified national model, incremental data-driven method, direct demand model)
			Current Year (2020)	Horizon (20 Years)		Current Year (2020)	Horizon (20 Years)	
1a	Modeled trips: home-based work (HBW)	Non-transit dependents	1,078	1,450	313	337,414	453,850	FTA Simplified Trips on Projects (STOPS) model
1b		Transit dependents	1,389	1,931		434,757	604,403	
2a	Modeled trips: all other trip purposes	Non-transit dependents	1,415	1,987	313	442,895	621,931	FTA Simplified Trips on Projects (STOPS) model
2b		Transit dependents	2,062	2,862		645,406	895,806	
3a	Special market 1 (specify)	Non-transit dependents				0	0	
3b		Transit dependents				0	0	
4a	Special market 2 (specify)	Non-transit dependents				0	0	
4b		Transit dependents				0	0	
5a	Special market 3 (specify)	Non-transit dependents				0	0	
5b		Transit dependents				0	0	
6a	Special market 4 (specify)	Non-transit dependents				0	0	
6b		Transit dependents				0	0	
7a	Subtotal (lines 1 through 6)	Non-transit dependents				780,309	1,075,781	
7b		Transit dependents				1,080,163	1,500,209	
8a	Total annual linked trips with special markets (lines 7a through 7b)					1,860,472	2,575,990	
8b	Total daily linked trips without special markets (lines 1a through 2b)		5,944	8,230				
9	New transit trips		1,110	1,623				

W. Broad BRT Corridor Study Area in CEJST Disadvantaged Census Tracts



Disclaimer: Distances are approximate. This map has been provided as reference material and does not constitute a legally binding document. Use at your own discretion.

Legend

Proposed West Broad BRT Corridor

- Proposed alignment
- Proposed station locations

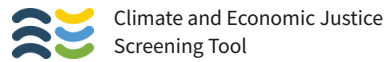
Study

- Area within 0.5 miles of a station

CEJST Information

- Census tracts identified as disadvantaged by CEJST
- Study area within CEJST disadvantaged census tract

This tool has been updated. The 1.0 version of the tool was released on Nov 22, 2022.



[Explore the map](#)

[Methodology & data](#)

[About](#)

[Contact](#)

Explore the map

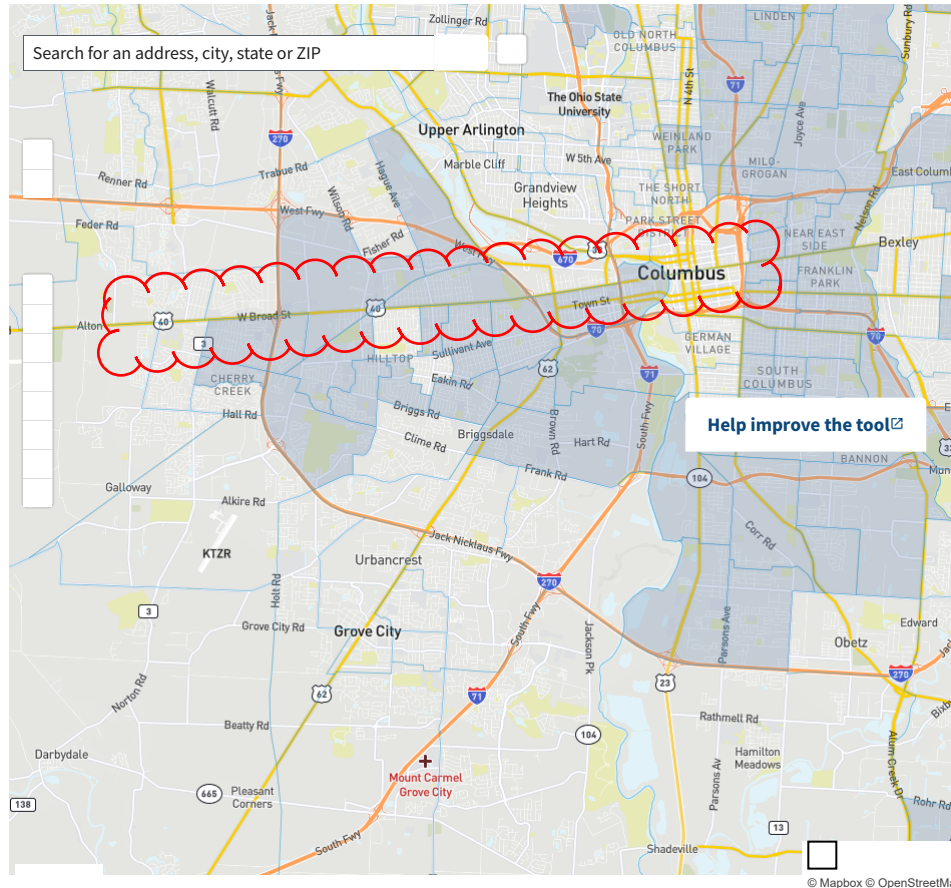
[Share data sources with CEQ](#)

Census tracts that are overburdened and underserved are highlighted as being disadvantaged on the map. Federally Recognized Tribes, including Alaska Native Villages, are also considered disadvantaged communities.

Zooming in and selecting shows information about each census tract.

Get the data ↓

Download the data with documentation and shapefile from the [downloads](#) page.



How to use the map:

Zoom in + , search 🔍 , or locate yourself 📍 and select to see information about any census tract.

Things to know:

The tool uses census tracts 🗺️ . Census tracts are a small unit of geography. They generally have populations 🧑 of between 1,200 - 8,000 people.

Communities that are disadvantaged live in tracts that experience burdens. These tracts are highlighted 🟦 on the map.

The tool ranks most of the burdens using percentiles 📊 . Percentiles show how much burden each tract experiences when compared to other tracts.

Thresholds 📏 , or cutoffs, are used to determine if communities in a tract are disadvantaged. Certain

U.S. territories note

Not all the data used in the tool are available or used for all U.S. territories.

Puerto Rico: The data used for Puerto Rico are from all relevant and available fields in the energy, housing, legacy pollution, transportation, and workforce development categories. The following data are used: low income, projected flood risk, energy cost, lack of indoor plumbing, lead paint, housing cost, proximity to hazardous waste facilities, proximity to Superfund or National Priorities List (NPL) sites, proximity to Risk Management Plan (RMP) facilities, diesel particulate matter exposure, traffic proximity and volume, underground storage tanks and releases, wastewater discharge, low median income, poverty, unemployment, and high school education. Linguistic isolation was removed for Puerto Rico based on feedback received during the beta period.

American Samoa, Guam, the Northern Mariana Islands, and the U.S. Virgin Islands: For these U.S. territories, the tool uses the following data: unemployment, poverty, low median income, and high school education. These burdens are in the workforce development category.

A note on Tribal Nations

To respect Tribal sovereignty and self-government and to fulfill Federal trust and treaty responsibilities to Tribal Nations, land within the boundaries of Federally Recognized Tribes are designated as disadvantaged on the map. Alaska Native Villages are included as point locations that are smaller than a census tract. The boundaries of census tracts and the lands of Federally Recognized Tribes are different.

This decision was made after meaningful and robust consultation with Tribal Nations. This is consistent with CEQ's [Action Plan](#) for Consultation and Coordination with Tribal Nations, President Biden's [Memorandum](#) on Tribal Consultation and Strengthening Nation-to-Nation Consultation, and [Executive Order 13175](#) on Consultation and Coordination With Indian Tribal Governments.

Contact

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[Sign up for updates](#)

More information

[Whitehouse.gov](https://www.whitehouse.gov)
[Freedom of Information Act \(FOIA\)](#)
[Privacy Policy](#)
[Find a contact at USA.gov](#)

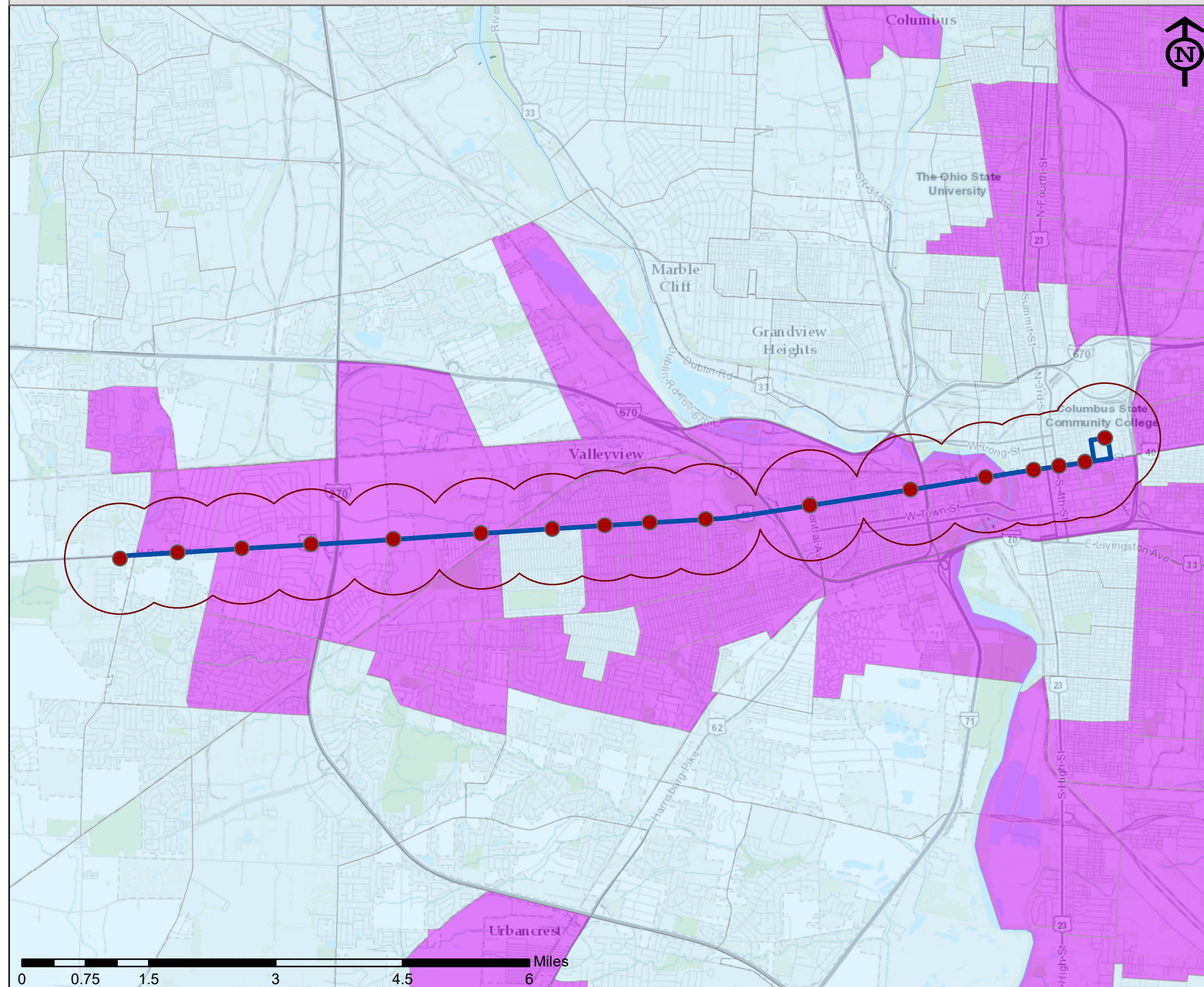
Want to contribute?

[Check out the code on GitHub](#)



Council on Environmental Quality

W. Broad BRT Study Area and USDOT ETC Census Tracts



Disclaimer: Distances are approximate. This map has been provided as reference material and does not constitute a legally binding document. Use at your own discretion.

Legend

Proposed West Broad BRT Corridor

- Proposed alignment
- Proposed station locations

Study Area

- Area within 0.5 miles of a station

National USDOT ETC Disadvantaged Communities Indicator

- Not identified as either disadvantaged or not disadvantaged in national dataset
- Not identified as disadvantaged in national dataset
- Identified as disadvantaged in the dataset