

K-10

West Leg

South Lawrence Trafficway

Lawrence City Council

September 1, 2015

PROJECT #:

10-23 KA-3634-01



Agenda

1. Welcome/Introductions
2. Overview of 2 Access Alternatives
3. Traffic/Safety
4. Access Locations
5. Next Steps

Introductions

Overview of 2 Access Alternatives

Lecompton Access - No Clinton Pkwy access

Farmer's Turnpike Access - Clinton Pkwy access

Traffic Safety

1. Travel Sheds
2. Mainline and Intersection
Traffic Operations
3. Safety

Travel Sheds

TRAFFIC/SAFETY



Travel Shed to Topeka

● - Interchange

X - No interchange

Travel Sheds

TRAFFIC/SAFETY



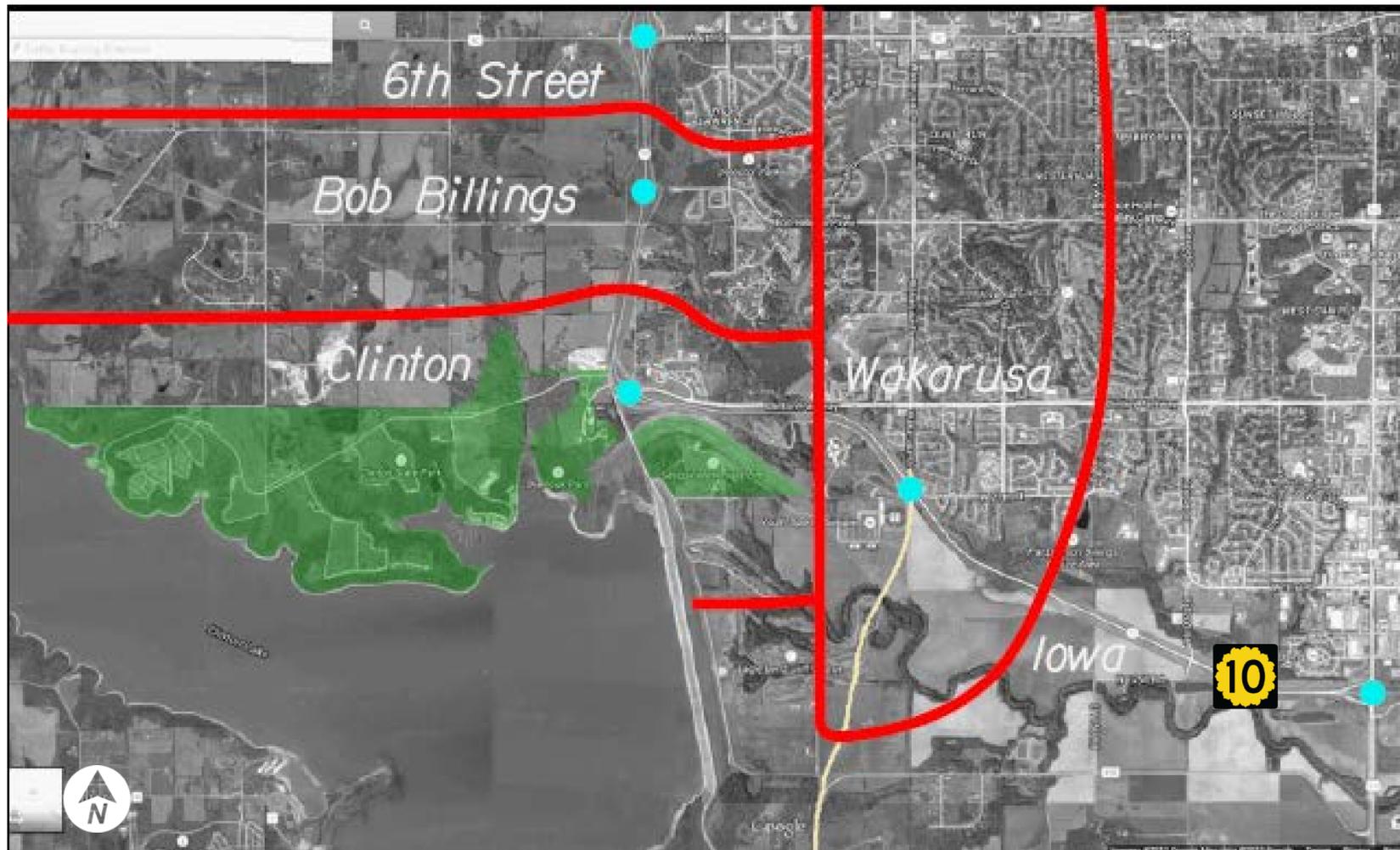
Travel Shed to Topeka

● - Interchange

X - No interchange

Travel Sheds

TRAFFIC/SAFETY



Travel Shed to Olathe

● - Interchange

X - No interchange

Travel Sheds

TRAFFIC/SAFETY



Travel Shed to Olathe

● - Interchange

X - No interchange

EXHIBIT 1

**South Lawrence Trafficway
2040 Volume Comparisons**

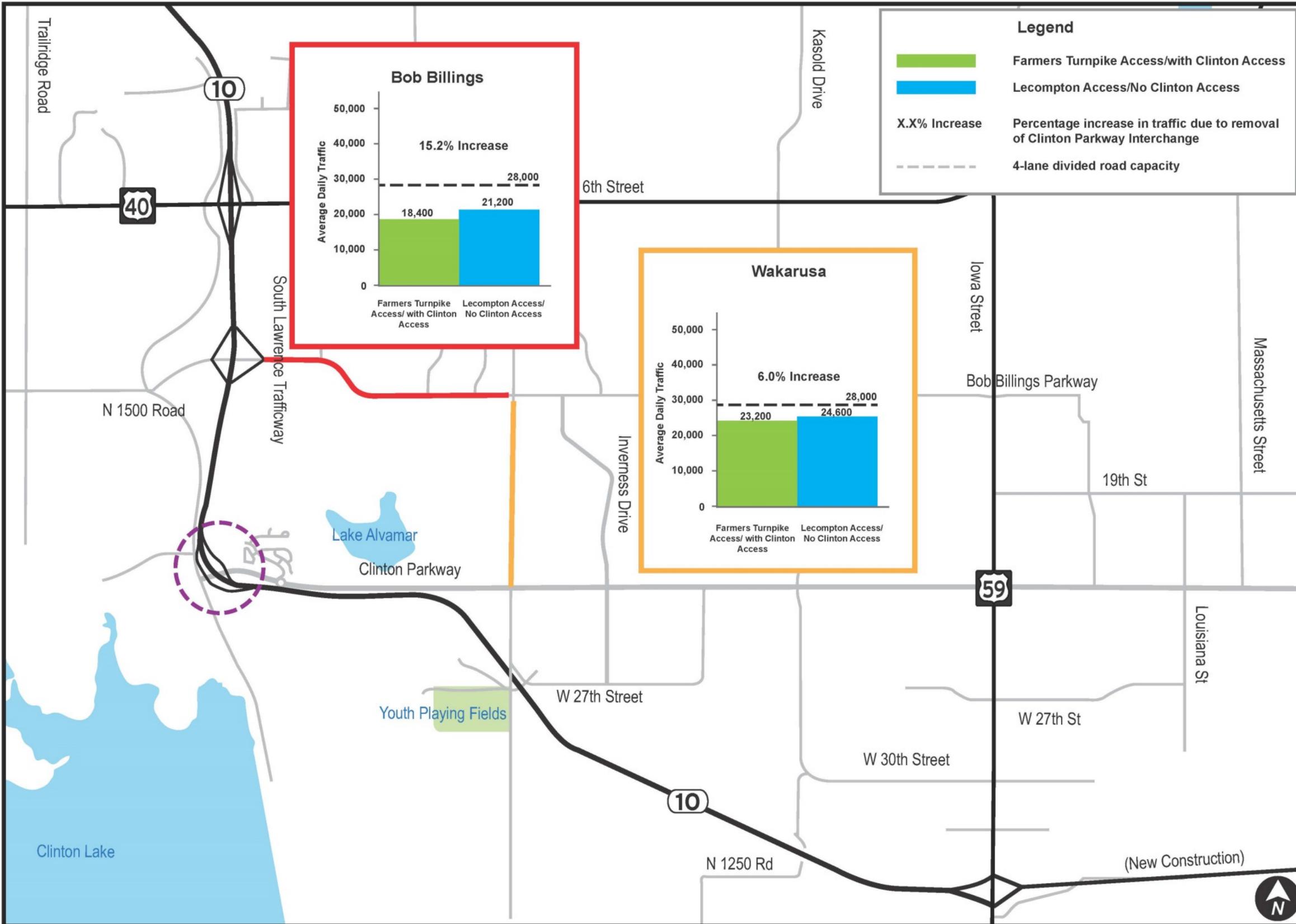








EXHIBIT 4

**South Lawrence Trafficway
 Future 2040 Lecompton Access
 No Clinton Access
 AM Level of Service**





Safety

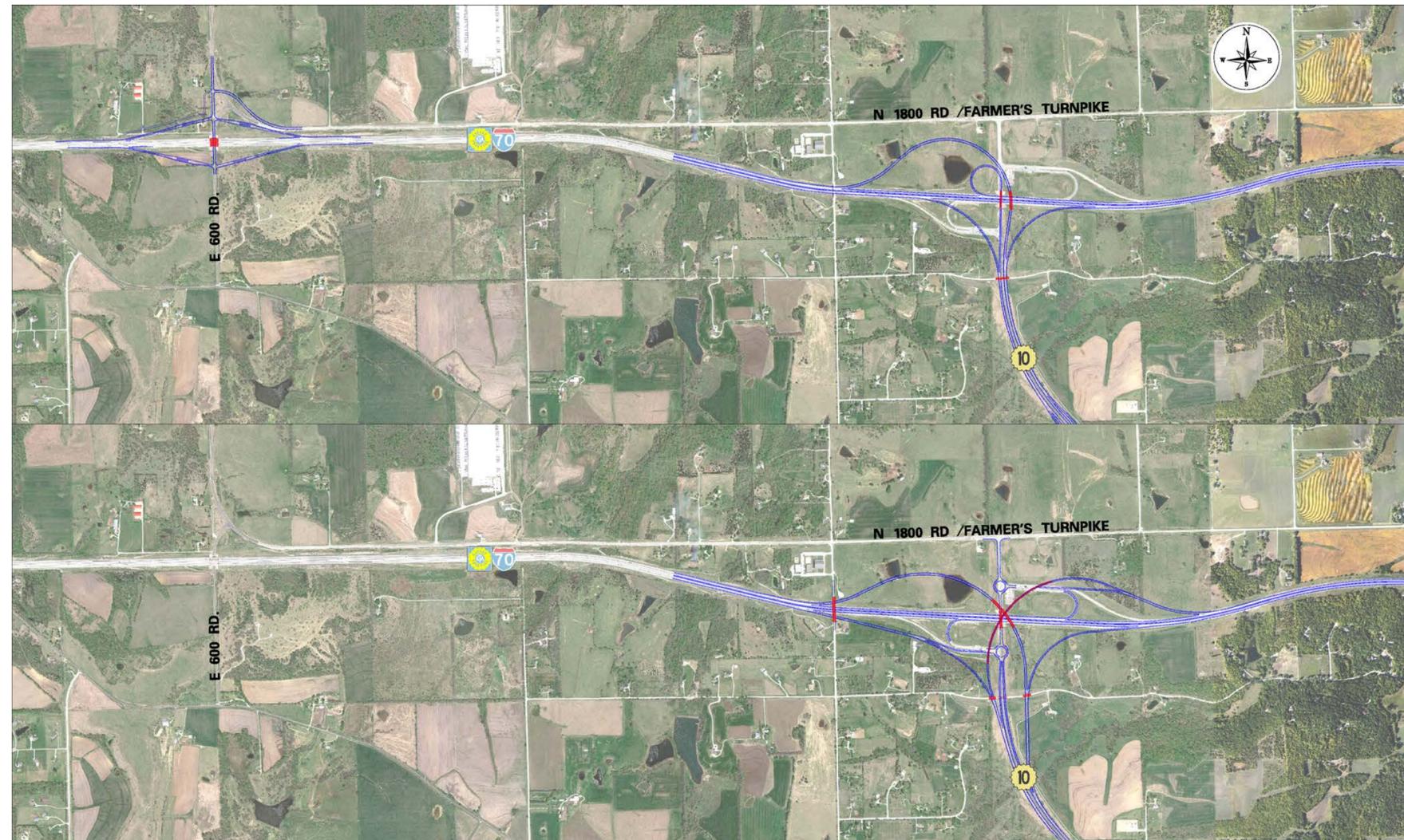
I-70 and SLT Predicted Future Crashes			
Percent Change of 2040 Predicted Crashes			
	No-Build vs. New Lecompton Access Alt.	No-Build vs. Farmers Turnpike Access Alt.	New Lecompton Access Alt. vs. Farmers Turnpike Access Alt.
Fatal	-21.1%	-5.9%	19.3%
Injury	-31.2%	-18.1%	19.0%
PDO	-19.4%	-3.7%	19.5%
Total	-23.6%	-8.7%	19.4%

Access

1. Farmer's Turnpike
2. Clinton Parkway
3. Wakarusa / 27th Street /
Wakarusa Access
4. Kasold Drive

Farmer's Turnpike

- System Interchange at K-10/I-70
- Lecompton Road Interchange and K-10/I-70 Interchange
 - Increased safety
 - More efficient operations
 - Less costly, complex interchange
 - Convenient access to Lecompton & Kansas River crossing
 - Expandability in the future
- K-10/I-70/Farmer's Turnpike Interchange
 - Maintains K-10/Farmer's Turnpike direct access



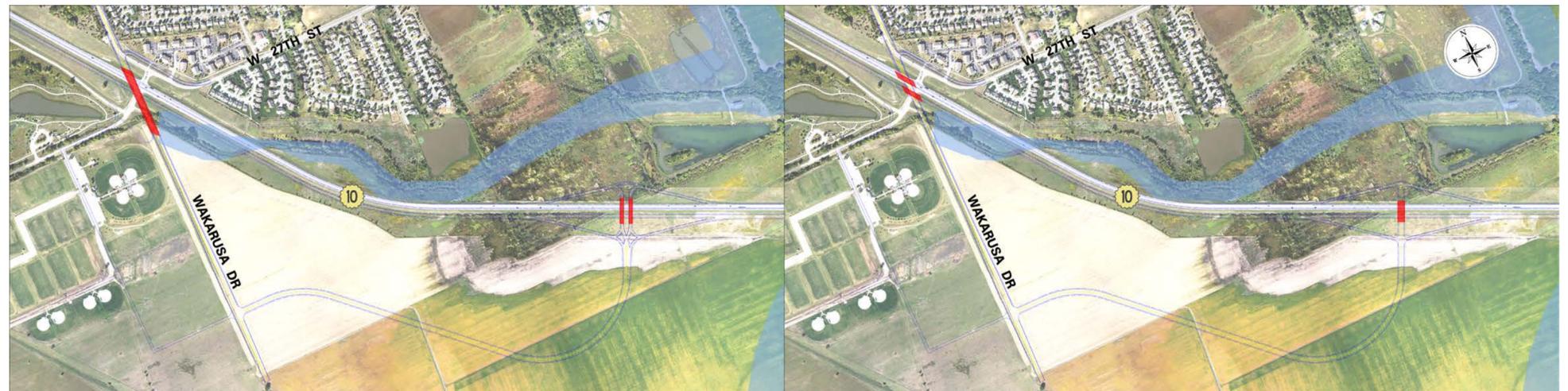
Clinton Parkway

- Traffic/Safety
 - One of the lowest volume interchanges - now and in the future
 - Merge/Diverge in curve - decreased safety
- Constraints - emergency spillway, residential development, major utilities
- Frontage Road (Dam Road to Bob Billings)
 - Interchange - Maintenance of Traffic (MOT) during Construction
 - Underpass - Local street connectivity & MOT
- Shared use path - may require re-routing through residential development
- Cost/Benefit
 - Interchange - higher cost for lower benefit



Wakarusa /27th Street/Wakarusa Access Interchange

- Proposed new Wakarusa Access Interchange
 - Plan with Original EIS (1990)
 - Intersection geometry
 - Constraints
- 27th Street Access
- Shared Use Path Access
- Youth Sports Complex Access
- Future Growth
- Wetlands Impact



Kasold Drive

- Long Range Transportation Plan
 - Kasold Drive access/connectivity eliminated
- Floodway/Floodplain
 - Yankee Tank and Wakarusa River floodway crossings
- Traffic/Safety
 - Low traffic volume
- Cost/Benefit
 - High cost for low benefit to build K-10 over Kasold Drive



Wrap up

Next Steps

- Public Officials Meetings this week
- Identify Preferred Alternative - Mid to Late September
- Technical Advisory Group Meeting - Early October
- Public Information Open House - Mid to Late October
- Document Preferred Alternative - Late Fall

K-10

West Leg

South Lawrence Trafficway

DATE:

September 1, 2015

PROJECT #:

10-23 KA-3634-01
