CIP Project Update

SIGNAL SYNCHRONIZATION PROGRAM

Strategic Plan 2015 Goal:

2. Set the Standard for a Safe and Secure City

- 2.4 Improve motorist safety

7. Enhance and Sustain El Paso's Infrastructure Network

- 7.3 Enhance a regional comprehensive transportation system

8. Nurture and Promote a Healthy, Sustainable Community

- 8.5 Improve air quality throughout El Paso

January 27, 2015

Signal Synchronization Program

Project Manager	Jiann-Shing Yang, P.E.
District	Citywide
Approved Budget	$4,500,000
Source of Funding	Street Infrastructure Plan (Certificates of Obligation)

Signal Synchronization Program

PROJECT MANAGEMENT TEAM

City of El Paso's Project Manager	Jiann-Shing Yang, P.E. El Paso Department of Transportation (EPDOT)
Consultant's Project Manager	Lourdes Cardenas, P.E. Walter P. Moore
Consultant's Project Manager	Mark Salazar, P.E. Huitt-Zollars
Consultant's Project Manager	Rafael Martinez, Jr., P.E. Martinez Engineering Group
Consultant's Project Manager	Susan Langdon, P.E. Savant Group

Signal Synchronization Program

PURPOSE/PUBLIC BENEFIT

- Purpose
  - Optimize the traffic signal system/corridors by retiming all signalized intersections within city limits
- Public Benefit
  - Enhance traffic flow/reduce travel time
  - Improve pedestrian safety
  - Reduce emissions/improve air quality
  - Bring signal system into compliance with new state and national standards
  - Upgrade traffic signal system equipment

Signal Synchronization Program

PROCESS

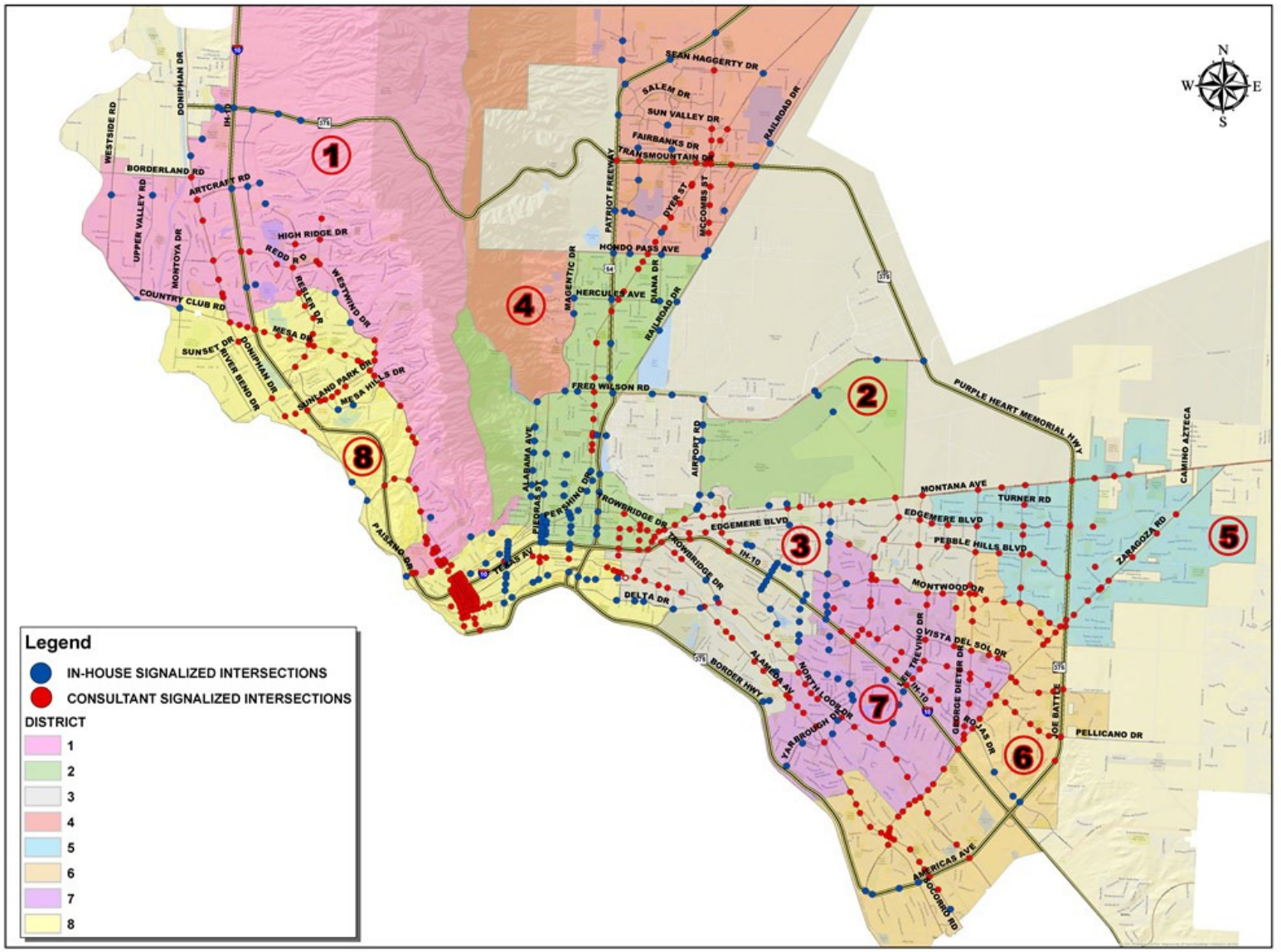
- Conduct traffic counts of signalized intersections to identify traffic patterns
- Identify corridors for optimized signal synchronization
- Procurement of goods/services for traffic signal synchronization retiming
- Design, plan and implement intersection geometric/equipment improvements to accommodate new signal timings
- Implement new signal timings
- Analyze impact of signal retiming efforts on traffic patterns

Signal Synchronization Program

PROJECT DISTRIBUTION

- Total of 646 signalized intersections within city limits.
  - EPDOT staff to retime 30 percent of the signals.
  - Consultants contracted to provide professional traffic engineering services to complete 70 percent of signal retiming.

SIGNAL SYNCHRONIZATION PROGRAM



All Signalized Intersections

Signal Synchronization Program

PROJECTS

- Downtown Triple-A Ballpark Circulation Study
- Downtown Central Business District (CBD) System
- Mesa System
- Dyer System
- Alameda System
- Montana System
- Far East System

Signal Synchronization Program

PROJECTS

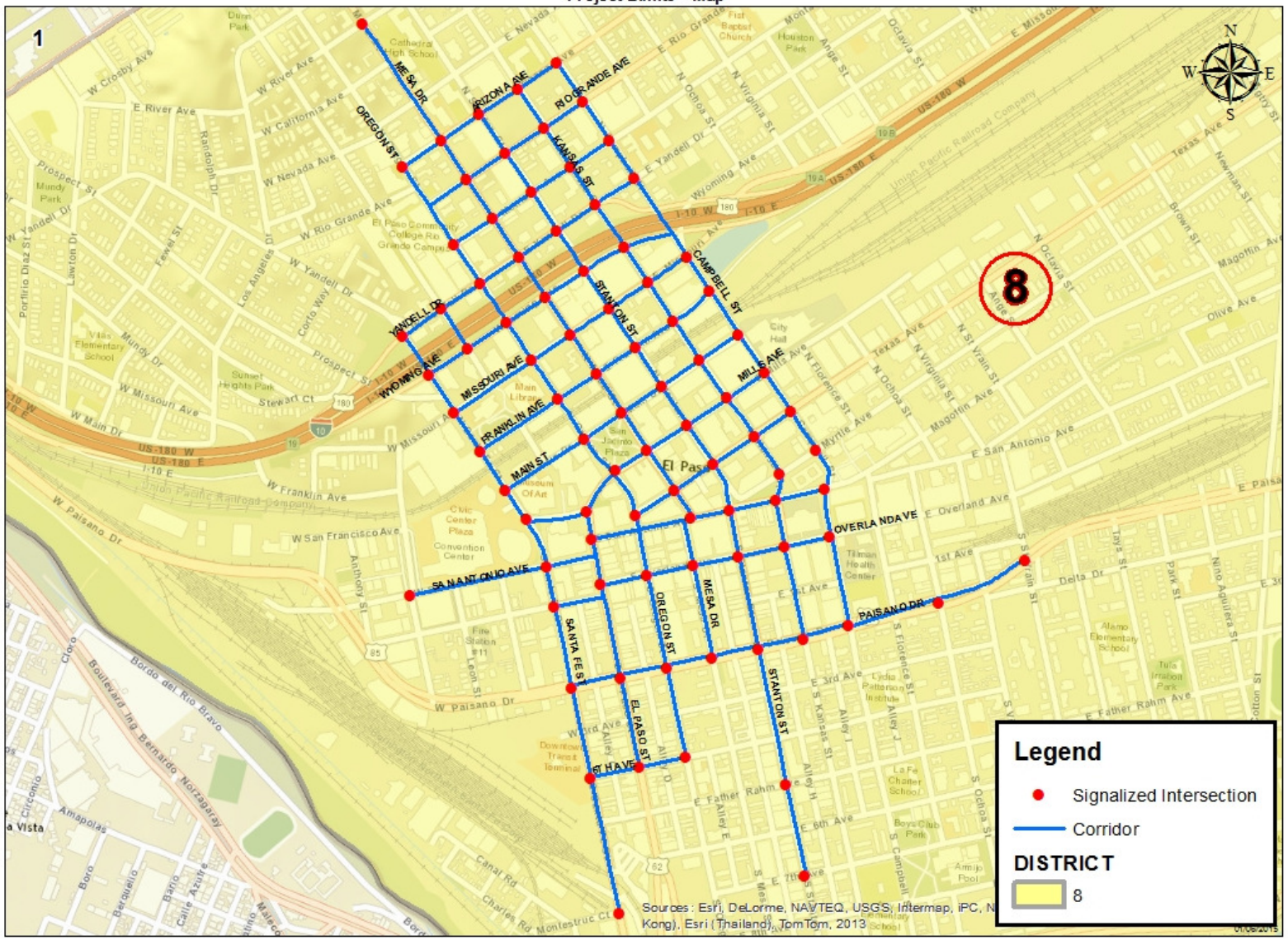
DOWNTOWN TRIPLE-A BALLPARK CIRCULATION STUDY

COMPLETED

- Public Parking Plan
- Event Ingress/Egress Routes
- Signal Timing for Events
- Exclusive Pedestrian Signal Phase/Pedestrian Pathway
- Mass Transit Coordination for Events
- Multi-agency Event Coordination
  - Traffic Control
  - Evacuation Plans

IN PROGRESS

Downtown CBD System Signal Synchronization
Project Limits - Map

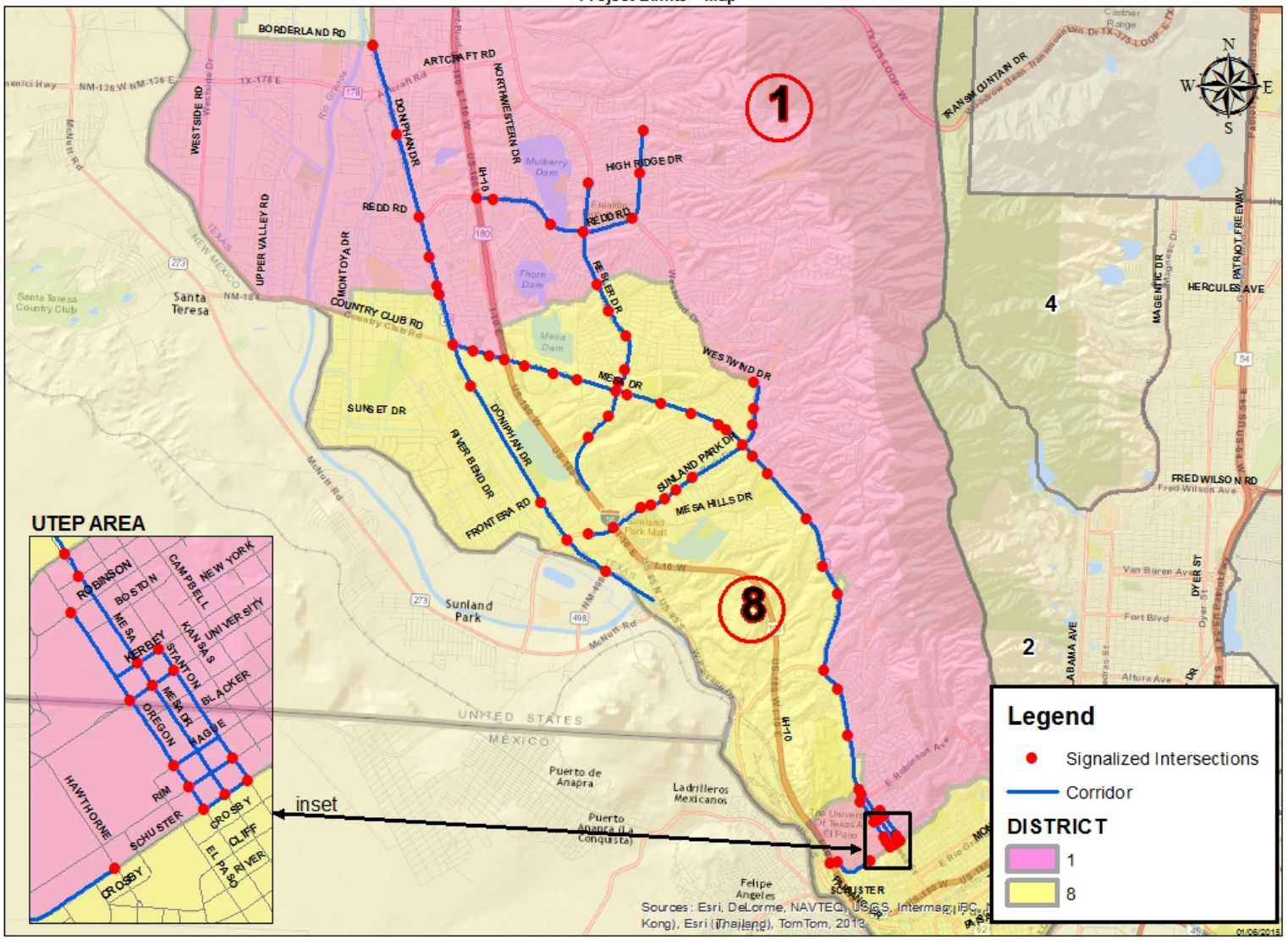


Total intersections: 90

Consultant: Walter P. Moore

IN PROGRESS

Mesa System Signal Synchronization
Project Limits - Map

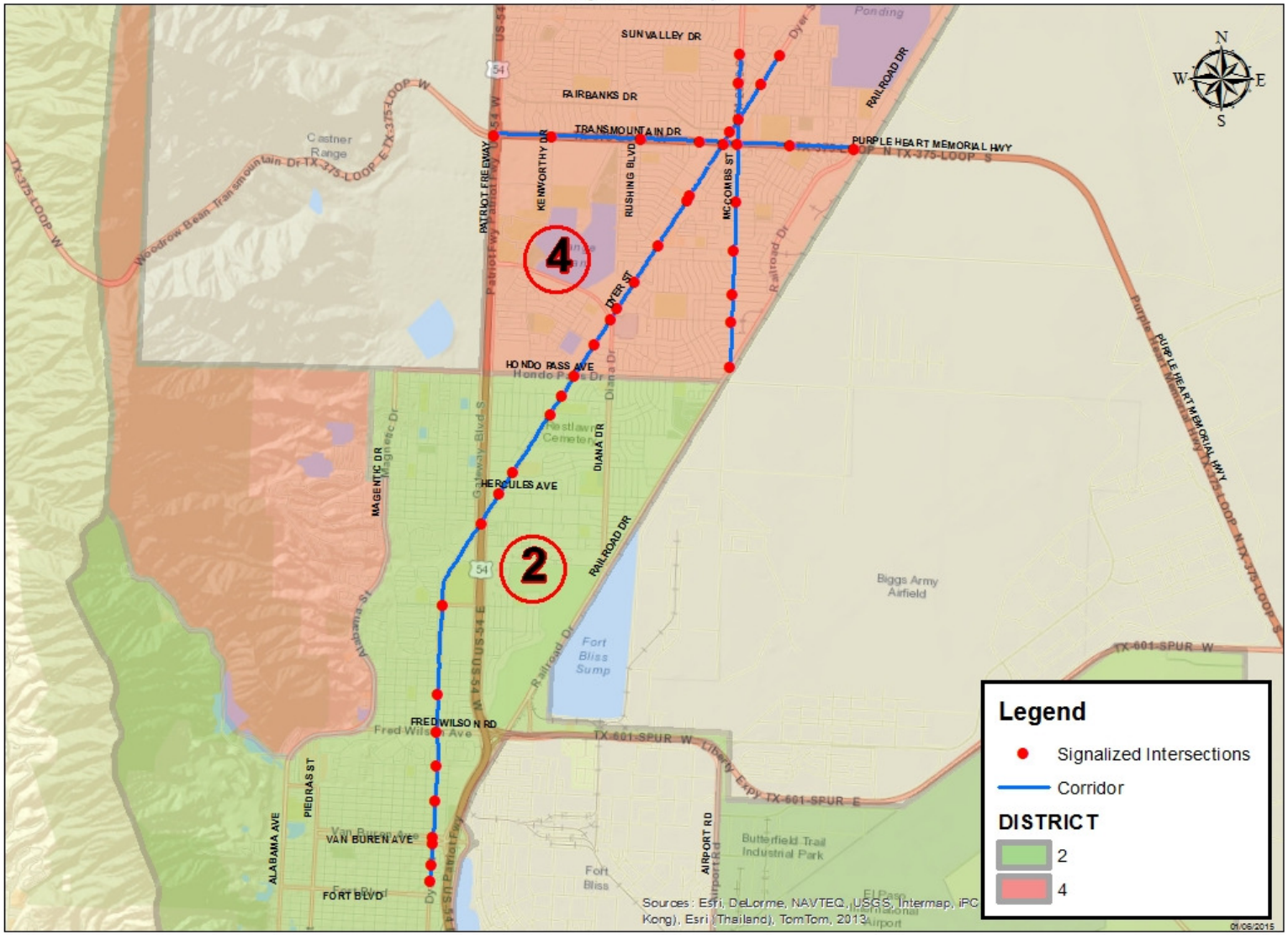


Total intersections: 78

Consultant: Huitt-Zollars

IN PROGRESS

Dyer System Signal Synchronization
Project Limits - Map

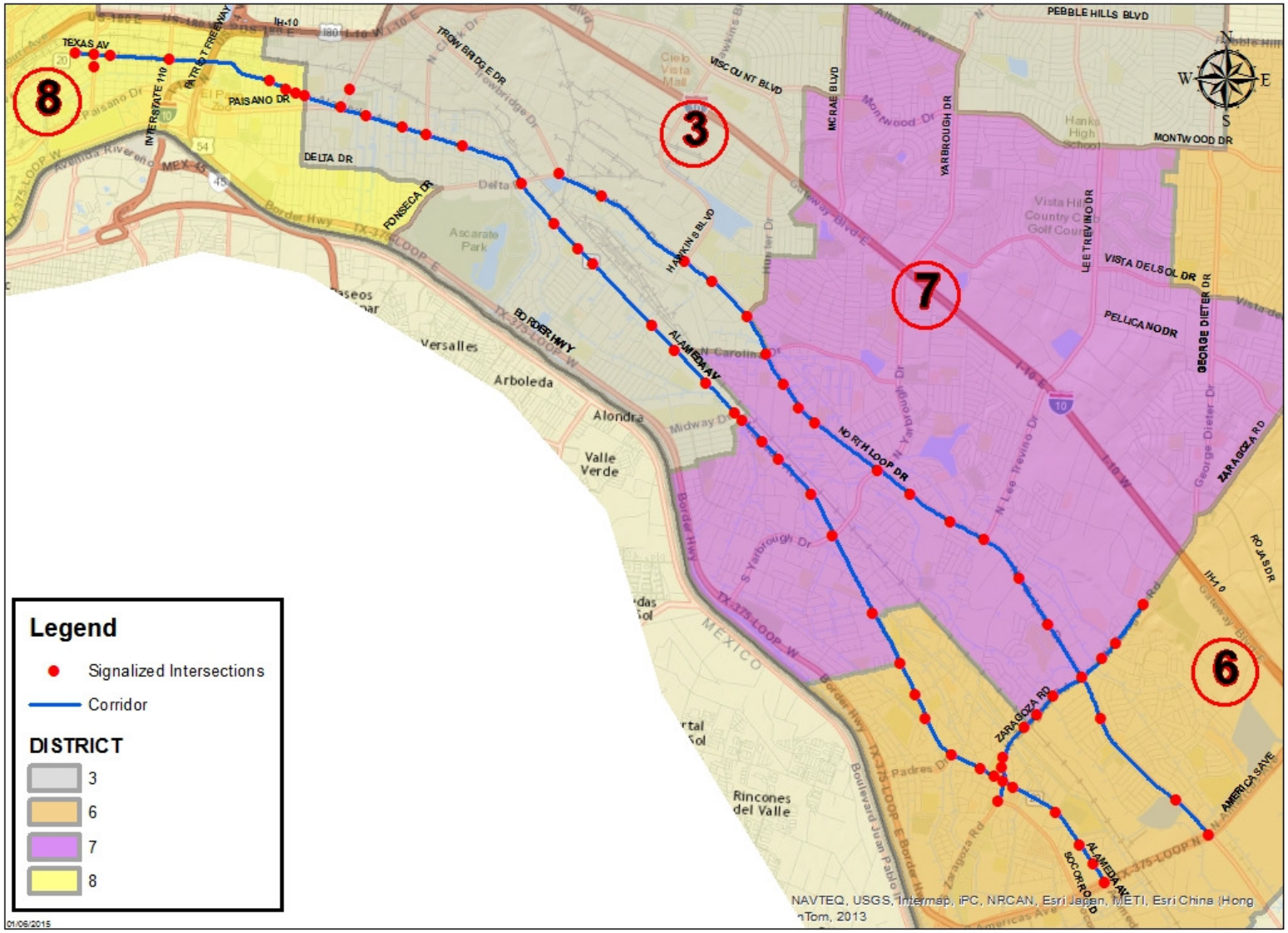


Total intersections: 43

Consultant: Huitt-Zollars

IN PROGRESS

Alameda System Signal Synchronization
Project Limits - Map

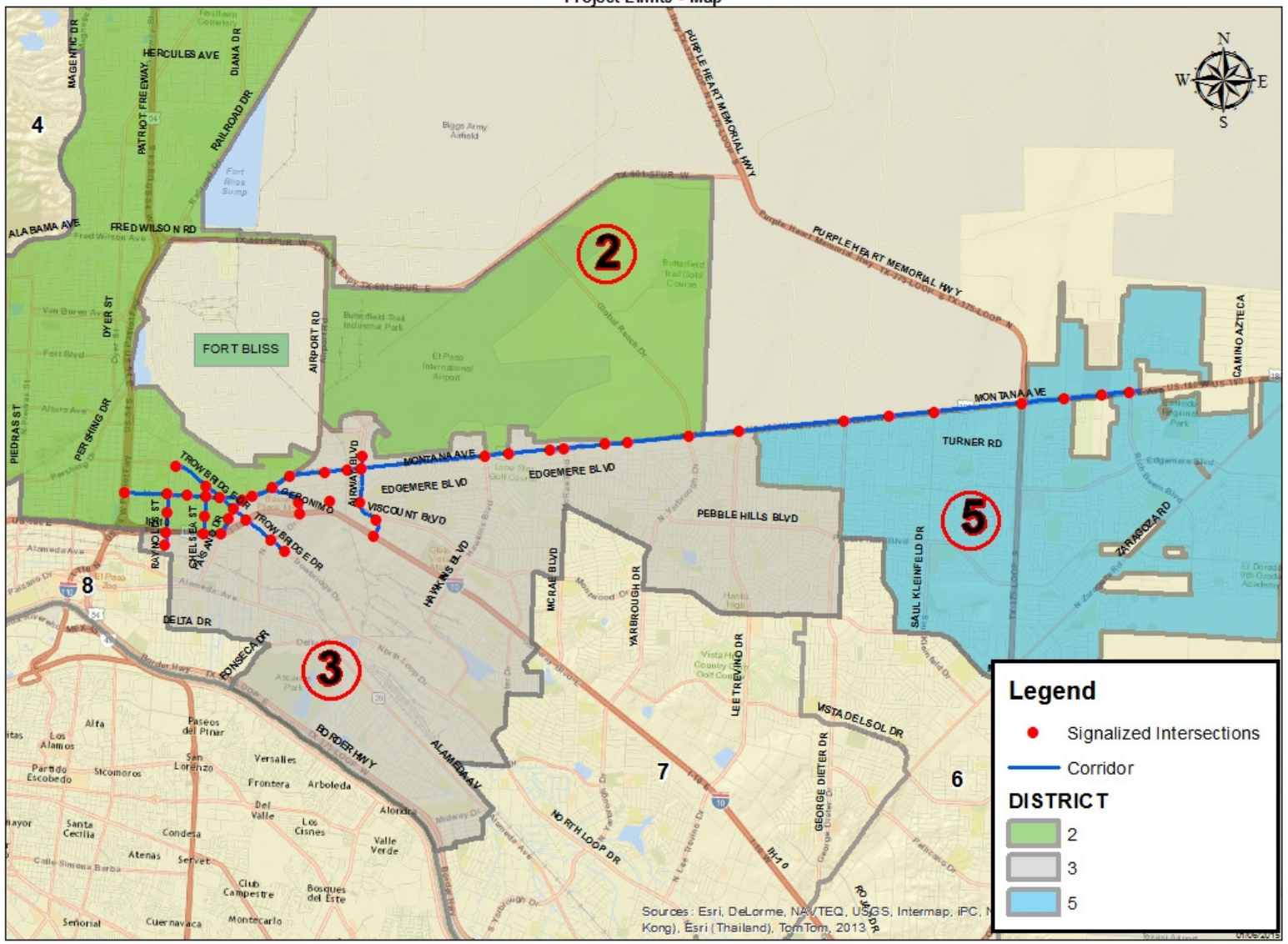


Total intersections: 70

Consultant: Martinez Eng. Group

IN PROGRESS

Montana System Signal Synchronization
Project Limits - Map

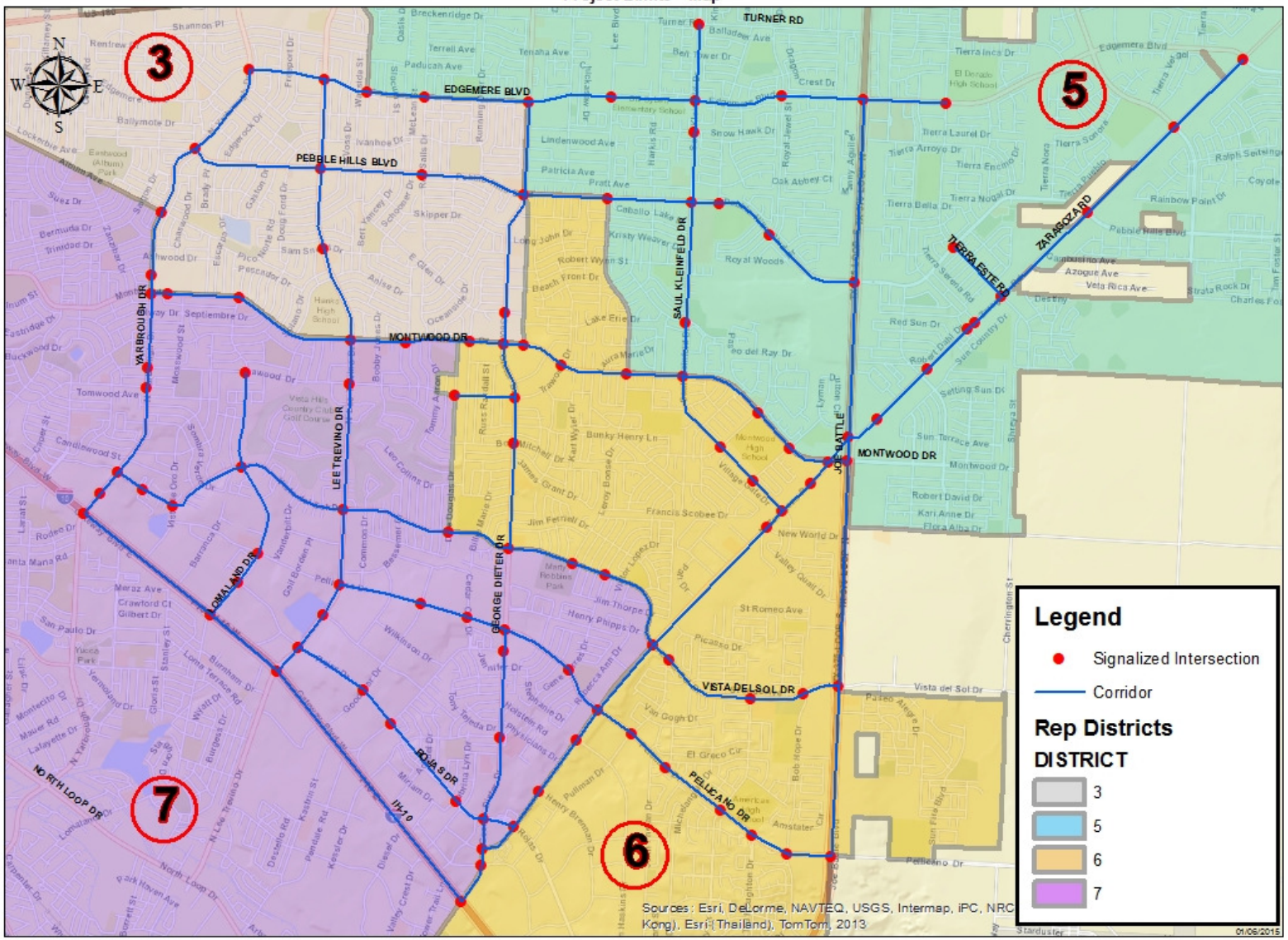


Total intersections: 47

Consultant: Martinez Eng. Group

IN PROGRESS

Far East System Signal Synchronization
Project Limits - Map



Total intersections: 109

Consultant: Savant Group

Signal Synchronization Program

Project Start Date: June 12, 2013

Substantial Projected Completion Date: March 31, 2016

Original Projected Completion Date: March 31, 2016