



# State Highway 5 Pedestrian Connection

City Council Work Session

October 19, 2021



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Director of Engineering

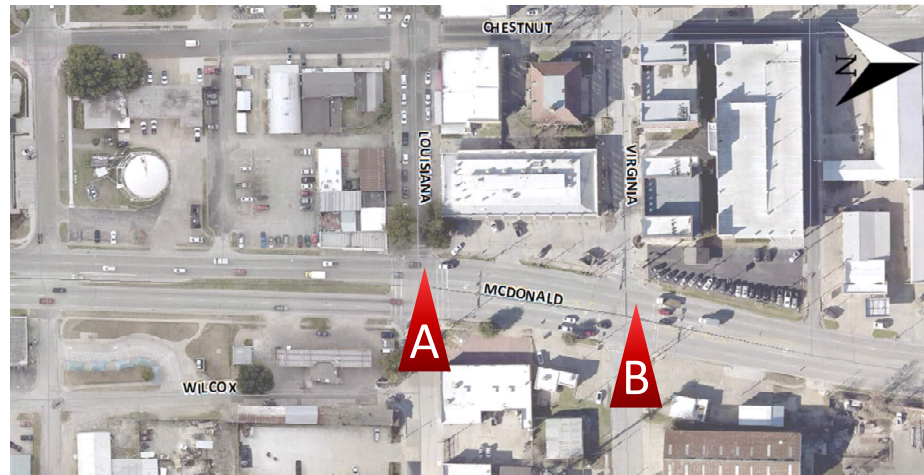
# Existing Conditions



**A** Louisiana Street (Looking West at SH 5)



**B** Virginia Street (Looking West at SH 5)





# Imagine The Possibilities...





# Background and Context

- SH 5 Corridor Context Sensitive Master Plan (Adopted June 2014)
- SH 5 Reconstruction Design Schematic & Environmental Completed by TxDOT in 2020
- Cultural District Placemaking Council Work Session Presentation (March 2020)
  - Council Direction for Staff to Perform High-Level “Deck Park” Feasibility
- East McKinney Redevelopment & Preservation Launch (Late 2020)
- High-Level “Deck Park” Study Completed July 2020
  - Provided 3 Possible Alternatives (Full Depression, Partial Depression, Pedestrian Bridge)
  - Very High-Level Magnitude of Costs and Impacts
- SH 5 Reconstruction SP 399 to North of US 380 (Design Estimated to be Complete in 2022)



# Ongoing Projects

- State Highway 5 (SP 399 – North of US 380)
  - TxDOT Reconstruction (Under Design)
  - City Water / Wastewater Relocations (Under Design)
  - City At-Grade Pedestrian Enhancement Visioning (Underway)
- Adjacent City Streets
  - “Light Up Louisiana” (Substantially Complete)
  - East Louisiana Improvements (Under Design)
  - East Virginia Improvements (Under Design Soon)
- East McKinney Redevelopment
  - Streets & Traffic Study (Underway)
  - Municipal Complex (Under Design)



East McKinney Redevelopment and Preservation Project Location Map

- Planned Development
  - Mixed Use (Northeast Corner SH 5 & Virginia St)
  - TUPPS Brewery



# Impacts to SH 5 Project

- Environmental Document
  - TxDOT has Completed the NEPA Environmental Study for the Existing SH 5 project.
  - Depending on the Requested Change, TxDOT will Require a New Environmental Evaluation or Reevaluation of the Approved Document.
  - The Evaluation will Include the Study of All Feasible Alternatives.
- Continued Environmental Evaluation will Cause the Need for Another Public Hearing
- Depending on the Alternative Selected, the SH 5 Project may be Impacted
  - Construction Schedule
  - Design and Construction Funding
  - Improvements Could be Bid as Separate Projects
  - Improvements Could be Combined into the Current Project
- Potential to Take SH 5 off-system





# Guiding Principles

- Improve Mobility, Safety, Comfort, and Access for All Modes and Ages
- Strengthening Connections between Historic Downtown and Redeveloping Areas to the East.
  - “Stitching” and “Knitting” Communities East & West of SH 5
- Provide a Community Centered Design that Amplifies the Existing Identity and Sense of Place.
- Foster Public Life by Creating Opportunities for Community Gathering Spaces.
- Connecting the Community and People Previously Disconnected by the Highway – Environmental Justice.
- Enhancing the Downtown McKinney Historic Cultural District.
- Develop a Fiscally Sustainable Solution.
- Engage with Stakeholders to Determine Public Support.



# Range of Alternatives

*Low  
Cost/Impact to  
Implement*

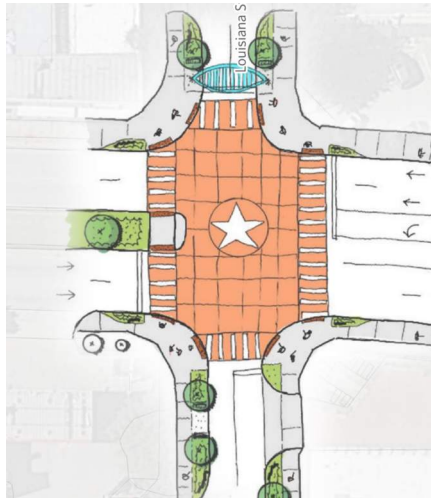
*High Cost/Impact  
to Implement*



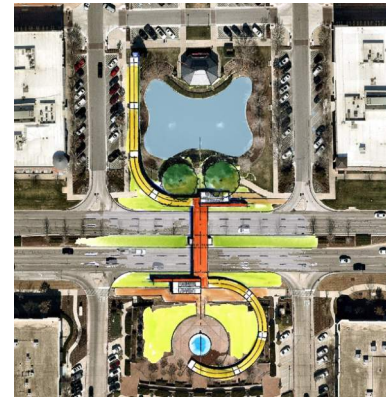
TxDOT Minimum  
Requirements



City-Funded  
At-Grade  
Enhancements



Grade  
Separated  
Walkway



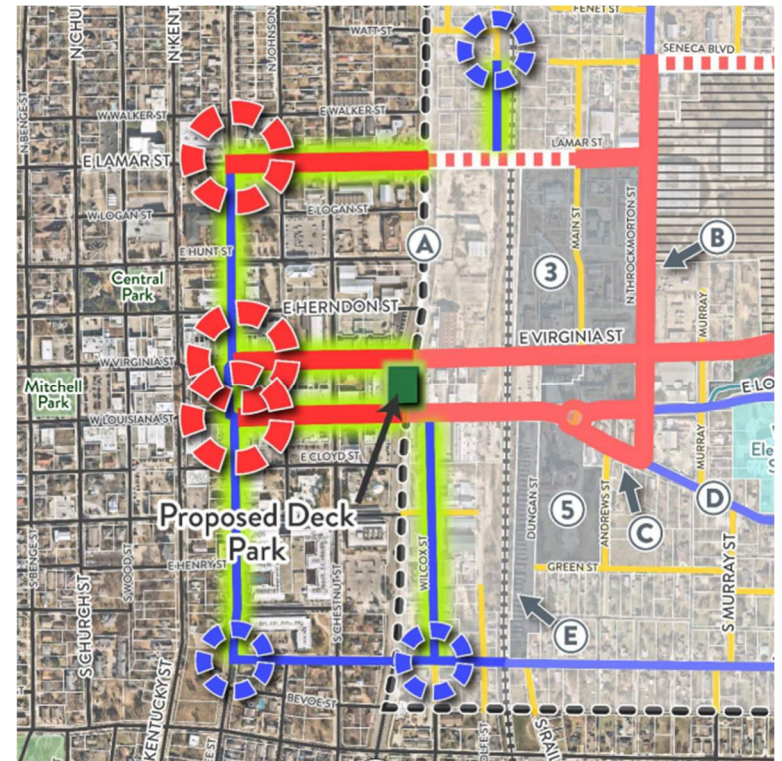
Grade  
Separated  
Deck Park





# Feasibility Study Operational Impacts

- Access/Circulation Impacts
  - How will Access to Historic Downtown and Redeveloping Areas be Provided?
- Property Impacts
  - How will Access to Existing Businesses along SH 5 be Provided?
  - Property Displacements





# Feasibility Study Operational Impacts

- Drainage / Operations & Maintenance
  - Will a Depressed SH 5 be Able to Drain Without Pumps?
  - Ventilation requirements
- Initial Environmental Impacts Assessment
- Public Involvement
  - Initial Public Input on Alternatives
  - Renderings





# Deck Park Examples



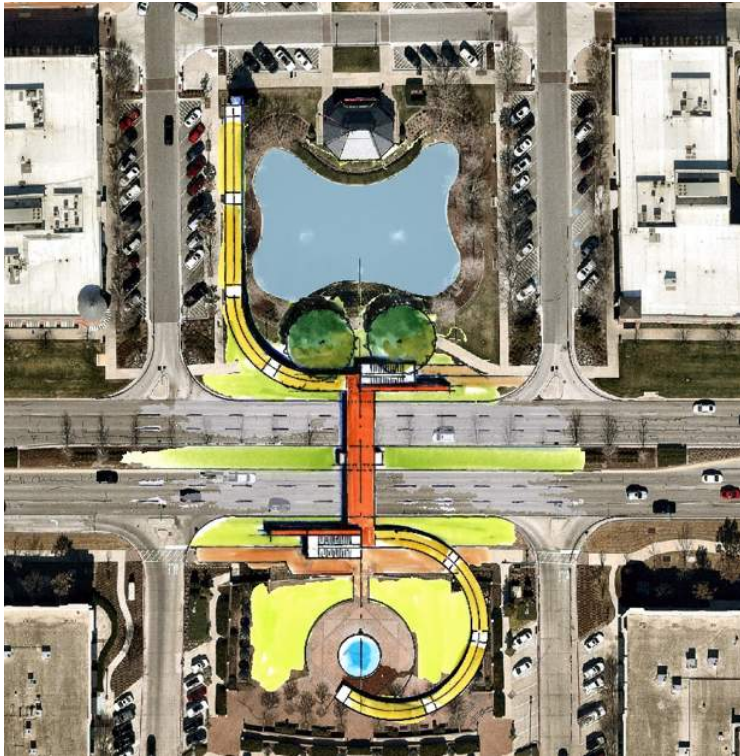
- Klyde Warren
  - 20% City contribution
  - Total: \$110M



- Southern Gateway – Phase 1
  - 10% City contribution
  - Total: \$82M



# Grade Separated Pedestrian Walkway Examples





# Enhanced At-Grade Crossing Examples



- Alternatives include:
  - Improvements within TxDOT ROW.
  - Improvements which would Require Additional ROW (Further Impacts)

# Recommended Path Forward

- **Phase 1 Feasibility Study Contract**

- Contract to City Council (November 2021)
- City Funded (\$300k - \$400k Estimated)
- Evaluate Full Range of Alternatives and Associated Considerations
- Update to City Council on Phase 1 Study Efforts (Q1 2022)
- Public Outreach (Q2 2022)
- Update to City Council on Public Input and Provide Direction to Staff (Q2 2022)

- **Phase 2 Feasibility Study Detailed Environmental and Schematic Design**

- Contract Scope and Impacts to SH 5 Project Dependent Phase 1 Preferred Alternative
- Federal Funding Through NCTCOG Available Summer 2022 (\$1.6M Programmed)
- Timeline to Complete Unknown (Minimum 1 year)

- **Project Design and Construction**

- Contingent on Approval of Phase 2 Efforts and Identification of Funding for Detailed Design, Land Acquisition, and Construction Phases.

