

Rapid Transit Modes

Various modes, or types, of rapid transit will be considered during the BEST corridor planning projects along Gratiot and Michigan. BRT has already been selected as the preferred option for the Woodward corridor.

| COMMUTER RAIL | LIGHT RAIL | STREETCAR | BUS RAPID TRANSIT (BRT) |
|--|--|---|--|
|  |  |  |  |
| <i>Metra, Chicago Region</i> | <i>Hiawatha Line, Minneapolis</i> | <i>Portland, OR</i> | <i>Healthline BRT, Cleveland</i> |
|  |  |  |  |
| <i>MBTA, Boston Region</i> | <i>TriMet Max, Portland, OR</i> | <i>Seattle, WA</i> | <i>EmX, Eugene, OR</i> |
|  |  |  |  |
| <i>UTA, Salt Lake City Region</i> | <i>Tide LRT, Norfolk, VA</i> | <i>Tacoma, WA</i> | <i>Primo, San Antonio, TX</i> |

| | | | | |
|--|-----------------|-----------------|----------------------|----------------|
| AVERAGE PER MILE CAPITAL COSTS | \$29 million | \$63 million | \$50 million | \$17 million |
| RANGE OF PER MILE CAPITAL COSTS | \$11 m - \$68 m | \$42 m - \$87 m | \$48 m - \$53 m | \$2 m - \$63 m |
| TYPICAL DAILY RIDERSHIP | 4,000 - 70,000 | 7,000 - 50,000 | 500 - 20,000 | 7,000 - 50,000 |
| STATIONS | 5 miles apart | 1 mile apart | 1/4 - 1/2 mile apart | 1 mile apart |
| ROUTE LENGTH | 20 - 50 miles | 10 - 30 miles | 1 - 5 miles | 5 - 30 miles |
| FIXED GUIDEWAY? | Yes | Yes | Yes | Yes* |
| FREQUENCY | Commuter | All day | All day | All day |
| VEHICLES | 5-7 car trains | 2-3 car trains | 1-2 car trains | 40' or 60' bus |

*BRT is flexible & can operate in a fixed guideway or in mixed flow traffic.

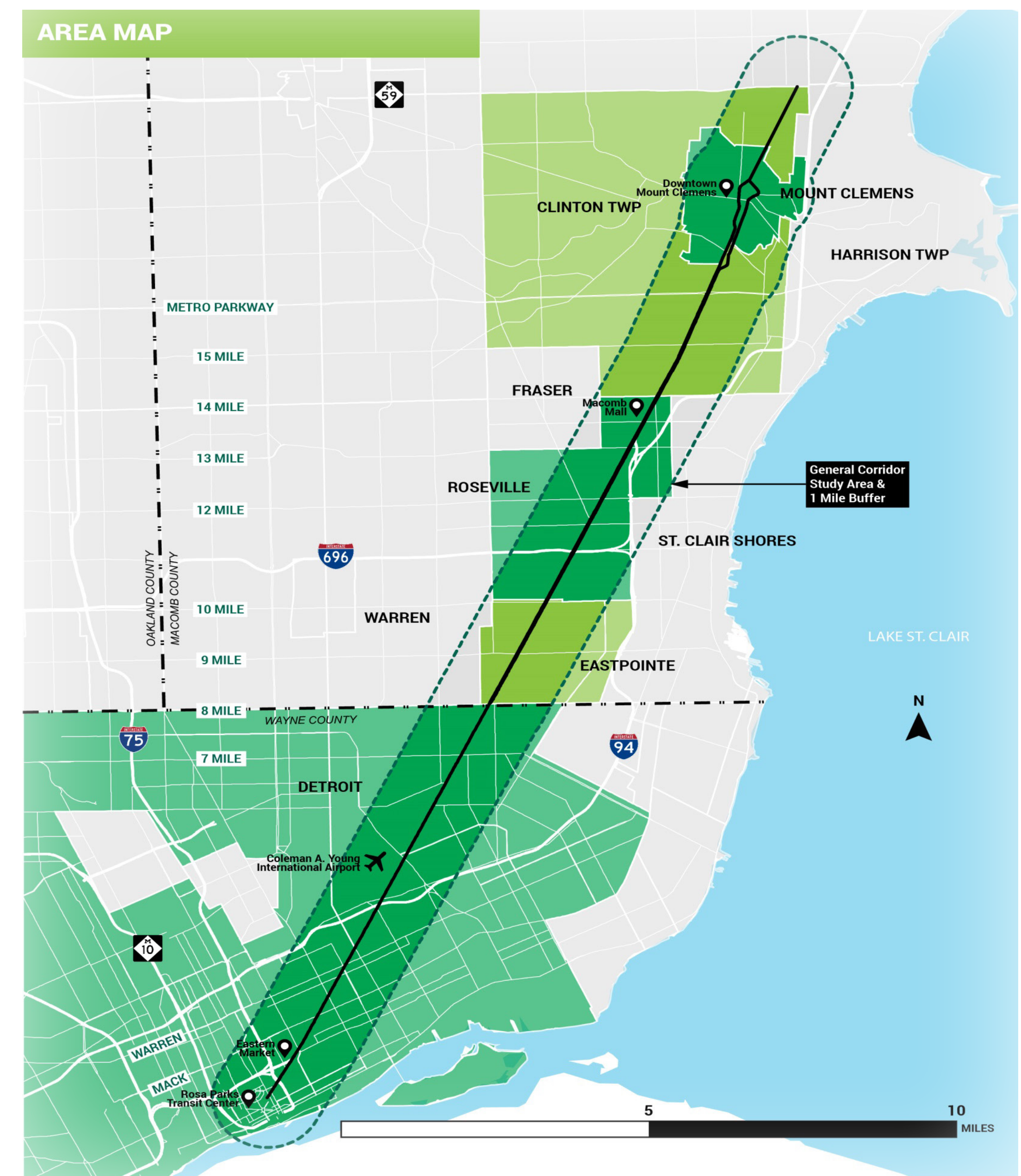


BEST: Gratiot Avenue

Benefits of Rapid Transit

Public Transit and Gratiot Avenue

| | |
|--|--|
| | <p>Provides residents of the 115,401 households within a one mile radius of Gratiot Avenue with alternative transportation choices</p> |
| | <p>Connects residents to jobs along corridor</p> |
| | <p>73 % of millennials “want better access to mass transit in metro Detroit” per a recent Crain’s article, which requires a mixture of land uses, housing types and transit oriented development</p> |
| | <p>Encourages a more sustainable environment by converting people to public transit and enhances the public transit service for the 12,000 existing riders</p> |
| | <p>Connects residents along the 23 mile stretch between Downtown Detroit and M-59 in Macomb County to shopping, dining, jobs, local businesses and major activity centers</p> |
| | <p>Downtown Detroit to Mt. Clemens is currently 40-50 minutes using either I-94 or Gratiot Avenue traveling by car.</p> |
| | <p>45% of all DDOT/SMART trips along Gratiot Avenue are work trips and 20% are university/school trips</p> |



Who Benefits?



Sports fan Fred and his family can get to Comerica Park without the hassle of finding a parking spot



Business man Dan can respond to emails after catching up on Freep.com during his morning commute



Henry Young can relieve his Chuck Taylors riding transit to the coffee shop and to local bars without having to worry about driving



Sue and Steve can safely get to and from the farmers market, doctor's appointments and the mall



What's Important to You?

Rapid Transit along Gratiot Avenue

Use the provided dots to choose the **three (3) factors** you believe are the most important for analyzing and selecting transit options for Gratiot Avenue.

| DEFINE PURPOSE AND NEED FOR BETTER TRANSIT | | |
|--|--|------------------------------------|
| FACTORS | | WHICH 3 ARE MOST IMPORTANT TO YOU? |
| A | The cost to build and maintain the system is secure | |
| B | The transit system serves as a catalyst for new development and jobs . | |
| C | The transit system provides more frequent service to better connect the corridor. | |
| D | The transit system is a reliable alternative to driving. | |
| E | The transit system is safe and secure from crime. | |
| F | The transit system helps reduce traffic congestion in the region. | |
| G | To provide a social benefit to those who cannot afford or choose not to drive | |
| H | Any other factors? Please write in the space provided | |

LOCATION: _____

Home, Work, Entertainment

Where do you spend your time along Gratiot Avenue?

- 1 Place the Home (yellow) dot near where you live.
- 2 Place the Work (blue) dot near where you work.
- 3 Place Entertainment (red) dots near 3 of the places you go to most often along the corridor (parks, shopping, restaurants, etc.).
- 4 Draw an arrow on each dot, representing the direction you travel to reach each destination.

