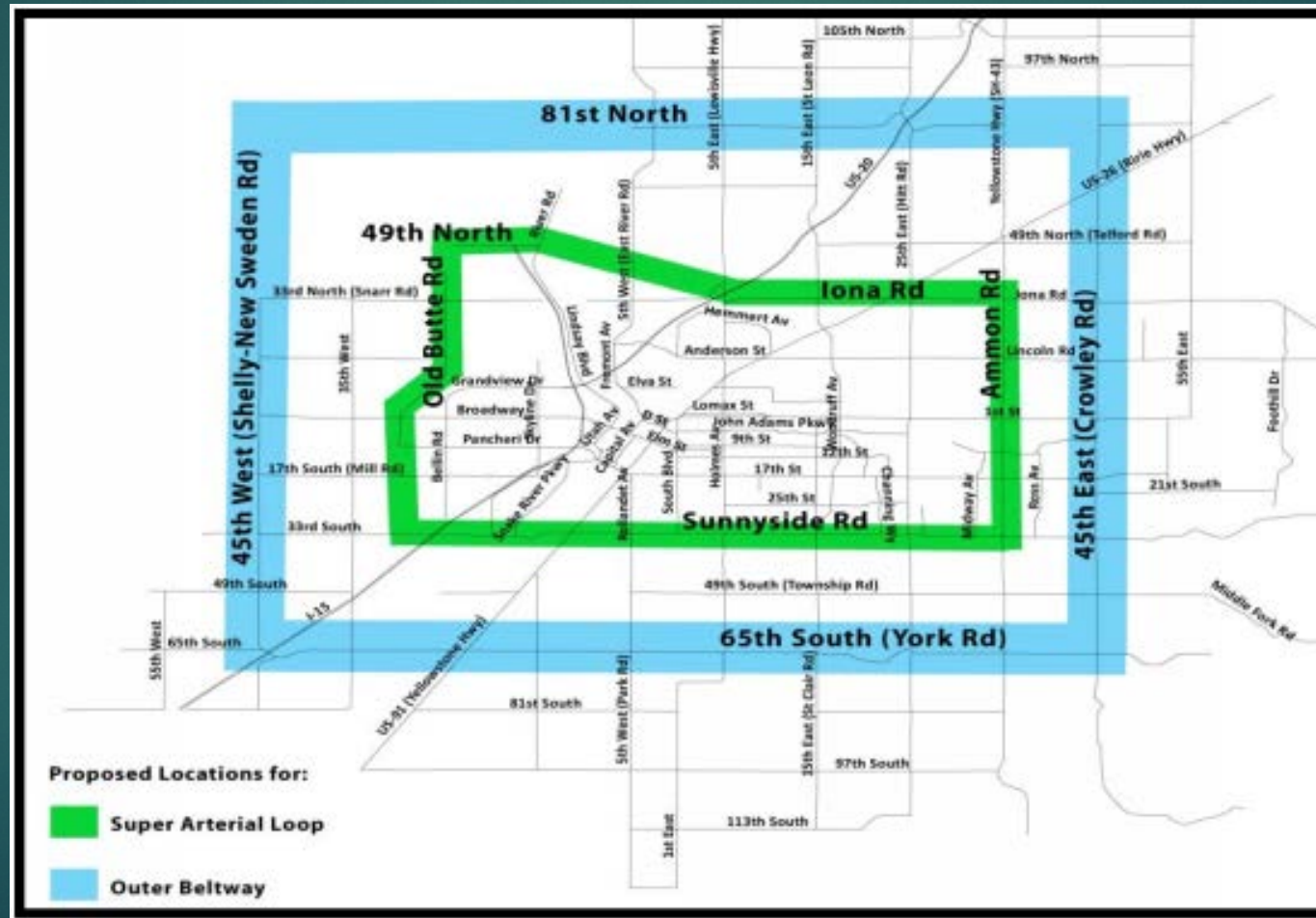


# Beltway Study Alternatives

UPDATE FOR JOINT BMPO POLICY BOARD / TAC

JUNE 14, 2017

# Beltway Concept - Transportation System Alternatives (TSA) Study



# TSA Definitions of Beltway Roads

- ▶ Inner Beltway
  - ▶ 5 lane roadway
  - ▶ Median that limits turns to major intersections spaced at least ½ mile apart
- ▶ Outer Beltway
  - ▶ 6 lane expressway with at-grade intersections spaced at least 1 mile apart
  - ▶ Similar to Bangerter Highway (Salt Lake Valley)

# Agency Staff Concerns / Issues with Beltway Concept

- ▶ Inner beltway ("Super Arterial Loop")
  - ▶ Limiting left-turn access to ½ mile spacing not feasible in many areas due to existing development
  - ▶ Do 5 lane roadways really meet long-term needs?

# Agency Staff Concerns / Issues with Beltway Concept (Cont.)

- ▶ Outer beltway
  - ▶ Feasibility of finding an “expressway” alignment where access could be limited to 1 mile spacing is questionable, especially on the east side
  - ▶ Continuous “expressway” around the planning area may not be needed or the most cost-effective solution to long-term needs

# TAC Subcommittee Recommendations - Expressways

- ▶ Define corridor for expressway connection between I-15, US-20, and US-26 on north side of planning area
- ▶ Evaluate need for expressway bypassing current development on the west side
  - ▶ Likely connection to I-15 north would be at the expressway to US-20 and US-26
- ▶ Expressways could be similar to existing US-20

# TAC Subcommittee Recommendations – Strategic Arterials

- ▶ Identify roadways that should be developed as “Strategic Arterials” as defined by the Access Management Plan
  - ▶ 120 foot right-of-way
  - ▶ 6 lane section with median
  - ▶ ½ mile signal spacing, ¼ mile access spacing

# TAC Subcommittee Recommendations – Strategic Arterials

- ▶ Key north-south and east-west roadways throughout the planning area
  - ▶ Primarily in the developing areas on the periphery
  - ▶ Could include roadways in currently developed areas



# TAC Subcommittee Recommendations – Access Management Plan Update

- ▶ Add new Expressways
- ▶ Add new Strategic Arterials
- ▶ Re-designate all Strategic Arterials as either Truck/Auto priority or Shared priority

# TAC Subcommittee Recommendations – Access Management Plan Update (Cont.)

- ▶ Add missing typical sections
  - ▶ Strategic Arterials with Shared priority
  - ▶ Principal Arterials with Truck/Auto priority
- ▶ Refine existing typical sections
- ▶ Incorporate additional updates as appropriate

# Summary of Recommendations

- ▶ Identify expressway alignments
  - ▶ North side of planning area
  - ▶ Possible west side
- ▶ Identify strategic arterials
- ▶ Update access management plan

# Next Steps

- ▶ Prepare scope outline for consultant services, including:
  - ▶ Technical analysis
  - ▶ Public involvement
  - ▶ Corridor preservation
- ▶ Prepare estimate of cost of consultant services

# Next Steps (Cont.)

- ▶ Determine funding for the study
- ▶ Procure consultant services and carry out the study
- ▶ Official adoption of results by BMPO and the individual member agencies to ensure that right-of-way preservation occurs across jurisdictional boundaries