

Creating a Digital Lifecycle for Traffic Signs

ADCMS Grant

Jim Mahugh, Digital Delivery Lead
September 30, 2026

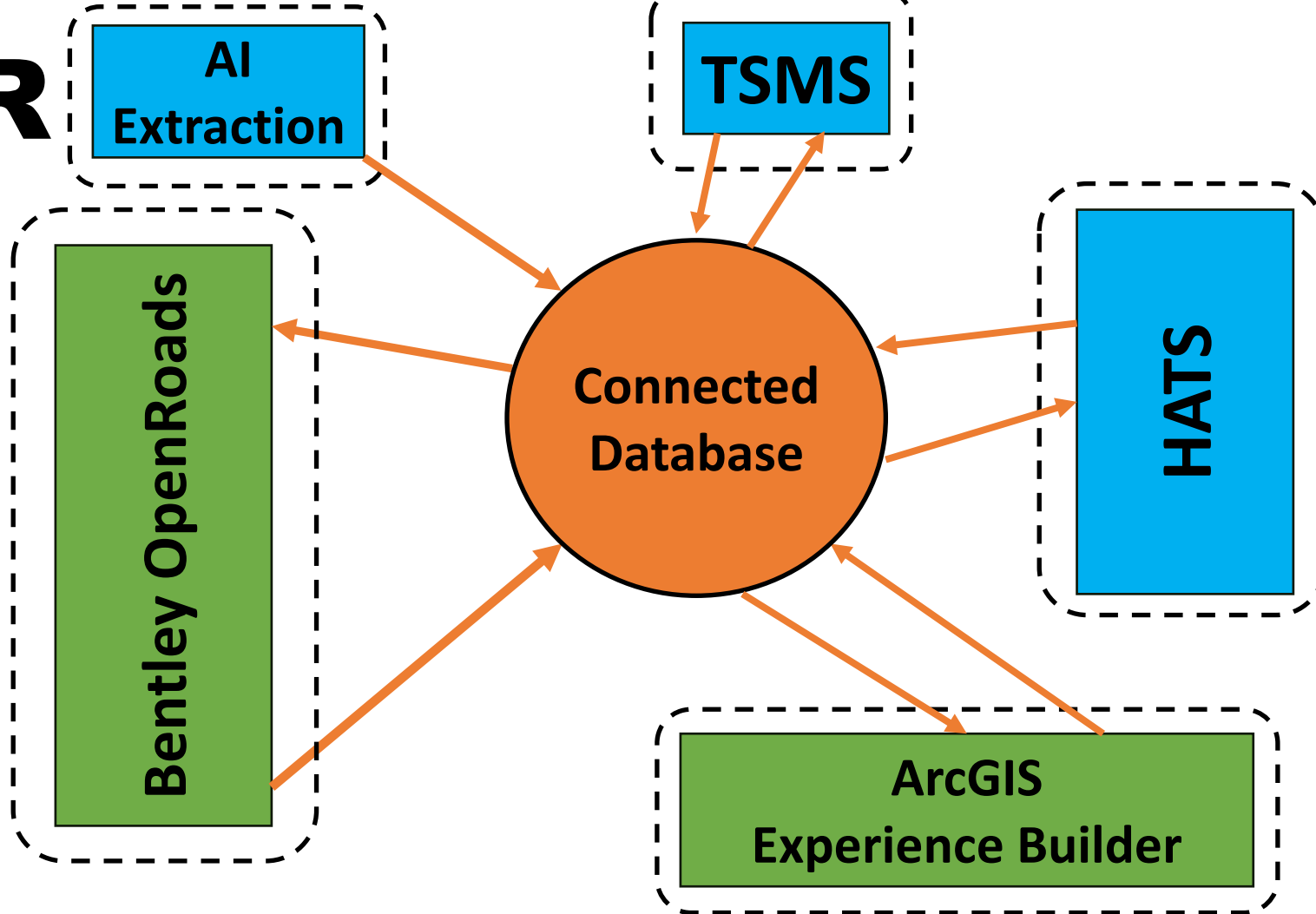
LiDAR

Traffic

Maintenance

Design

Construction

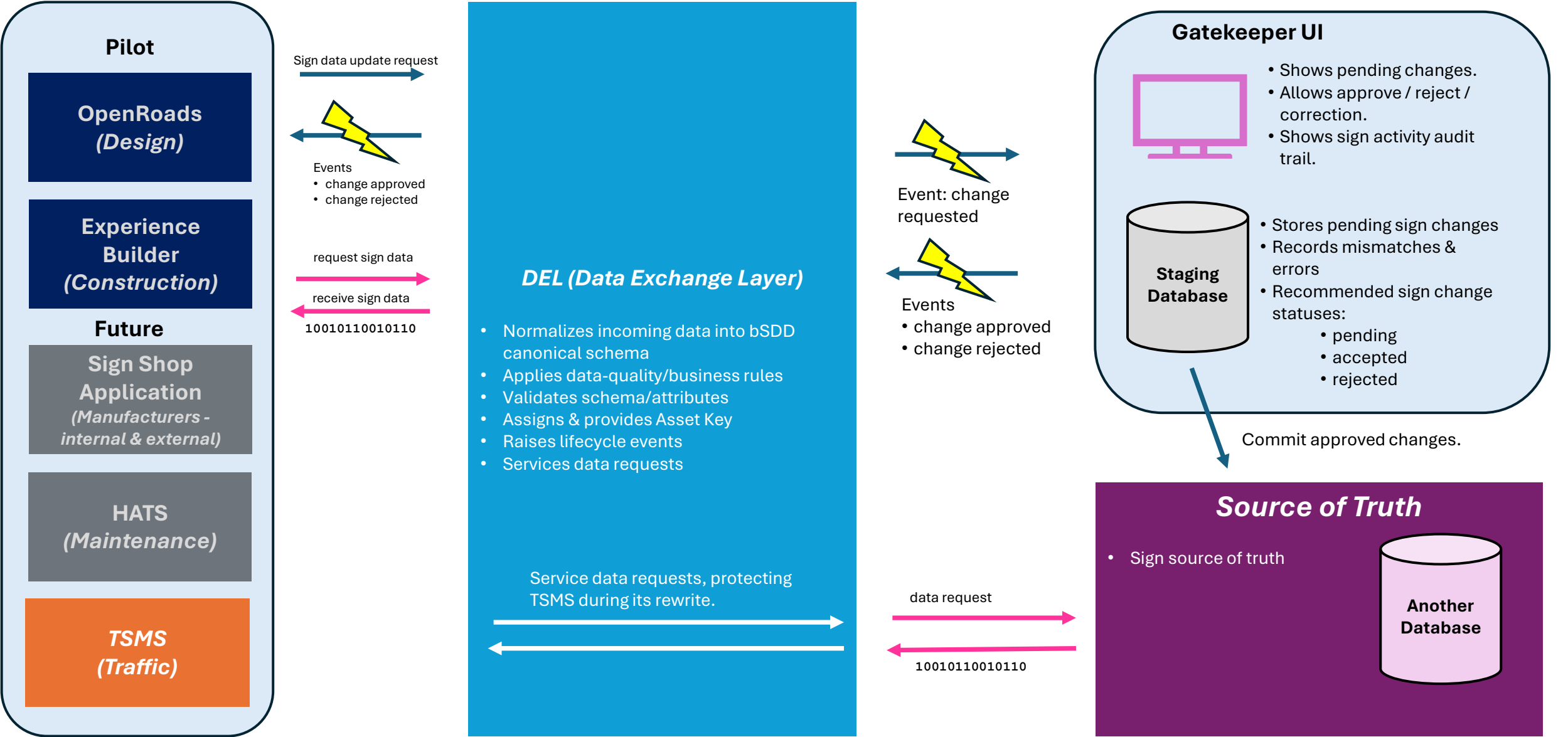
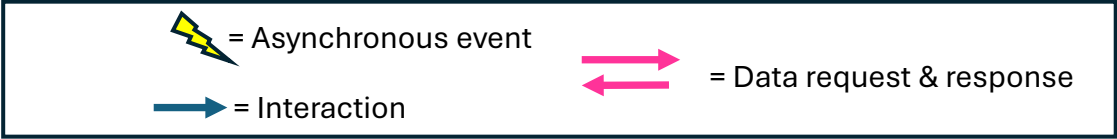


Orange = Items the study will work on
Green = Vendor Applications
Blue = WSDOT Applications

IT Work

- Working with an WSDOT IT Business Analyst
- Created Specific IT Requirements in DevOps
 - Epics
 - Features
 - Requirements (current and future)
- Hiring consultants

Alternative A - TSMS Joins Later



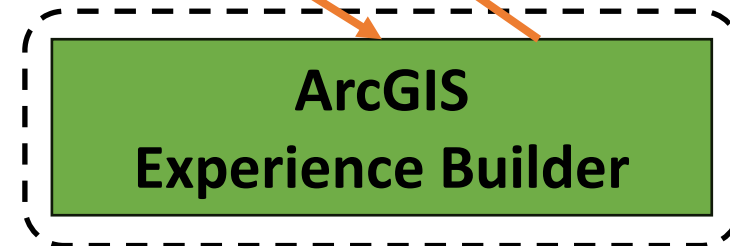
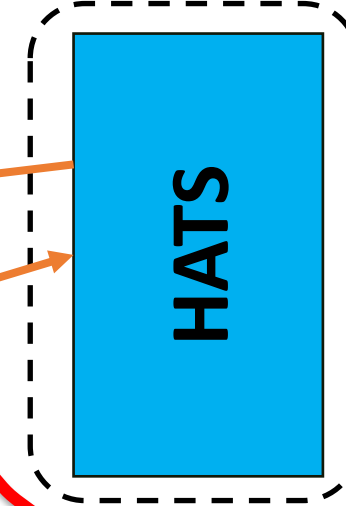
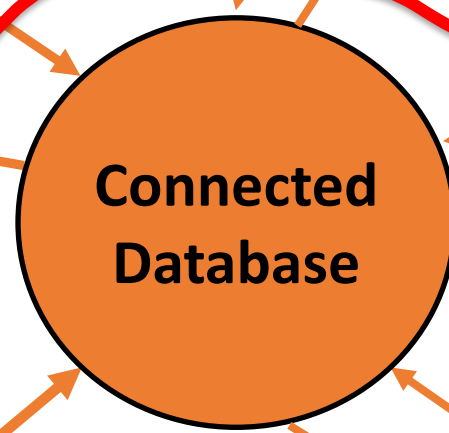
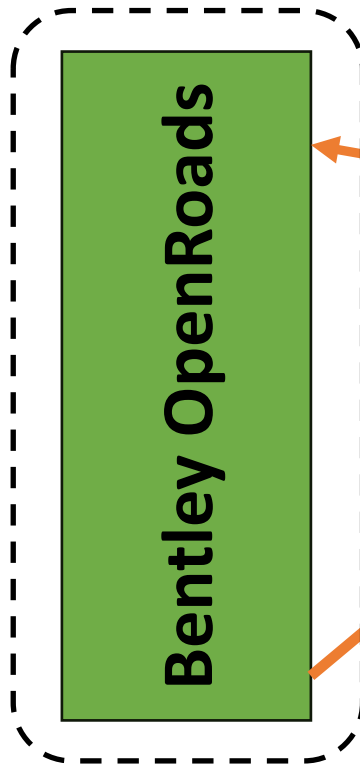
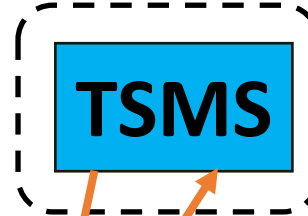
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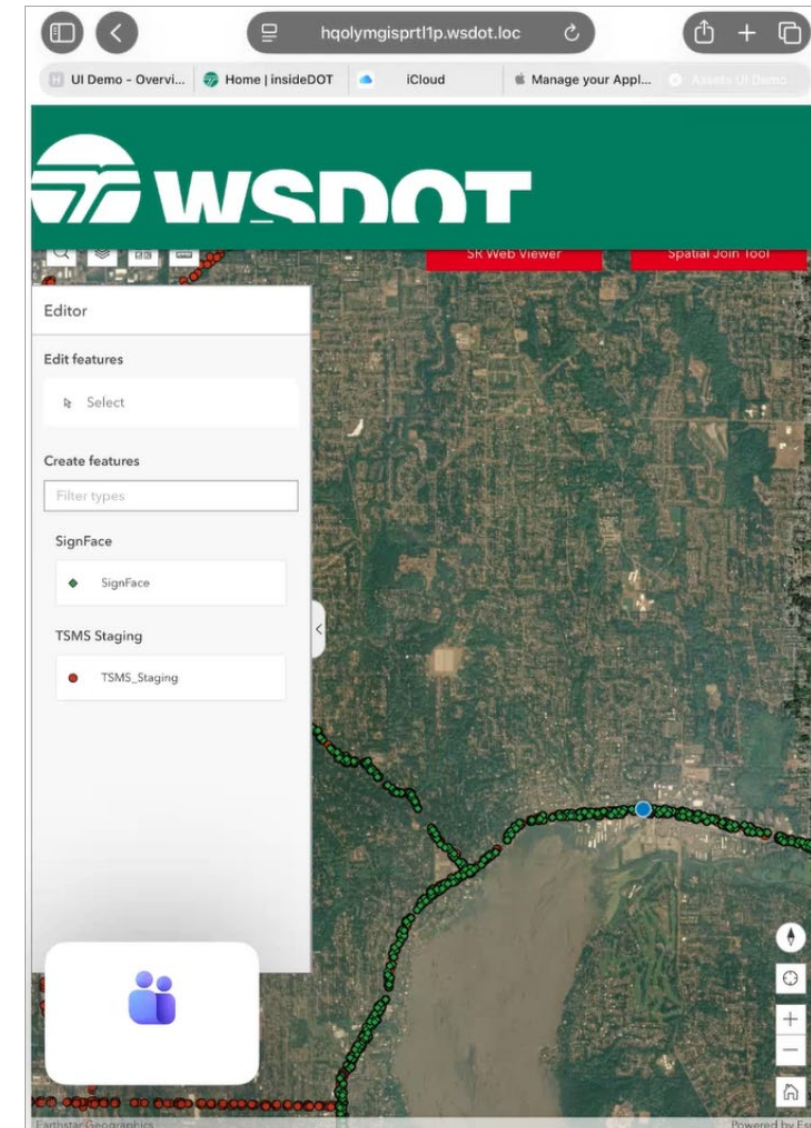


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Construction

Tools Must:

- Be Easy to Use
- Save Time
- Project Specific
- User Rights
- Usable on any Geolocating Device
- Kinda Cool 😊



Construction

- ArcGIS Experience Builder Application
 - Consultant hired
 - SOW Developed
 1. Project Dashboard
 2. User Administration/Rights
 3. Database Connections
 4. Data Aligned with BSDD
 5. Mobile and Off-Line Use
 6. Testing with Construction Personnel



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