

# **TxDOT SH 242 Improvement Project (FM 1488 to Interstate 45)**

**The Woodlands Township Board of Directors**

**July 21, 2022**

# TxDOT SH 242 Improvement Project (FM 1488 to Interstate 45)

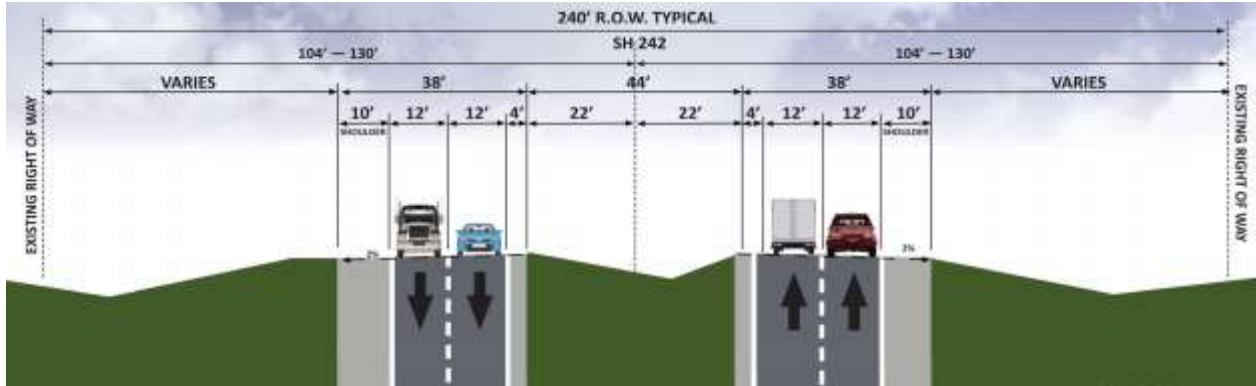
- The proposed project would add two travel lanes (one in each direction) to the middle of SH 242
- Reduce the existing grassy median by 20 feet to accommodate the new lanes and construct a new raised median
- Proposed roadway would then consist of six 12-foot travel lanes with 10-foot outside shoulders and 2-foot inside offsets
- Construct open-ditch drainage
- Construct three storm water detention ponds along SH 242



\*As a special purpose district, The Woodlands Township does not have authority over roadways, major thoroughfare projects or drainage in The Woodlands.

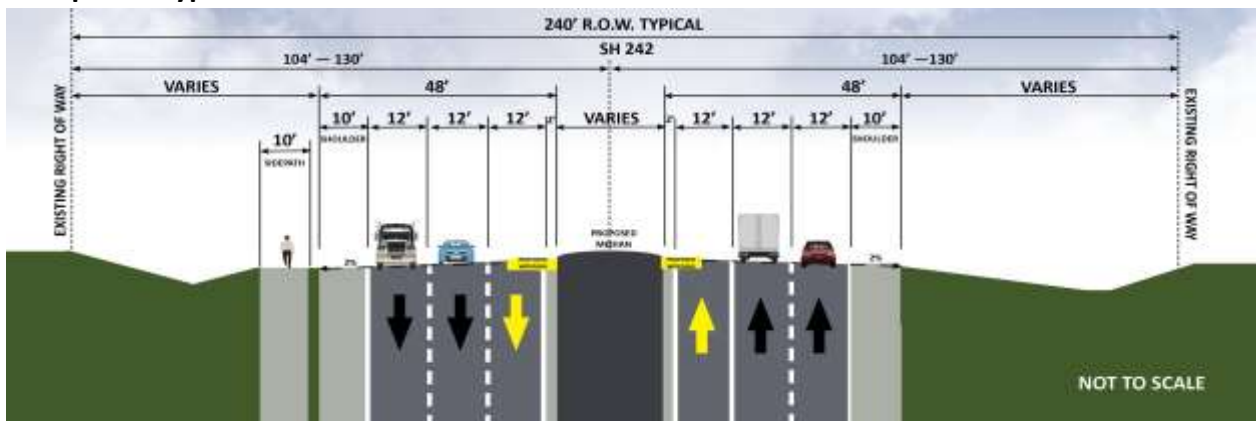
# TxDOT SH 242 Improvement Project (FM 1488 to Interstate 45)

## Existing Typical Section



- Two 12-foot-wide travel lanes in each direction
- 10-foot-wide outside shoulders and 4-foot-wide inside shoulders
- Grassy median dividing the roadway that also serves as a shallow drainage ditch

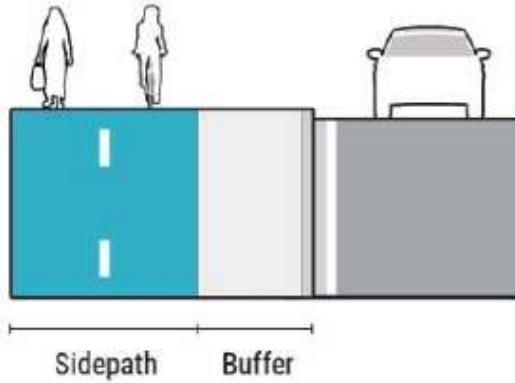
## Proposed Typical Section



- Three 12-foot-wide travel lanes in each direction
- 10-foot-wide outside shoulders and 2-foot-wide inside offsets
- Grassy median reduced to accommodate the additional lane and remaining portion would be converted to a variable-width raised median
- Dedicated turn lanes and median openings would be provided at select locations along the corridor
- Construct a 10-foot-wide shared-use path on the north side of the road

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- A 10' wide Shared Use Path will be constructed along the north side of SH 242 for the entire project length.
- This proposed Shared Use Path completes a planned route shown on The Woodlands Township Pedestrian and Bicycle Master Plan.

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## Proposed Right-of-Way

- 21.2 acres of new right-of-way would be required to construct three storm water detention ponds along the roadway
- No commercial or residential displacements are anticipated

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## Sound Walls

- It was determined certain locations along the project would have reduced sound impacts if sound walls are constructed.
- After this project is environmentally cleared, a noise workshop will be held.
- Impacted persons can vote during the noise workshop on whether to construct sound walls or not.



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## Project Feedback:

### 1. Median landscaping

- The Township will have an opportunity to provide a landscape design after the TxDOT roadway widening project design is complete. TxDOT will fund and let the landscape design project following construction.

### 2. Pathway

- Township staff have engaged TxDOT on the potential to locate the pathway closer to the Township reserve.

### 3. Detention Ponds

- Township staff have requested TxDOT consider detention facility design to reflect the design aspects of other similar facilities within The Woodlands including the possibility of incorporating trails.

### 4. Sound Walls

- Township staff have engaged TxDOT about design options to match community aesthetics including sound wall vegetation.

# **TxDOT SH 242 Improvement Project**

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**Thank you**





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### Sound Walls

Roadway Facing Appearance



Resident Facing Appearance Options

