Dave Gedeon
Vice President of Transportation
Toledo Metropolitan Area Council of Governments (TMACOG)
The Toledo Regional Connections to Hyperloop

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VICE PRESIDENT OF TRANSPORTATION
TOLEDO METROPOLITAN AREA COUNCIL OF GOVERNMENTS
What is TMACOG?

- Federally designated Metropolitan Planning Organization (MPO) for Lucas and Wood counties in Ohio & southern Monroe County, Michigan
- Responsibilities include transportation and water quality planning
TMACOG Participation

- Signed a letter of intent to collaborate with NOACA on Hyperloop in 2018.
- Hosted a stakeholder meeting on October 17, 2019 to disseminate information and get local feedback.
Why Hyperloop? Why Toledo?

- Transformative technology
- Critical north-south link
- Toledo is a transportation and logistics hub

Toledo is a logical and essential location for hyperloop
Transformative Technology

- 500-600 mph average speed – comparable to air travel
  - Approx. 20 minutes to Cleveland, 30 minutes to Chicago, 40 minutes to Pittsburgh
- Transport over 160,000 daily passengers
- Move over 4,000 cargo shipments daily
Critical North-South Link
Critical North-South Link

Percentage of Commercial Vehicle Traffic
Based on Average Daily Traffic Volumes for Interstate, U.S. Routes, and State Routes only.
Percentage of total traffic that are commercial vehicles:
- 1.0% - 10.0%
- 10.1% - 20.0%
- 20.1% - 30.0%
- 30.1% - 40.0%
- > 40.0%

Average commercial ADT and percentage of commercial vehicles for selected routes:
- I-80 (Ohio Turnpike): 10,121; 36.4%
- I-76: 13,701; 22.9%
- US 24 (west of I-475): 5504; 18.0%
- US 23 (north of I-475): 7703; 16.2%
- I-280: 6221; 15.8%
- I-475: 5952; 9.4%

Average daily traffic volume data collected from 2011 to 2013; collection year varies by county.
Commercial Vehicles: All classes of trucks/buses
Source: Ohio Department of Transportation, Michigan Department of Transportation

Map date: 1/5/16
Critical North-South Link
Toledo is a Transportation Hub
GORDIE HOWE INTERNATIONAL BRIDGE
Gordie Howe International Bridge

- Expected completion in 2024
- $5.7 B Investment
- 25% of the trade between US & Canada flow between Detroit and Windsor
- Ambassador Bridge currently carries over 2.5 million commercial trucks and $120 B in goods per year
Gordie Howe International Bridge

- 3 Travel Lanes in each direction
- Canadian Port of Entry
  - 24 Inspection Booths
  - 16 Toll Booths for both the US-bound and Canada-bound traffic
- United States Port of Entry
  - 36 Inspection Booths

With reduced travel times and increased efficiency through inspection booths, commerce is expected to increase with much of that flowing through Toledo.
Hyperloop Station
Local Challenges

• Improved connections for freight movement
• Expand transit options for elderly and disabled to travel to and from station and local key destinations
• Location specific improvements for connections to highway system
• Opportunity for transit-oriented development in the vicinity the station poses potential land use and infrastructure challenges
Thank you!

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