Key Transit Issues

• Capacity for queuing of customers
  o 40% transit mode split target
  o 26,000+ customers with Southwest & Bottineau LRT
• Pedestrian access – especially at Chicago & 4th Street
• Permanent bus layover facility for regular service
Event Operations

Operations and Queuing

- Downtown East Ramp block required for queuing post event to accommodate projected ridership.

- Northwest corner of the block to be developed as open plaza for LRT operations and non event day functions.

- Southeast corner of block to undergo minimal renovations to improve LRT queuing operation and platform access.
LRT Operations

• Regular Revenue Service = 5 minute combined headways
  o A train will pass through the intersections of 4th and Chicago Avenue and 5th Street and Park Avenue every 2.5 minutes on average

• Game Day “special” trains
  o Increased frequency = train passing intersection every 2 minutes on average
Pedestrian LRT Crossing

12 trains per hour per direction
+ 5 special event trains
= Average 120 seconds headway (two-way)

2,100 pedestrians

2013

2019

15 min.
Schematic Pedestrian Bridge

Optimal Pedestrian Flow

- Pedestrian bridge integrated with LRT queuing and operation
- Provide control of 4th St. at-grade crossing
Optimal Pedestrian Flow

• Extends the plaza experience
• Clearly visible from stadium doors
• Safely conveys people across LRT tracks
Optimal Pedestrian Flow
• Safely conveys people across LRT tracks
• Extends the plaza experience
• Clearly visible from stadium doors
Optimal Pedestrian Flow

- Extends the plaza experience
- Maintains ample queuing space for LRT boarding
Optimal Pedestrian Flow

- Safely conveys people across LRT tracks
- Alignment with 4th Avenue clearly indicates travel pattern
Examples of Pedestrian Bridges

Citi Field, New York, NY
M&T Bank Stadium, Baltimore, MD
Caxton Roma, Brisbane, AU
Apogee Stadium, Denton, TX
County Coliseum, Oakland, CA
Giants Stadium, Rutherford, NJ
DTE Area Enhancement Funding

- $6,000,000
- $2,000,000
- $700,000

RTC

MSFA Contribution

Identified in CIP - Source TBD
Summary and Next Steps

• Memo of Understanding with MSFA

• Issue Request for Proposals

• Execution and recording of agreements
  o Development Agreements
  o Easements
  o Operation and Maintenance Agreements

• Coordinate with project stakeholders to integrate LRT Station with area improvements & pedestrian crossings

Questions?