

# connections 2045: the waco metropolitan transportation plan amendment 1



developed by the waco metropolitan planning organization  
in cooperation with the following agencies:



adopted by the waco MPO policy board: june 18, 2020

# amendment 1: march, 2020

## purpose and need for amendment

Shortly after adoption of Connections 2045: The Waco Metropolitan Transportation Plan, several funding awards were made for regionally significant projects (which were not included in the original plan due to fiscal constraint). This amendment specifically identifies these projects and updates the project limits, scope of work, cost and funding sources to ensure consistency with Commission actions and project programming within the 2019-2022 Transportation Improvement Program.

The Texas Transportation Commission awarded funding to a bicycle and pedestrian project application submitted by the City of Waco under the Transportation Alternatives Set-Aside Program (TASA) on October 26, 2017. This amendment updates the fiscal year of implementation for Project BP-001 to ensure consistency with Commission actions and project programming within the 2021-2024 Transportation Improvement Program.

## project funding awards

On January 30, 2020, the Texas Transportation Commission awarded funding to 3 bicycle and pedestrian infrastructure project applications submitted by Waco MPO member communities through TxDOT's Bicycle and Pedestrian Funding Programs. The cities of Lorena and Waco received awards under the Safe Routes to Schools (SRTS) Infrastructure Program which facilitates safe walking and biking to elementary and middle schools in Texas. Additionally, the City of Lorena received an award under the Transportation Alternatives (TA) Set-Aside Program to improve the pedestrian experience in its downtown. The SRTS/TA project awards are detailed in Table A1-1.

The SRTS/TA projects identified within this amendment received a formal commitment for funding by the Texas Transportation Commission through Minute Order 115662 approved on January 30, 2020.

table A1-1 – bicycle and pedestrian program awards made in FY 2020

| Funding Category            | Award       |
|-----------------------------|-------------|
| Safe Routes to Schools      | \$1,539,645 |
| Transportation Alternatives | \$1,479,954 |
| Non-Federal Local Match     | \$411,458   |
| Total                       | \$3,431,057 |

On August 23, 2019, the Texas Transportation Commission awarded \$231,605 in Transportation Development Credits (TDC) to the Waco Transit System to satisfy the local match requirement for the purchase of transit vehicles using federal funds. These federal funds were awarded to Waco Transit under the Federal Transit Administration (FTA) Section 5339 Bus and Bus Facilities Program in FY 2016, FY 2018 and FY 2019. The Commission awards TDCs to maximize the use of available federal funds for public transit.

The vehicle purchase project identified within this amendment received a formal commitment for funding with the award of TDCs by the Texas Transportation Commission through Minute Order 115291 approved on August 30, 2018, and distributed in August, 2019. The capital fund and TDC awards to Waco Transit System/City of Waco are detailed in Table A1-2.

table A1-2 – FTA capital funding awards made in FY 2019

| Funding Category                    | Award       |
|-------------------------------------|-------------|
| FTA Section 5339                    | \$1,158,000 |
| Transportation Development Credits* | \$231,605   |
| Non-Federal Local Match             | \$160,300   |
| New MTP Mobility Total              | \$1,318,300 |

\*TDCs are not cash but waive the match requirement for federal dollars for projects to which they are applied. Therefore they are not reflected in the New MTP Mobility Total.

On October 26, 2017, the Texas Transportation Commission awarded funding to a bicycle and pedestrian infrastructure project

application submitted by the City of Waco under the Transportation Alternatives Set-Aside Program (TASA). This amendment updates the fiscal year of implementation for Project BP-001 to ensure consistency with Commission actions and project programming within the 2021-2024 Transportation Improvement Program.

Project BP-001 received a formal commitment for funding by the Texas Transportation Commission through Minute Order 115076 approved on October 26, 2017. The TASA project award is detailed in Table A1-3.

table A1-3 – bicycle and pedestrian program award made in FY 2017

| Funding Category                  | Total Funds |
|-----------------------------------|-------------|
| Cat 9 – Trans Alternatives (TASA) | \$2.5       |
| Non-Federal Local Match           | \$0.6       |
| Total                             | \$3.1       |

## project recommendations

Note: Since these are project funding awards with an anticipated implementation timeline of FY 2020 through FY 2022, no priority is identified for these recommendations, and these projects do not modify previously identified MTP priorities.

### strategy 4: improve regional livability

#### short term priorities (2020 to 2030)

##### Project ID: BP-001

Facility: Elm Ave  
 Extent: Brazos River to Forrest St / Garrison St  
 Current: 2 lane urban arterial  
 Scope of Work: Construct continuous sidewalks, bike lanes and streetscape improvements  
 Purpose and Need: Provide bicycle and pedestrian connection between Downtown Waco and East Waco  
 Fiscal Constraint: Funding Commitment through Transportation Commission Minute Order 115076

| Work Phase   | Cost*   |
|--------------|---------|
| Engineering  | \$0.6** |
| Right of Way | \$0.0   |
| Construction | \$2.5   |
| Total        | \$3.1   |

\*In Millions

\*\*Phase complete or underway

##### Project ID: BP-004

Facilities: Garrison St, Elm Ave, Clifton St  
 Extents: Garrison St from J.H. Hines Elementary School to Taylor St; Elm Ave from Garrison St to Clifton St; Clifton St from Elm Ave to Chestnut St  
 Current: 2 lane urban arterials  
 Scope of Work: 1) Construct 6-ft wide accessible sidewalks along Garrison St, Elm Ave, and Clifton St adjacent to and near J.H. Hines Elementary School  
 2) Construct pedestrian signal and crossing improvements  
 Purpose and Need: Address pedestrian safety concerns in vicinity of J.H. Hines Elementary School and the economically disadvantaged neighborhoods surrounding the school.  
 Fiscal Constraint: Funding Commitment through Transportation Commission Minute Order 115662

| Work Phase   | Cost      |
|--------------|-----------|
| Engineering  | \$108,253 |
| Right of Way | \$0       |
| Construction | \$721,685 |
| Total        | \$829,938 |

##### Project ID: BP-005

Facilities: Williams Rd, N Houston St  
 Extents: Williams Rd from Lorena Middle School to N Houston St; N Houston St from Williams Rd to Lorena Elementary School  
 Current: 2 lane suburban arterial  
 Scope of Work: 1) Construct a 6-ft wide continuous sidewalk along the south side of Williams Rd from existing sidewalk at Lorena Middle School to N Houston St  
 2) Construct a 6-ft wide continuous sidewalk along the west side of N Houston St from Williams Dr to existing sidewalk at Lorena Elementary School  
 Purpose and Need: Address pedestrian safety concerns in vicinity of Lorena Middle and Elementary Schools  
 Fiscal Constraint: Funding Commitment through Transportation Commission Minute Order 115662

| Work Phase   | Cost      |
|--------------|-----------|
| Engineering  | \$256,891 |
| Right of Way | \$0       |
| Construction | \$524,976 |
| Total        | \$781,867 |

**Project ID: BP-006**

Facility: Center St  
 Extent: McBrayer St to Bordon St  
 Current: 2 lane urban arterial  
 Scope of Work: 1) Construct continuous ADA compliant sidewalks on both sides of Center St  
 2) Construct roadway bumpouts (curb extensions) and ADA compliant parking spaces  
 Purpose and Need: Address pedestrian safety concerns in vicinity of Downtown Lorena  
 Fiscal Constraint: Funding Commitment through Transportation Commission Minute Order 115662

| Work Phase   | Cost        |
|--------------|-------------|
| Engineering  | \$388,394   |
| Right of Way | \$0         |
| Construction | \$1,461,548 |
| Total        | \$1,849,942 |

**strategy 6: provide equal access and benefits**

**short term priorities (2020 to 2030)**

Project T-3U identifies the capital costs the Waco Transit System, Inc. will incur for the purchase of transit vehicles to replace vehicles currently in operation past their recommended lifespan.

**table A1-4 –public transportation vehicle purchases**

| Project ID | System | Project Cost |
|------------|--------|--------------|
| T-3U       | Urban  | \$1,318,300  |
| T-3R       | Rural  | \$0          |
| Total      |        | \$1,318,300  |

**summary of recommendations**

In October, 2017, and in January, 2020, the Texas Transportation Commission awarded funding for several bicycle & pedestrian projects within the cities of Lorena and Waco through TxDOT’s Bicycle and Pedestrian Funding Programs. As a result of these funding commitments, this amendment adds these projects to the Metropolitan Transportation Plan as funded recommendations within Strategy 4: Improve Regional Livability.

Additionally, the Commission awarded Section 5339 funding to Waco Transit System, Inc. under the Federal Transit Administration (FTA) Bus and Bus Facilities Program to be used for the purchase of transit vehicles. As a result of this funding commitment, this amendment adds these projects to the Metropolitan Transportation Plan as funded recommendations within Strategy 6: Provide Equal Access and Benefits.

The mix of projects identified within this amendment are intended to accomplish the following:

- 1) Maintain a state of good repair for transit rolling stock
- 2) Improve the viability of the pedestrian mode as a transportation mode
- 3) Improve safety for pedestrians

**table A1-5 – total additional costs of plan recommendations by strategy**

| Strategy                 | Short Term Cost* | Percent of Amendment |
|--------------------------|------------------|----------------------|
| 1 - State of Good Repair | \$0.0            | 0.0%                 |
| 2 - Safety               | \$0.0            | 0.0%                 |
| 3 - Efficiency           | \$0.0            | 0.0%                 |
| 4 - Livability           | \$6.6            | 83.5%                |
| 5 - Mobility             | \$0.0            | 0.0%                 |
| 6 - Equity**             | \$1.3            | 16.5%                |
| Total Plan               | \$7.9            | 100.0%               |

\*In Millions  
 \*\*Does not include value of transportation development credits.

**table A1-6 – total additional costs of plan recommendations by transportation mode**

| Mode                    | Short Term Cost | Percent of Amendment |
|-------------------------|-----------------|----------------------|
| Highway                 | \$0.0           | 0.0%                 |
| Public Transportation** | \$1.3           | 16.5%                |
| Bicycle                 | \$0.0           | 0.0%                 |
| Pedestrian              | \$6.6           | 83.5%                |
| Passenger Rail          | \$0.0           | 0.0%                 |
| Total Plan              | \$7.9           | 100.0%               |

\*In Millions  
 \*\*Does not include value of transportation development credits.

**table A1-7 – total costs of plan recommendations by strategy after amendment**

| Strategy                 | Short-Term Cost* | Long-Term Cost* | Total Cost* | Percent of Plan |
|--------------------------|------------------|-----------------|-------------|-----------------|
| 1 - State of Good Repair | \$467.1          | \$771.9         | \$1,239.0   | 55.4%           |
| 2 - Safety               | \$38.4           | \$20.7          | \$59.1      | 2.6%            |
| 3 - Efficiency           | \$33.5           | \$64.1          | \$97.6      | 4.4%            |
| 4 - Livability           | \$42.2           | \$7.4           | \$49.6      | 2.2%            |
| 5 - Mobility             | \$202.9          | \$348.3         | \$551.2     | 24.7%           |
| 6 - Equity*              | \$89.6           | \$148.8         | \$238.4     | 10.7%           |
| Total Plan               | \$873.7          | \$1,361.2       | \$2,234.9   | 100.0%          |

\*In Millions

### Implementation Timeframe

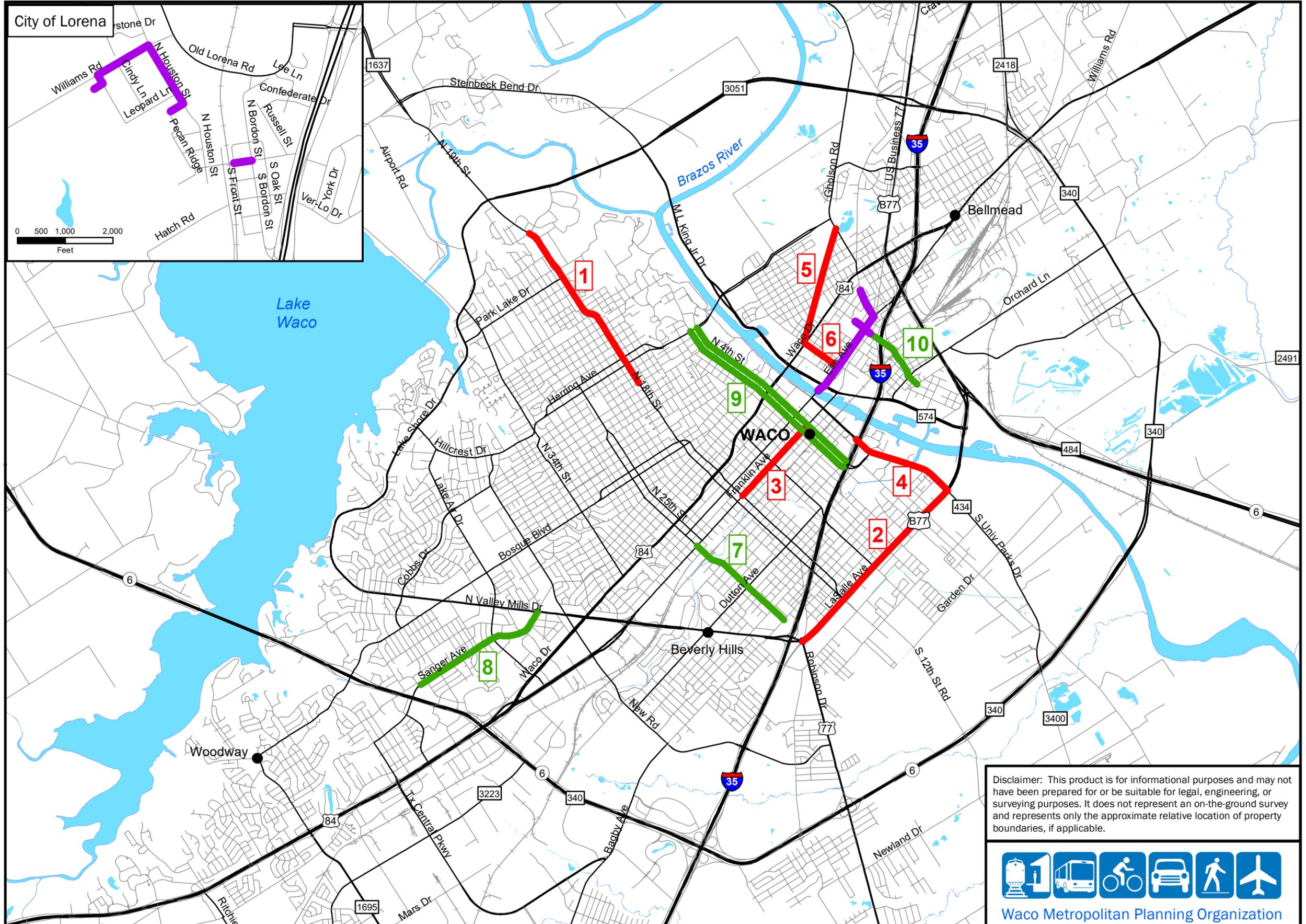
-  New Additions
-  2020 to 2030
-  2031 to 2045
-  Strategy Priority



0 0.25 0.5 1  
Miles

April 2020

## Map A1.1 Amendment 1 Project Recommendations Strategy 4 - Improve Regional Livability



Disclaimer: This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of property boundaries, if applicable.



Waco Metropolitan Planning Organization