

Stop-to-stop travel times for the TSM trunk routes and skip-stop service are included in **Appendix H – Operating Plan**.

Fare Structure

Similar to the No-Build Alternatives, the TSM would use DDOT's existing fare and transfer structure, presented in **Table 7-4**.

7.5 BRT Alternatives

Figures 7-1 through **7-3** (see pages 7-6 through 7-8) present the alignments associated with the BRT Alternatives for the Gratiot/Woodward, Michigan/Woodward and Woodward Avenue alignments.

7.5.1 Roadway Elements

As stated in Section 7.3.1, the BRT Alternatives include roadway improvements assumed in the No-Build Alternatives.

7.5.2 Transit Elements

The BRT Alternatives would replace existing Routes 34, 37 and 53. Moreover, as previously stated, the BRT Alternatives for Gratiot and Michigan Avenues will also operate on the segment of Woodward Avenue between downtown Detroit and Grand Boulevard.

- Gratiot Avenue BRT would discontinue DDOT Route 34. Route 34 would be replaced with BRT, with ten-minute headways, along Gratiot Avenue from Eight Mile Road to downtown Detroit and along Woodward Avenue to Grand Boulevard. **Figure 7-10** shows the modifications to the feeder bus routes as part of the alternative.
- Michigan Avenue BRT would discontinue DDOT Route 37. Route 37 would be replaced with BRT, with 15-minute headways, along Michigan Avenue from Greenfield Village to downtown Detroit and along Woodward Avenue from downtown to Grand Boulevard. **Figure 7-11** shows the modifications to the feeder bus routes as part of the alternative.
- Woodward Avenue BRT would discontinue DDOT Route 53. Route 53 would be replaced with BRT service, with ten-minute headways, along Woodward Avenue

from Eight Mile Road to downtown Detroit. **Figure 7-12** shows the modifications to the feeder bus routes as part of the alternative.

Guideway Requirements

The BRT Alternatives would include an exclusive guideway in the median of Gratiot, Michigan and Woodward Avenues, specifically:

- The Gratiot/Woodward Avenues BRT Alternative– On Gratiot Avenue, the exclusive busway would be constructed generally between Brush Street and Eight Mile Road. On Woodward Avenue, the exclusive busway would be constructed between Montcalm Street and the Michigan State Fairgrounds.
- The Michigan/Woodward Avenues BRT Alternative– On Michigan Avenue, the exclusive busway would be constructed generally between Elm Street in Dearborn (immediately west of Evergreen Road) and Third Street in Detroit. On Woodward Avenue, the exclusive busway would be constructed between Montcalm Street and the Michigan State Fairgrounds.
- The Woodward Avenue BRT Alternative– The exclusive guideway would be constructed generally between Montcalm Street and the Michigan State Fairgrounds.

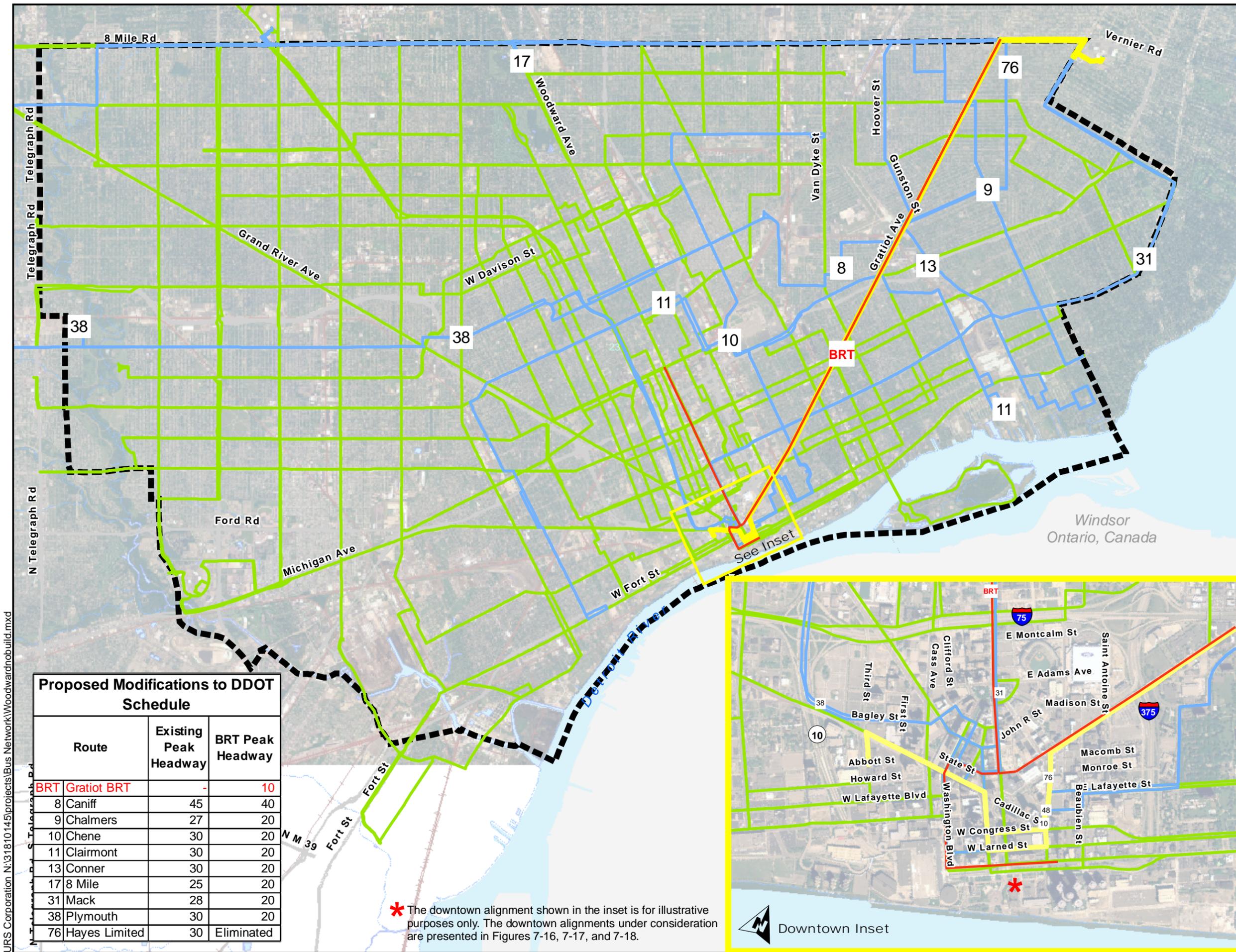
The BRT Alternatives would operate in mixed traffic in downtown Detroit. At this time, they were assumed to follow the existing routing of Routes 34, 37 and 53 through downtown.

Transit Vehicles

The BRT Alternatives would use BRT vehicles similar to the Civis or Phineas buses. The Civis vehicle manufactured by Iris Bus in the Netherlands is currently operating in Las Vegas, Nevada. The FTA has a specific definition of BRT that includes use of distinctive, high-capacity buses.

This page intentionally left blank.

Figure 7-10
**Proposed Service Plan
 for Gratiot Avenue
 BRT Alternative**



Legend

DDOT Routes

- Gratiot BRT
- Route 34 - Gratiot
- Modified Bus Routes
- Unmodified Bus Routes

Other Symbols

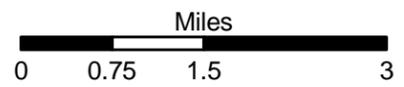
- Study Area
- Primary Road
- Secondary Road
- Railroads
- Lake, River

Proposed Modifications to DDOT Schedule

Route	Existing Peak Headway	BRT Peak Headway
BRT Gratiot BRT	-	10
8 Caniff	45	40
9 Chalmers	27	20
10 Chene	30	20
11 Clairmont	30	20
13 Conner	30	20
17 8 Mile	25	20
31 Mack	28	20
38 Plymouth	30	20
76 Hayes Limited	30	Eliminated

* The downtown alignment shown in the inset is for illustrative purposes only. The downtown alignments under consideration are presented in Figures 7-16, 7-17, and 7-18.

April 6, 2009



URS Corporation N:\31810145\projects\Bus Network\Woodwardnobuild.mxd