

## Short and Long Term Needs

The short- and long-term programs of **proposed** projects listed below have been designed to address the mobility issues in South Montgomery County. These improvements to the transportation network have been identified as necessary to handle the existing and anticipated future traffic demand on the area's transportation network. As a result, the proposed projects listed below are expected to address the needs of this fast-growing area and allow for the reasonable access of the general public to homes, jobs, shopping and entertainment. It will be up to the responsible entities to implement the suggested solutions.

The proposed projects have been grouped into "Corridors" and each grouping includes a brief description of the project; estimated construction cost (2014 dollars, exclusive of potential right-of-way acquisition); implementing entity or entities (Shenandoah, Oak Ridge North, Woodlands Road Utility District #1 (WRUD#1), Montgomery County, TxDOT, Harris County and Conroe); potential funding sources (federal, state, local, etc.); plan goals met (economic development, maximization of mobility, quality of life, and project consensus); and mobility issues addressed (IH 45 alternative, N/S and E/W connectivity, access to Grand Parkway, local circulation, overall mobility, bicycle/pedestrian, and intersection).

### Short Term Needs (0-5 years)

*(Note: Bicycle accommodations are recommended on all new or widened facilities. The type of accommodations will be determined by implementing entities and their partners during the design process.)*

#### Key Corridors

##### Rayford Road

- Construct a roadway overpass on Rayford at the UP Railroad.  
Estimated cost: \$13.7 million
- Widen Rayford Road to six lanes, incorporating access management strategies, from the UP Railroad to Legends Run Drive and from Fox Ravine Drive to Grand Parkway.  
Estimated cost: \$21.5 million

- Total construction cost estimate: \$35.2 million
- Implementation entity: Montgomery County
- Potential funding sources: Federal, state, local, UP Railroad
- SCMP goals: Economic development; maximize mobility
- Mobility issues addressed: overall mobility, E/W connectivity

### Woodlands Parkway /Robinson Road Corridor

#### Woodlands Parkway/Robinson at IH 45

- Convert the Woodlands Parkway/Robinson Road at IH 45 to a single-point urban interchange (SPUI), including frontage road U-turn lanes. In the event that funding is not available for a SPUI, it is recommended that a Diverging Diamond interchange be constructed as an interim solution.
  - Construction cost estimate: \$51.2 million
  - Implementation entities: Montgomery County, TxDOT
  - Potential funding sources: Federal, state, local
  - SCMP goals: Maximize mobility, project consensus
  - Mobility issues addressed: E/W connectivity, local circulation

#### Robinson Road

- Widen to four lanes from IH 45 to east of the UP Railroad, including its realignment to convert the two intersections at Hanna Road into a single intersection controlled by a traffic signal.
  - Construction cost estimate: \$10 million
  - Implementation entities: Oak Ridge North, Montgomery County
  - Potential funding sources: Federal, state, local
  - SCMP goals: Economic development, maximize mobility
  - Mobility issues addressed: E/W connectivity

#### Woodlands Parkway

- Extend IH 45 direct connectors over Woodloch Forest and Six Pines.
  - Construction cost estimate: \$26.5 million
  - Implementation entities: Woodlands RUD#1, Montgomery County
  - Potential funding sources: Federal, state, local
  - SCMP goals: Maximize mobility
  - Mobility issues addressed: E/W connectivity

### Lake Woodlands Drive

- Widen to six lanes from Lake Front Circle to IH 45.  
Estimated cost: \$6.8 million
- Construct an overpass on Lake Woodlands at Grogans Mill.  
Estimated cost: \$4.3 million
- Construct a westbound-to-eastbound U-turn at the intersection of Lake Woodlands Drive at Target/The Woodlands Mall entrance.  
Estimated cost: \$1.3 million
  - Total construction cost estimate: \$12.4 million
  - Implementation entities: WRUD#1, Montgomery County
  - Potential funding sources: State, local
  - SCMP goals: Economic development; maximize mobility, project consensus
  - Mobility issues addressed: E/W connectivity, local circulation, overall mobility

### Grogans Mill Road

- Widen to six lanes from Woodlands Parkway to Research Forest.
  - Construction cost estimate: \$6 million
  - Implementation entities: WRUD#1, Montgomery County
  - Potential funding source: Local
  - SCMP goals: Economic development, maximize mobility
  - Mobility issues addressed: N/S connectivity, overall mobility

### Gosling

- Widen to four lanes from Flintridge to Grand Parkway, including a 2 lane bridge over Spring Creek.
  - Construction cost estimate: \$41 million
  - Implementing entities: WRUD#1, Montgomery County, Harris County, Conroe
  - Potential funding sources: State, local
  - SCMP goals: Maximize mobility
  - Mobility issues addressed: N/S connectivity, IH 45 alternative, Grand Parkway access

### Birnam Woods

- Widen to four-lanes from Elan Blvd to the Grand Parkway.  
Estimated cost: \$7.2 million

- Construction cost estimate: \$7.2 million
- Implementation entity: Montgomery County
- Potential funding sources: Local
- SCMP goals: Maximize mobility
- Mobility issues addressed: Grand Parkway access, local circulation

#### Elan Blvd

- Widen to 4 lanes from Aldine Westfield to Birnham Woods Drive.  
Estimated cost: \$5.5 million
  - Construction cost estimate: \$5.5 million
  - Implementation entity: Montgomery County
  - Potential funding sources: Local
  - SCMP goals: Maximize mobility
  - Mobility issues addressed: Access to Grand Parkway, local circulation

## Additional Short Term Corridors: North/South

### Kuykendahl

- Widen to four lanes from Lake Woodlands Drive to Bay Branch.
  - Construction cost estimate: \$6.6 million
  - Implementing entities: WRUD#1, Montgomery County
  - Potential funding sources: Local
  - SCMP goals: Maximize mobility
  - Mobility issues addressed: N/S connectivity

### Gosling

- Conduct an environmental assessment to extend Gosling Road north from SH 242 to FM 1488.
  - Study cost estimate: \$800,000
  - Implementing entities: WRUD#1, Montgomery County, Harris County, Conroe
  - Potential funding sources: State, local
  - SCMP goals: Maximize mobility
  - Mobility issues addressed: N/S connectivity, IH 45 alternative, Grand Parkway access

### Grogans Mill Road

- Conduct a feasibility study to address the need for improving intersection at Woodlands Parkway.
  - Study cost estimate: \$600,000
  - Implementation entities: WRUD#1, Montgomery County
  - Potential funding source: Local
  - SCMP goals: Economic development, maximize mobility
  - Mobility issues addressed: N/S connectivity, overall mobility

### Grogans Mill Road and Direct Connector Study

- Conduct an environmental and schematic study to evaluate options to improve interchange capacity in the north-south direction at Grogans Mill at Woodlands Parkway, including the widening of Grogans Mill to six lanes from Woodlands Parkway to Sawdust, a grade separation from Grogans Mill to South Park Drive, widening of South Park Drive, widening of Westridge Road, widening of Pruitt Road, and a direct connector from IH 45 northbound to Pruitt Road westbound.

- Study cost estimate: \$2 million
- Implementation entities: WRUD#1, Montgomery County, TxDOT
- Potential funding sources: Federal, state, local
- SCMP goals: Economic development, maximize mobility
- Mobility Issues addressed: IH 45 alternative, N/S connectivity

#### Sawmill Road Extension Study

- Conduct an environmental assessment to extend Sawmill Road from South High Oak Circle (south of Sawdust) to Holzwarth, including a new bridge over Spring Creek.
  - Study cost estimate: \$300,000
  - Implementation entities: Montgomery County, Harris County; potentially ExxonMobil and Springwoods
  - Potential funding sources: State, local, private
  - SCMP goals: Economic development, maximize mobility.
  - Mobility issues addressed: N/S connectivity

#### David Memorial Drive

- Construct four lanes divided extension from Shenandoah Park Drive to SH 242.
  - Construction cost estimate: \$11 million
  - Implementation entities: Shenandoah, Montgomery County, Conroe
  - Potential funding sources: Local, private (Methodist Hospital)
  - SCMP goals: Economic development, maximize mobility
  - Mobility issues addressed: IH 45 alternative, N/S connectivity

#### Harpers Way

- Conduct a route study to extend Harpers Way south from Laughing Falcon Trail to proposed Tamina Road extension.
  - Study cost estimate: \$300,000
  - Implementation entities: Montgomery County, Conroe
  - Potential funding source: Local
  - SCMP goals: Maximize mobility
  - Mobility issues addressed: IH 45 alternative, N/S connectivity

### Fairview/Blair/Foster Corridor Study

- Conduct a route study to build a road from Rayford to SH 242 via Foster, Blair and Fairview alignments.
  - Study cost estimate: \$900,000
  - Implementation entities: Montgomery County, Conroe
  - Potential funding sources: Federal, state, local
  - SCMP goals: Maximize mobility
  - Mobility issues addressed: IH 45 alternative, N/S connectivity

### Songwood Drive, Blair Road, and Oak Ridge Park Corridors

#### Songwood

- Extend Songwood Drive from Pinewood to Sleepy Hollow.  
Estimated cost: \$2 million
- Extend Songwood Drive/ Industrial Way from Springwood to Robinson.  
Estimated cost: \$3.9 million

#### Blair

- Extend Blair Road from Curry to Cox.  
Estimated cost: \$1.8 million

#### Oak Ridge Park

- Extend Oak Ridge Park from Robinson to Curry.  
Estimated cost: \$1.1 million
  - Total construction cost estimate: \$8.8 Million
  - Implementation entities: Oak Ridge North, Montgomery County
  - Potential funding source: Local
  - SCMP goals: Economic development, maximize mobility
  - Mobility issues addressed: N/S connectivity

### Oak Ridge School Road/Hanna

- Extend north to connect to Johnson.
  - Construction cost estimate: \$1.4 Million
  - Implementation entities: Oak Ridge North, Montgomery County
  - Potential funding sources: Local
  - SCMP goals: Economic development, maximize mobility
  - Mobility issues addressed: N/S connectivity

### Aldine Westfield Road

- Conduct an environmental assessment and develop schematic drawings for the extension of Aldine Westfield Road from the Hardy Toll Road to Ed Kharbat Drive in Conroe.
  - Study cost estimate: \$5 million
  - Implementation entities: Montgomery County, Harris County
  - Potential funding sources: Federal, state, local
  - SCMP goals: Maximize mobility
  - Mobility issues addressed: IH 45 alternative, N/S connectivity, Grand Parkway access

### Townsen Blvd

- Conduct a route study extending Townsen Boulevard to SH 242 (providing connection between Rayford, Robinson, and Tamina).  
Estimated cost: \$6.3 million

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## **Additional Short Term Corridors: West/East**

### FM 1488

- Perform an alternatives analysis to determine the alignment to extend FM 1488 from IH 45 to FM 1314. This extension would provide an alternative to SH 242.
  - Study cost estimate: \$1.4 million
  - Implementation entities: Montgomery County, Conroe
  - Potential funding sources: Federal, state, local, UP Railroad
  - SCMP goals: Economic development, maximize mobility
  - Mobility issues addressed: Overall mobility, E/W Connectivity

### SH 242

- Widen by adding one lane in each direction from Gosling to IH 45, and from Harpers Way to FM 1314.
  - Construction cost estimate: \$52 million
  - Implementation entity: TxDOT
  - Potential funding sources: Federal, state
  - SCMP goals: Economic development, maximize mobility
  - Mobility issues addressed: Overall mobility, E/W Connectivity

### Shenandoah Park Drive

- Conduct a route study to extend from David Memorial to the San Jacinto River.
  - Study cost estimate: \$1 million
  - Implementation entity: Montgomery County
  - Potential funding source: Local
  - SCMP goals: Maximize mobility
  - Mobility issues addressed: E/W connectivity

### Research Forest/Tamina Corridor

#### Research Forest

- Improve the intersection at Research Forest and Grogans Mill by converting the existing four-point intersection into a one- or two-point intersection.  
Estimated cost: \$3.1 million

- Improve the intersections at Six Pines, Holly Hill and Pinecroft by adding right turn lanes.  
Estimated cost: \$3.9 million
- Widen Research Forest/Tamina Road at IH 45 by adding one traffic lane in each direction under the freeway bridge.  
Estimated cost: \$2.1 million

#### Tamina

- Widen by adding one lane in each direction from IH 45 to David Memorial.  
Estimated cost: \$700,000
- Improve the intersection of Tamina and David Memorial.  
Estimated cost: \$1.1 million
- Conduct an environmental assessment to extend Tamina Road from Hanna Road to FM 1314, including a grade separation at the UP Railroad and a new bridge at the San Jacinto River.  
Estimated cost: \$3 million
  - Total construction cost estimate: \$ 10.9 million
  - Study cost estimate: \$3 million
  - Implementation entities: Shenandoah, Montgomery County, Conroe
  - Potential funding sources: Federal, state, local
  - SCMP goals: Economic development, maximize mobility, project consensus
  - Mobility issues addressed: E/W connectivity, local circulation

#### Lake Woodlands Drive

- Conduct an environmental impact study for the extension of Lake Woodlands Drive from IH 45 to Sleepy Hollow Road.
  - Study cost estimate: \$600,000
  - Implementation entities: WRUD#1, Oak Ridge North and Montgomery County
  - Potential funding sources: State, local
  - SCMP goals: Economic development; maximize mobility, project consensus
  - Mobility issues addressed: E/W connectivity, local circulation, overall mobility

#### Robinson Road

- Conduct an environmental assessment to elevate the UP Railroad at Robinson and to extend Robinson from east of UP Railroad to Townsen.

- Study cost estimate \$1.6 million
- Implementation entities: Oak Ridge North, Montgomery County
- Potential funding sources: Federal, state, local, UP Railroad
- SCMP goals: Economic development, maximize mobility
- Mobility issues addressed: E/W connectivity

#### Rayford/Sawdust Corridor

- Implement access management strategies (raised median, driveway consolidation) and add right turn lanes at all the signalized intersections between Grogans Mill and UP Railroad.  
Estimated cost: \$14.9 million
- Construct a new two-lane road under IH 45 at Spring Creek to connect both sides of IH 45.  
Estimated cost: \$19.9 million
  - Total construction cost estimate: \$34.8 million
  - Implementation entity: Montgomery County
  - Potential funding sources: Federal, state, local, UP Railroad
  - SCMP goals: Economic development, maximize mobility
  - Mobility issues addressed: overall mobility, E/W connectivity

#### Lexington Blvd

- Widen Lexington Blvd to four lanes from Rayford to East Benders Landing.
  - Construction cost estimate: \$9.3 million
  - Implementing entity: Montgomery County
  - Potential funding source: Local
  - SCMP goals: Maximize mobility
  - Mobility issues addressed: N/S and E/W connectivity

#### Area Wide Improvement Package

- Implement an aggressive incident clearance program.  
Estimated cost: \$1.8 million
- Implement a traffic signal timing optimization program.  
Estimated cost: \$900,000
- Install dynamic message signs throughout the study area.  
Estimated cost: \$700,000
  - Total cost estimate: \$3.4 million
  - Implementation entity: Montgomery County
  - Potential funding sources: Federal, local
  - SCMP goals: Maximize mobility, project consensus

- Mobility issues addressed: Overall mobility, intersection improvement

### Intersection Improvement Package

Add turn lanes to the following intersections:

- College Park Drive/SH 242 at Gosling (dual left from WB 242 to SB Gosling; dual right from NB Gosling to EB 242; dual left from NB Gosling to WB 242)
- East Panther Creek at Woodlands Parkway (Dual SB left and right turn lane)
- Flintridge at Gosling (SB and WB right turn lanes)
- FM 1488 at Kuykendahl (Dual WB turn lane)
- FM 2978 at Woodlands Parkway (Dual SB left turn lane)
- Kuykendahl at Woodlands Parkway (NB and SB through lanes and SB right turn lane)
- Lake Woodlands Drive at Gosling (Dual WB left and WB right turn lanes)
- Pinecroft Drive/Mall Entrance at Lake Woodlands Drive (NB right turn lane)
- Woodloch Forest at Woodlands Parkway (Dual SB left turn lane)
  - Total construction cost estimate: \$4.1 million
  - Implementation entities: WRUD#1 and Montgomery County
  - Potential funding sources: Federal, local
  - SCMP goals: Maximize mobility
  - Mobility issues addressed: Intersection improvement

### Bicycle/Pedestrian Network Preliminary Design

- Conduct design for the new bicycle/pedestrian connector routes to correspond with new roadway construction and the Spring Creek Greenway.
  - Design cost estimate: \$3 million
  - Implementation entity: Montgomery County
  - Potential funding sources: Federal, local
  - SCMP goals: Quality of life
  - Mobility issues addressed: Lack of multimodal transportation options

## Long Term Needs (6-25 years)

(Note: Bicycle accommodations are recommended on all new or widened facilities. The type of accommodations will be determined by implementing entities and their partners during the design process.)

### North/South Corridors

#### Gosling Road

- Extend Gosling Road from SH 242 to FM 1488.
  - Construction cost estimate: \$25 million
  - Implementation entity: Montgomery County
  - Potential funding sources: State, local
  - SCMP goals: Maximize mobility
  - Mobility issues addressed: IH 45 alternative, N/S connectivity

#### Grogans Mill Road

- Widen Grogans Mill Road from four to six lanes between Woodlands Parkway and Sawdust.  
Estimated cost: \$11.5 million
- Widen Grogans Mill from two to four lanes from Research Forest to Vision Park.  
Estimated cost: \$5.5 million
- Depending on the results of earlier study, improve the intersection at Grogans Mill at Woodlands Parkway to accommodate traffic volume.  
Estimated cost: \$20 million
- Depending on the results of earlier study, Construct a grade separation at South Park Drive, widen South Park Drive to four lanes, widen Westridge Road to four lanes, widen Pruitt Road to four lanes, and construct a new direct connector from northbound to Pruitt Road westbound.  
Estimated cost: \$53.1 million
  - Total construction cost estimate: \$90.1 million
  - Implementation entities: Woodlands RUD#1, Montgomery County, TxDOT
  - Potential funding sources: Federal, state, local
  - SCMP goals: economic development maximize mobility
  - Mobility issues addressed: IH 45 alternative, N/S connectivity

#### Sawmill Road Extension

- Depending on results of earlier study, extend from South High Oak Circle to Spring Creek. (Sawmill will connect to Holzwarth in Harris County which will provide a direct connection to Grand Parkway).

- Construction cost estimate: \$8.8 million
- Implementation entities: Montgomery County, Harris County
- Potential funding sources: State, local
- SCMP goals: economic development, maximize mobility
- Mobility issues addressed: N/S connectivity, IH 45 alternative, Grand Parkway access

#### Atkinson Lane

- Extend from Vision Park Blvd to St Lukes Way.
  - Construction cost estimate: \$6.7 million
  - Implementation entities: Shenandoah, Montgomery County
  - Potential funding source: Local
  - SCMP goals: Economic development, maximize mobility
  - Mobility issues addressed: IH 45 alternative, N/S connectivity

#### Vision Park/Shenandoah Park and Nursery Road/Sagewood Drive

- Construct two new main-lane overpasses at IH 45 and Vision Park Drive/Shenandoah Park Drive and at IH 45 and Nursery Road/Sagewood Drive.
  - Construction cost estimate: \$80 million
  - Implementation entities: Shenandoah, Oak Ridge North, Montgomery County, TxDOT
  - Potential funding sources: Federal, state, local
  - SCMP goals: Economic development, maximize mobility
  - Mobility issues addressed: Local circulation

#### Harpers Way

- Depending on results of earlier study, extend Harpers Way south from Laughing Falcon Trail to Tamina Road.
  - Construction cost estimate: \$11 million
  - Implementation entities: Montgomery County
  - Potential funding sources: Local
  - SCMP goals: Maximize mobility
  - Mobility issues addressed: IH 45 alternative, N/S connectivity

### Fairview/Blair/Foster Corridor

- Depending on results of earlier study, construct a 2-lane road from Rayford to SH 242 via Foster, Blair and Fairview alignments.
  - Construction cost estimate: \$30.8 million
  - Implementation entities: Montgomery County, Harris County
  - Potential funding sources: Federal, state, local
  - SCMP goals: Maximize mobility
  - Mobility issues addressed: IH 45 alternative, N/S connectivity

### Aldine Westfield Road

- Depending on the result of the environmental assessment, extend from Riley Fuzzell to Ed Kharbat Drive in Conroe.  
Estimated cost: \$131.9 million
- Construct two direct connector ramps to Hardy Toll Road.  
Estimated cost: \$36.5 million
  - Total construction cost estimate: \$168.4 million
  - Implementation entities: Conroe, Montgomery County, Harris County
  - Potential funding sources: Federal, state, local
  - SCMP goals: Maximize mobility
  - Mobility issues addressed: IH 45 alternative, N/S connectivity, local circulation, Grand Parkway access

### Birnam Woods Drive

- Extend Birnam Woods Drive from Rayford Road to Birnamwood Blvd in Harris County.  
Estimated cost: \$26 million
- Construct a new bridge over Spring Creek.  
Estimated cost: \$5.2 million
- Widen to 4 lanes from Rayford Rd to Grand Parkway.  
Estimated cost: \$9.9 million
- Widen and extend Birnam Woods from Elan Blvd to Robinson.  
Estimated cost: \$14.7 million
  - Total construction cost estimate: \$55.8 million
  - Implementation entities: Montgomery County, Harris County
  - Potential funding sources: Federal, state, local
  - SCMP goals: Maximize mobility
  - Mobility issues addressed: IH 45 alternative, N/S connectivity, Grand Parkway access

### Townsen Blvd

- Construct a bridge on Townsen Boulevard over Spring Creek.  
Estimated cost: \$21.1 million
  - Construct a new road from the Spring Creek to Grand Parkway.  
Estimated cost: \$109.3 million
  - Construct a new road from the Grand Parkway to SH 242.  
Estimated cost: \$80.4 million
- Total construction cost estimate: \$210.8 million
  - Implementation entities: Montgomery County, Harris County, Conroe
  - Potential funding sources: State, local, private
  - SCMP goals: Economic development, maximize mobility
  - Mobility issues addressed: IH 45 alternative, N/S connectivity, Grand Parkway access



## West/East Corridors

### FM 1488

- Depending on results of the previous study, extend FM 1488 east from IH 45 to FM 1314.
  - Construction cost estimate: \$52.9 million
  - Implementation entities: Woodlands RUD#1, TxDOT
  - Potential funding sources: Federal, state, local
  - SCMP goals: Maximize mobility
  - Mobility issues addressed: E/W connectivity

### Shenandoah Park Drive

- Depending on results of the previous study, extend Shenandoah Park Drive as 4 lanes from David Memorial to the San Jacinto River.
  - Construction cost estimate: \$33 million
  - Responsible implement entities: Montgomery County
  - SCMP goals: Maximize mobility
  - Mobility issues addressed: E/W connectivity

### Research Forest

- Widen to 6 lanes from Shadow Bend to FM 2978.  
Estimated cost: \$16.5 million
- Construct an underpass at Research Forest at Grogans Mill.  
Estimated cost: \$14.3 million
- Reconstruct the interchange at Research Forest at IH 45 to accommodate ten traffic lanes under the bridge.  
Estimated cost: \$40.1 million
  - Total construction cost estimate: \$70.9 million
  - Implementation entities: WRUD#1, Montgomery County, TxDOT
  - Potential funding sources: Federal, state, local
  - SCMP goals: Maximize mobility
  - Mobility issues addressed: E/W connectivity

### Tamina Road

- Depending on results of the previous study, extend Tamina Road from Hanna Road to FM 1314, including a grade separation at the UP Railroad and a new bridge at the San Jacinto River.
  - Construction cost estimate: \$92 million

- Implementation entity: Montgomery County
- Potential funding sources: State , local, UP Railroad
- SCMP goals: Maximize mobility
- Mobility issues: E/W connectivity

#### Lake Woodlands Drive

- Depending on results of the previous study, extend Lake Woodlands Drive from to Sleepy Hollow Road, including an overpass at the UP Railroad.  
Estimated cost: \$19.4 million
- Widen Sleepy Hollow Road to 4 lanes from Main Street to Townsen.  
Estimated cost: \$24.6 million
  - Total construction cost estimate: \$44 million
  - Implementation Construction entities: Oak Ridge North, Montgomery County
  - Potential funding sources: State, local, UP Railroad
  - SCMP goals: Maximize mobility
  - Mobility issues addressed: E/W connectivity, local circulation

#### Sleepy Hollow

- Widen Sleepy Hollow Rd from Main St to Hayes Ranch Rd.
  - Construction cost estimate: \$24.6 million
  - Implementation entity: Montgomery County
  - Potential funding sources: State, local
  - SCMP goals: Maximize mobility
  - Mobility issues addressed: E/W connectivity

#### Robinson Rd

- Depending on results of the previous study, extend Robinson Road from Hanna Road to Townsen Blvd.  
Estimated cost: \$30.2 million
- Construct railroad overpass (UPRR over road)  
Estimated cost: \$23.5 million
  - Construction cost estimate: \$53.7 million
  - Implementation entities: Oak Ridge North, Montgomery County
  - Potential funding sources: State, local, UP Railroad
  - SCMP goals: Maximize mobility
  - Mobility issues addressed: E/W connectivity

### Elan Blvd

- Extend from Birnham Woods Dr to Townsen Blvd.
  - Construction cost estimate: \$11.1 million
  - Implementation entity: Montgomery County
  - Potential funding sources: State, local
  - SCMP goals: maximize mobility
  - Mobility issues addressed: E/W connectivity

### Sawdust Road and Rayford Road Corridor

- Widen Sawdust and Rayford Roads from six to eight lanes from Grogans Mill to the UP Railroad.  
Estimated cost: \$16.8 million
- Reconstruct the IH 45 interchange to accommodate 10 lanes under the bridge.  
Estimated cost: \$40.1 million
  - Total construction cost estimate: \$56.9 million
  - Implementation entities: Montgomery County, TxDOT
  - Potential funding sources: Federal, state, local
  - SCMP goals: Maximize mobility
  - Mobility issues addressed: E/W connectivity, Grand Parkway access, local circulation

### Rayford Rd

- Extend from Townsen Blvd to North Park.  
Estimated cost: \$60 million
- Widen to 4 lanes from Waterbend Cove to Birnham Woods Dr.  
Estimated cost: \$8.7 million
  - Construction cost estimate: \$68.7 million
  - Implementation entities: Montgomery County, Harris County
  - Potential funding sources: State, local, private
  - SCMP goals: Economic development, maximize mobility
  - Mobility issues addressed: E/W connectivity

### Lexington Blvd

- Extend Lexington Blvd from East Benders Landing to Townsen.  
Estimated cost: \$13.4 million
- Extend Lexington Blvd from Rayford to Birnamwood Blvd.  
Estimated cost: \$5.5 million

- Total construction cost estimate: \$18.9 million
- Implementing entity: Montgomery County
- Potential funding source: Local
- SCMP goals: Maximize mobility
- Mobility issues addressed: N/S and E/W connectivity

Bicycle/Pedestrian Network

- Construct new bicycle/pedestrian connector routes to correspond with new roadway construction, the Spring Creek Greenway, and path in Grand Parkway right-of-way.
  - Construction cost estimate: \$27 million
  - Implementing entities: WRUD#1, Shenandoah, Oak Ridge North, Montgomery County, TxDOT
  - Potential funding sources: Federal, state, local
  - SCMP goals: Quality of life
  - Mobility issues addressed: N/S and E/W connectivity, overall mobility

**Additional Recommendation**

Encourage TxDOT and H-GAC to conduct a Major Investment Study (MIS) to investigate the need for and feasibility of additional capacity in the IH 45 N/Hardy Toll Road corridor from BW 8 in Harris County to Loop 336 North in Montgomery County.

**South County Mobility Plan**

Short Term Cost Estimates:

- Construction: \$340.3 Million
  - Key Corridors: \$195 Million
  - Additional Corridors: \$145.3 Million
- Studies: \$ 23.8 Million
- Total short term: \$364.1 Million

Long Term Construction Cost Estimate: \$1.23 Billion  
Grand Total Construction Cost Estimate: \$1.59 Billion

*Construction cost only: does not include potential right-of-way acquisition cost or utility relocation.*