

2016 DTSD Initiatives

WTBA Conference

Joe Olson, PE
DTSD Administrator
October 22, 2015



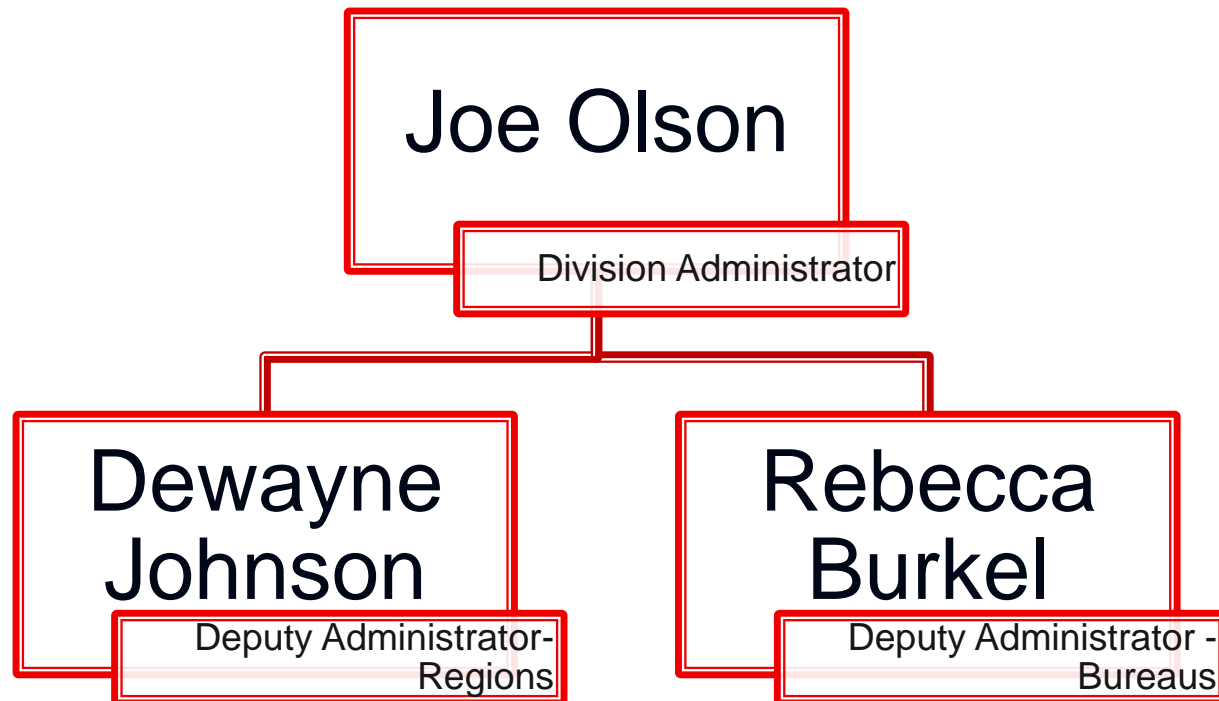
Overview of presentation

- ▶ Who's who at DTSD
- ▶ Partnering update
- ▶ Initiatives going forward
- ▶ Value of Partnerships/Communication



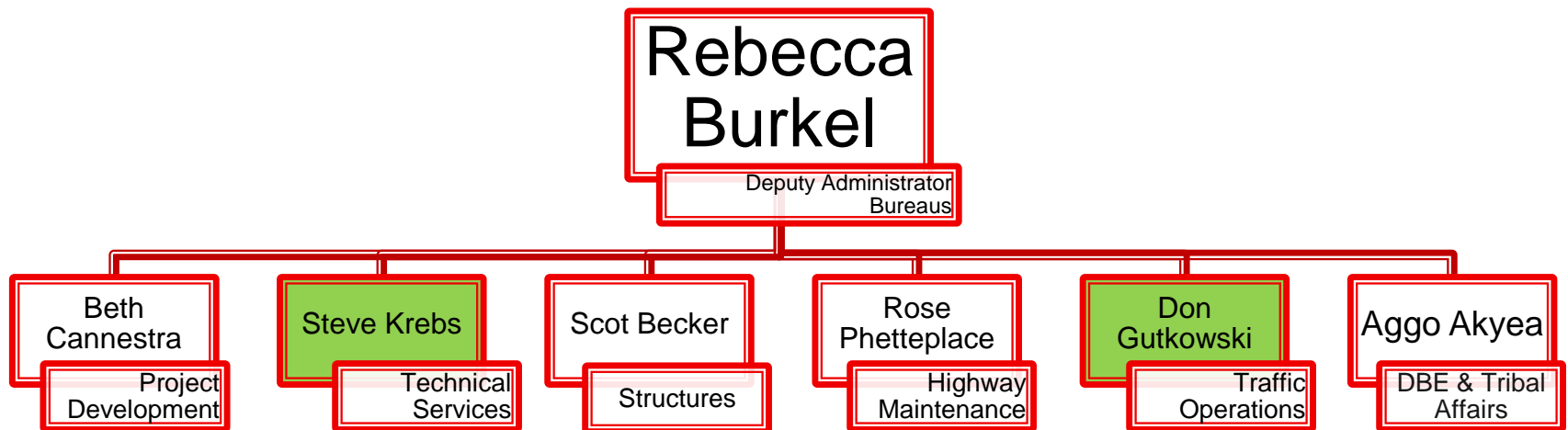
DTSD Who's Who

DTSD Administrator's Office



DTSD Who's Who

Bureaus

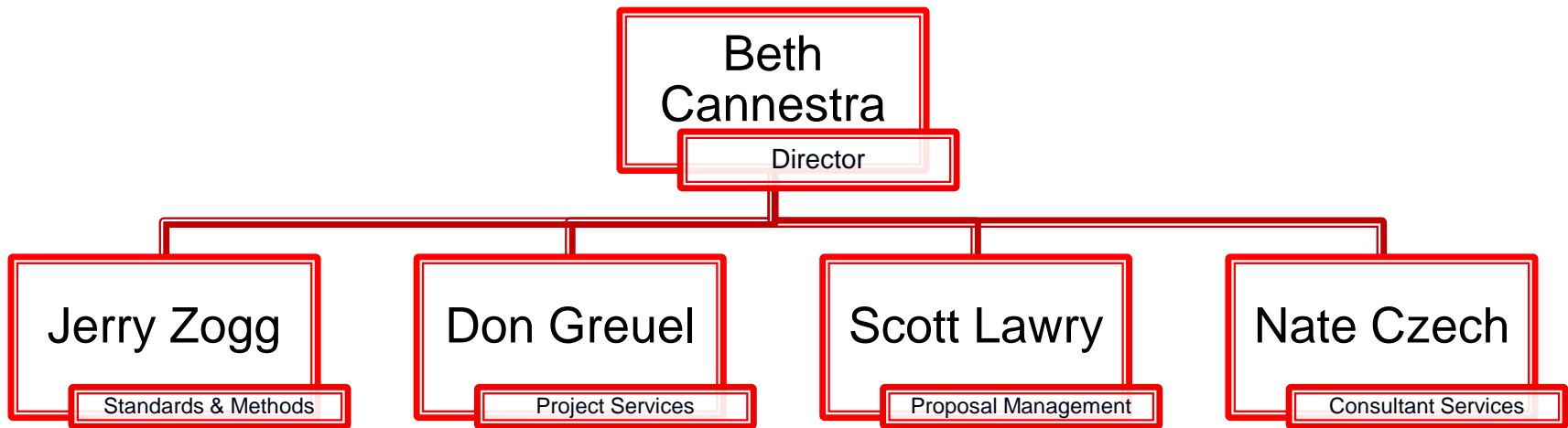


New to position 



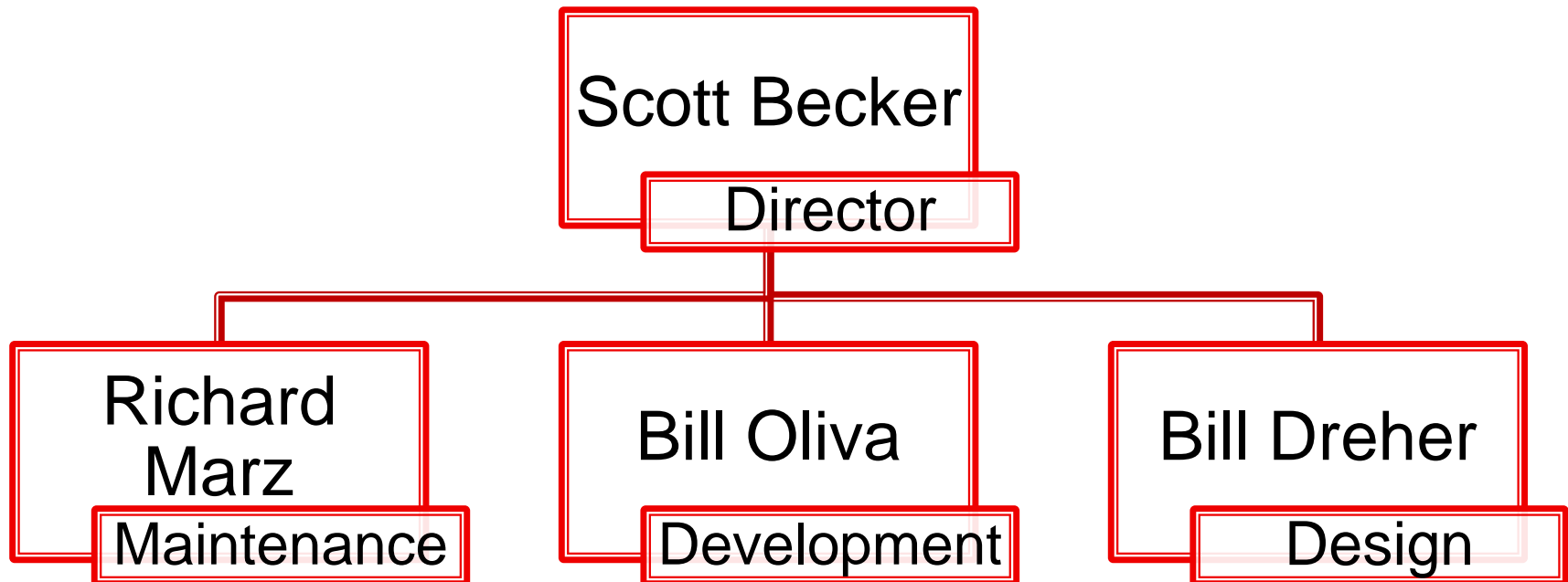
DTSD Who's Who

Bureau of Project Development



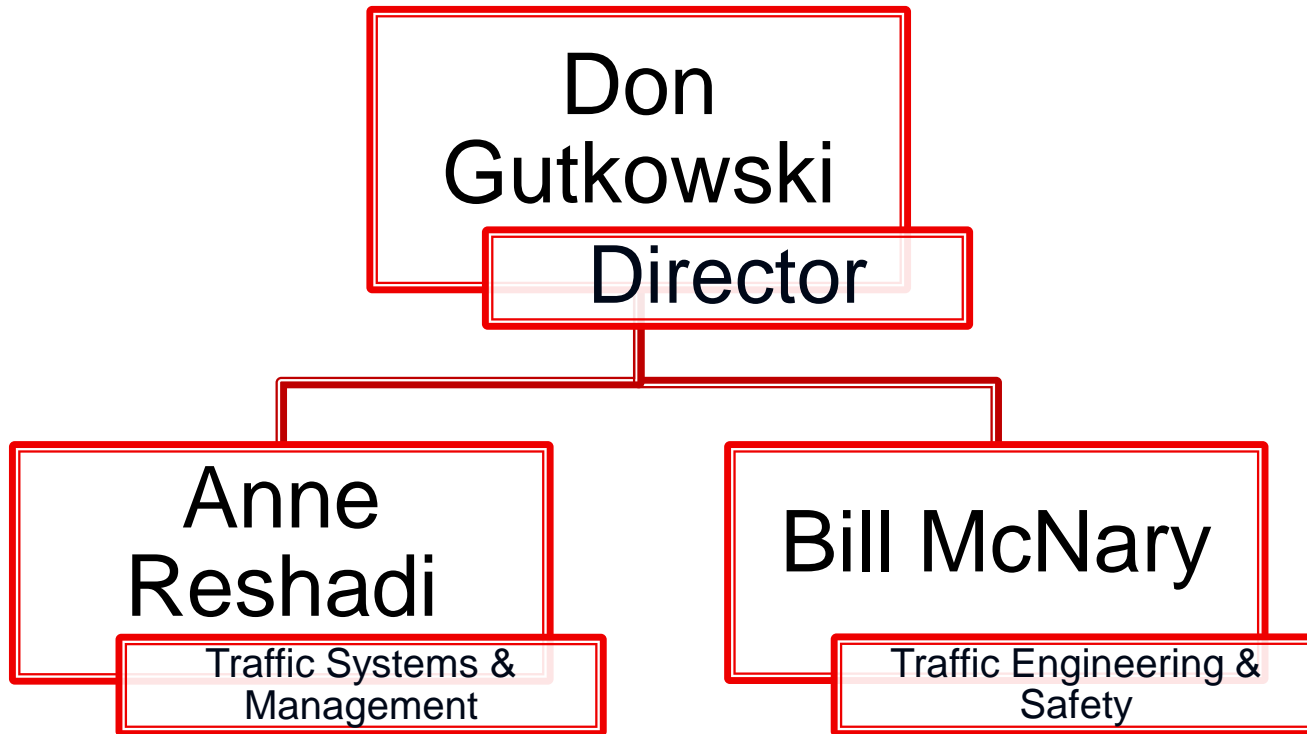
DTSD Who's Who

Bureau of Structures



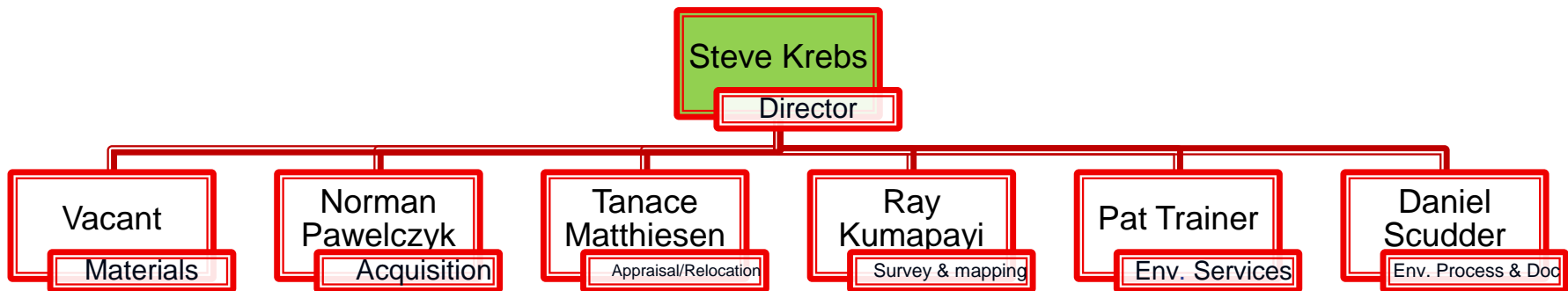
DTSD Who's Who

Bureau of Traffic Operations



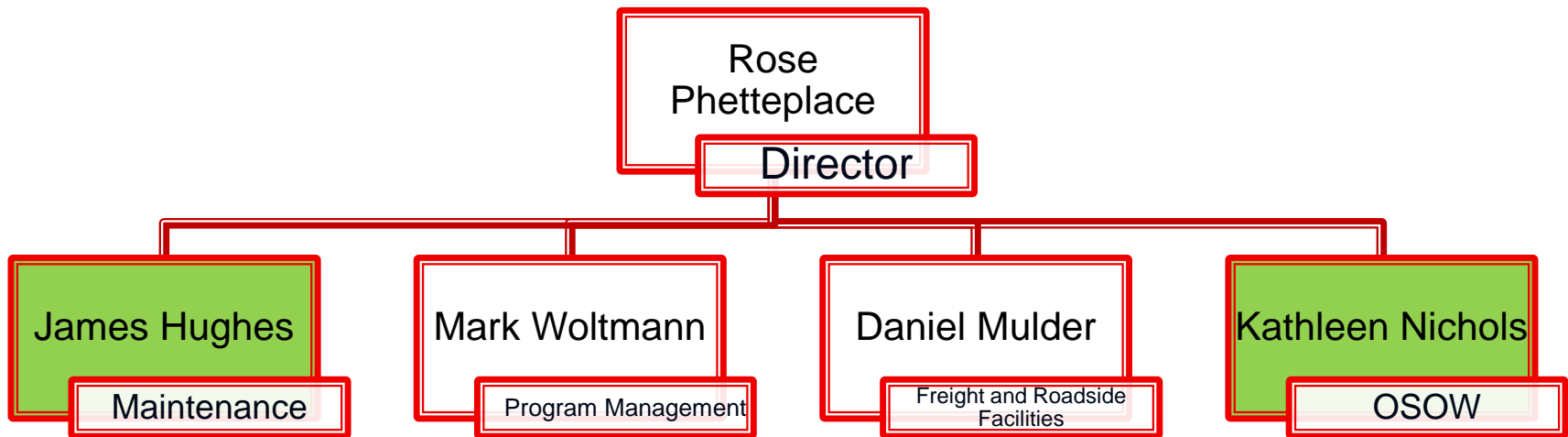
DTSD Who's Who

Bureau of Technical Services



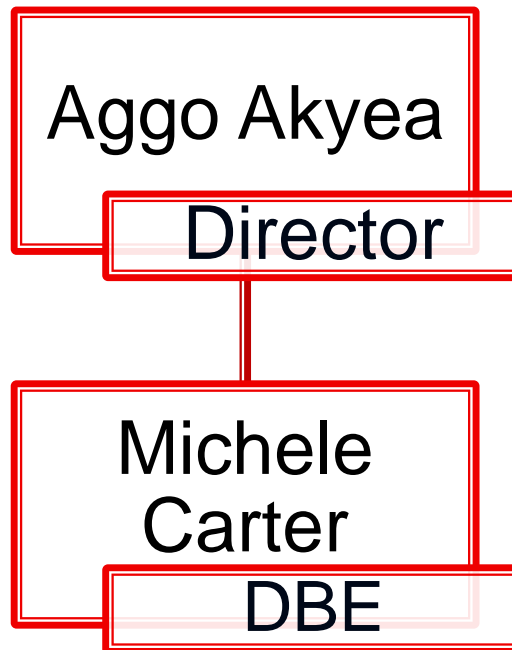
DTSD Who's Who

Bureau of Highway Maintenance



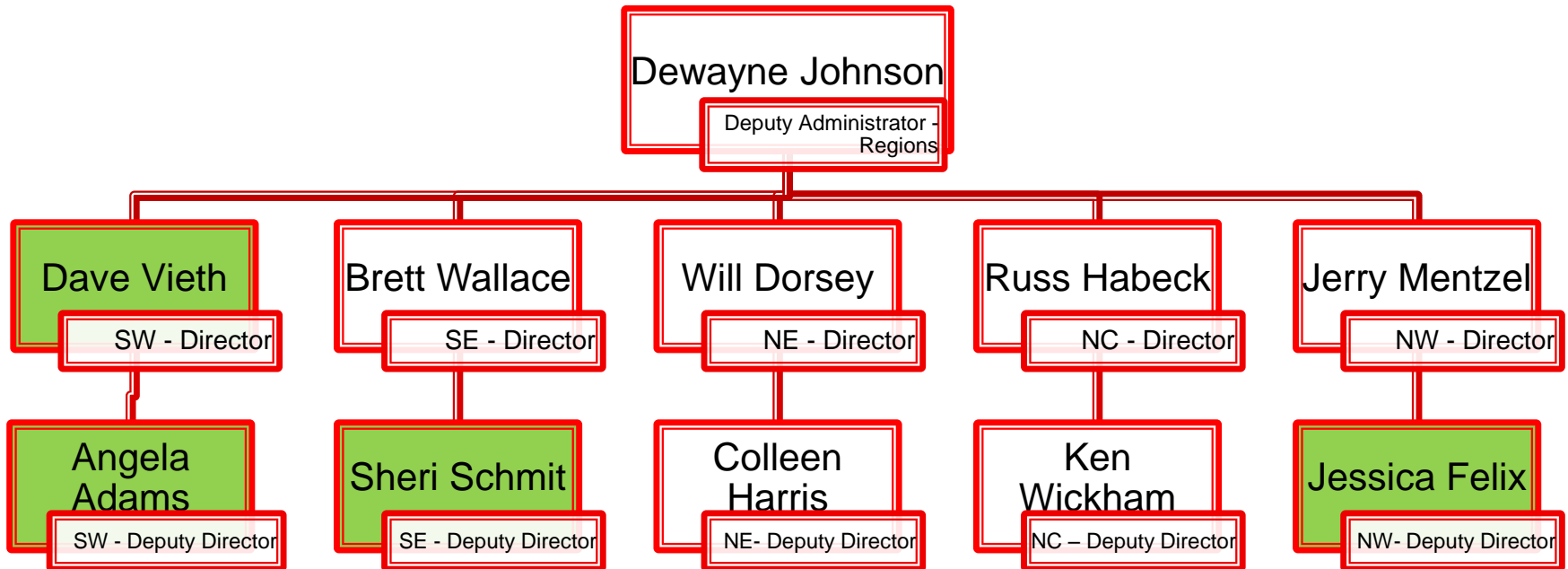
DTSD Who's Who

Office of Business Opportunity & Equity



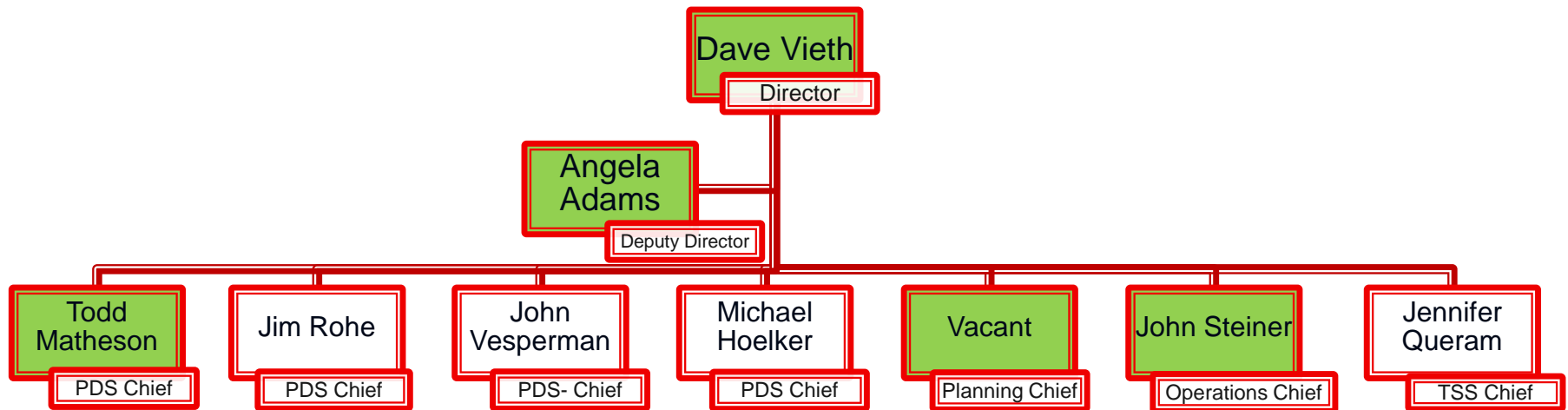
DTSD Who's Who

Regions



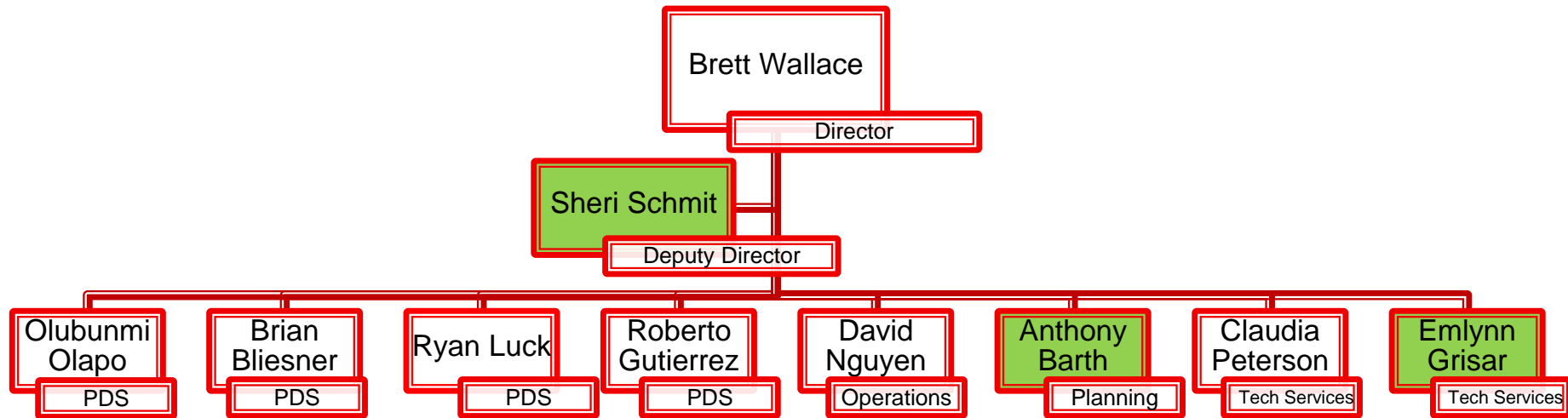
DTSD Who's Who

Southwest Region



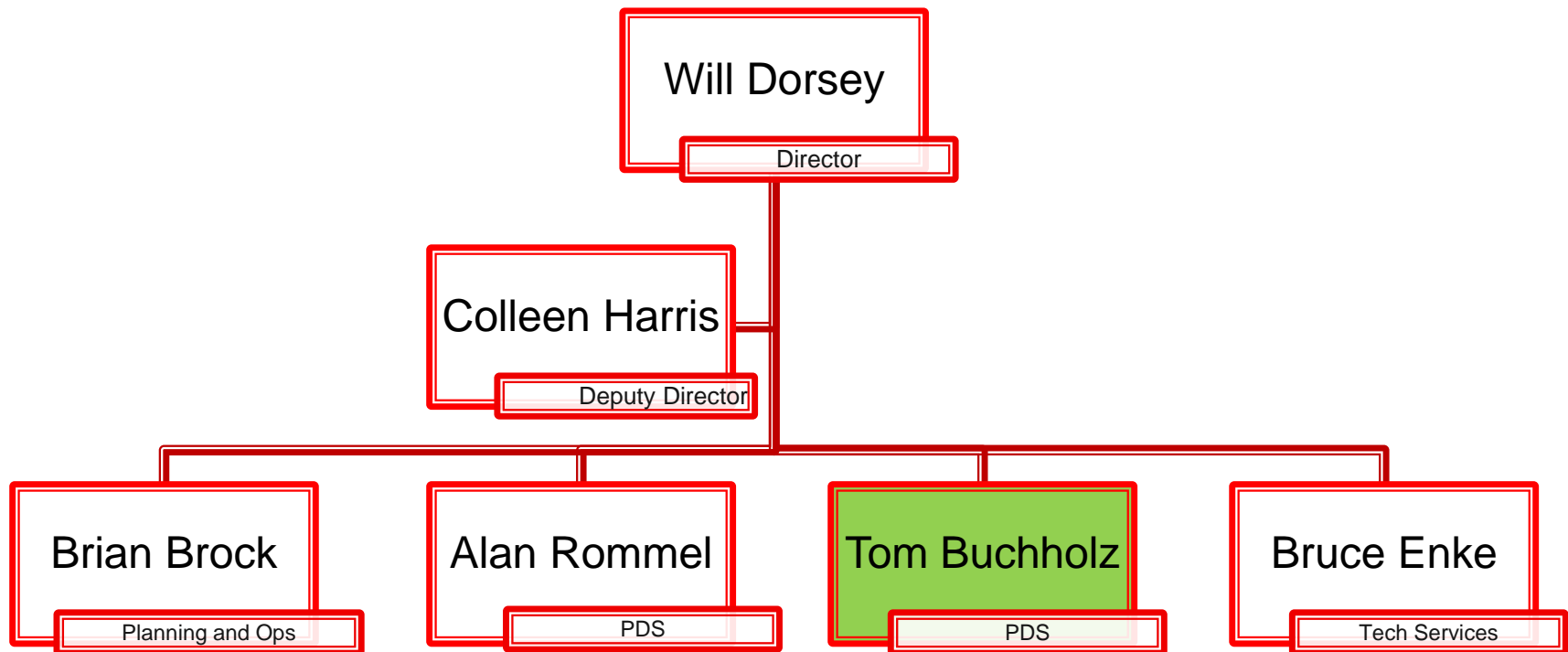
DTSD Who's Who

Southeast Region



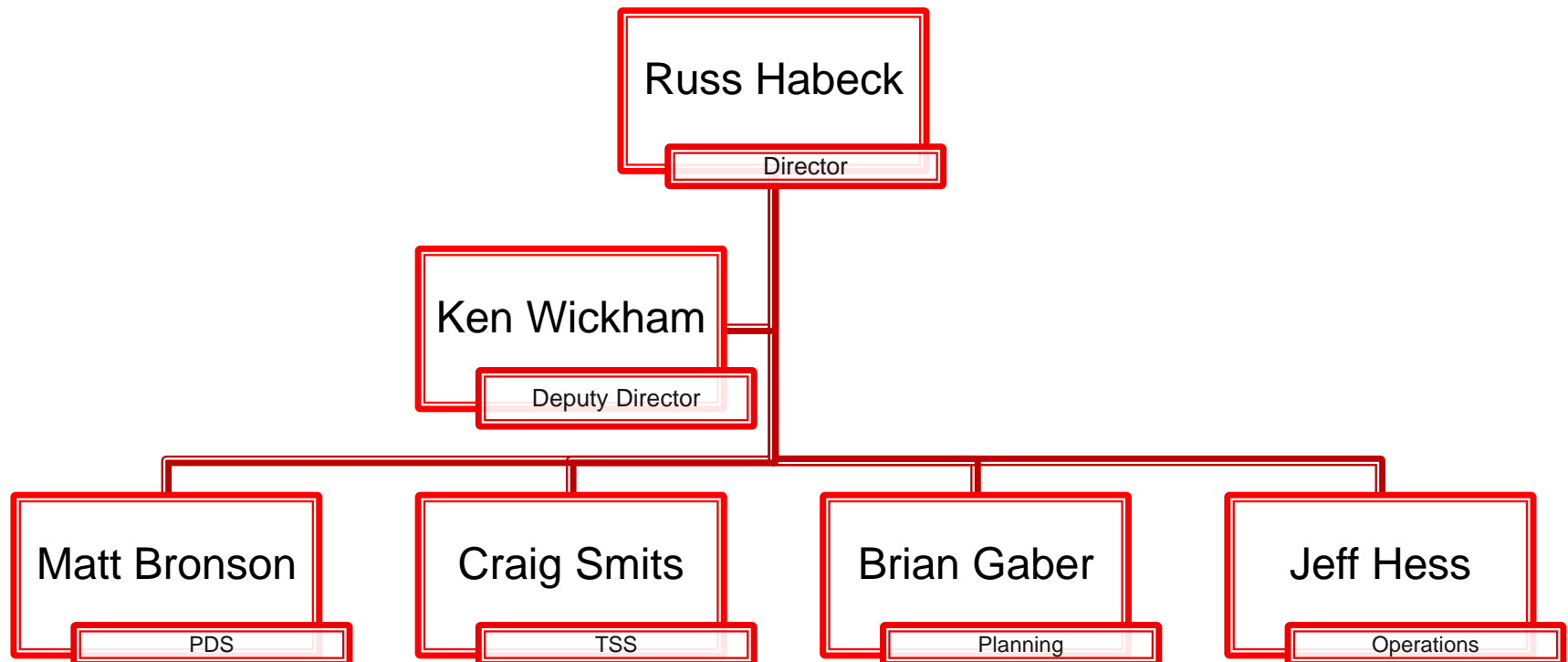
DTSD Who's Who

Northeast Region



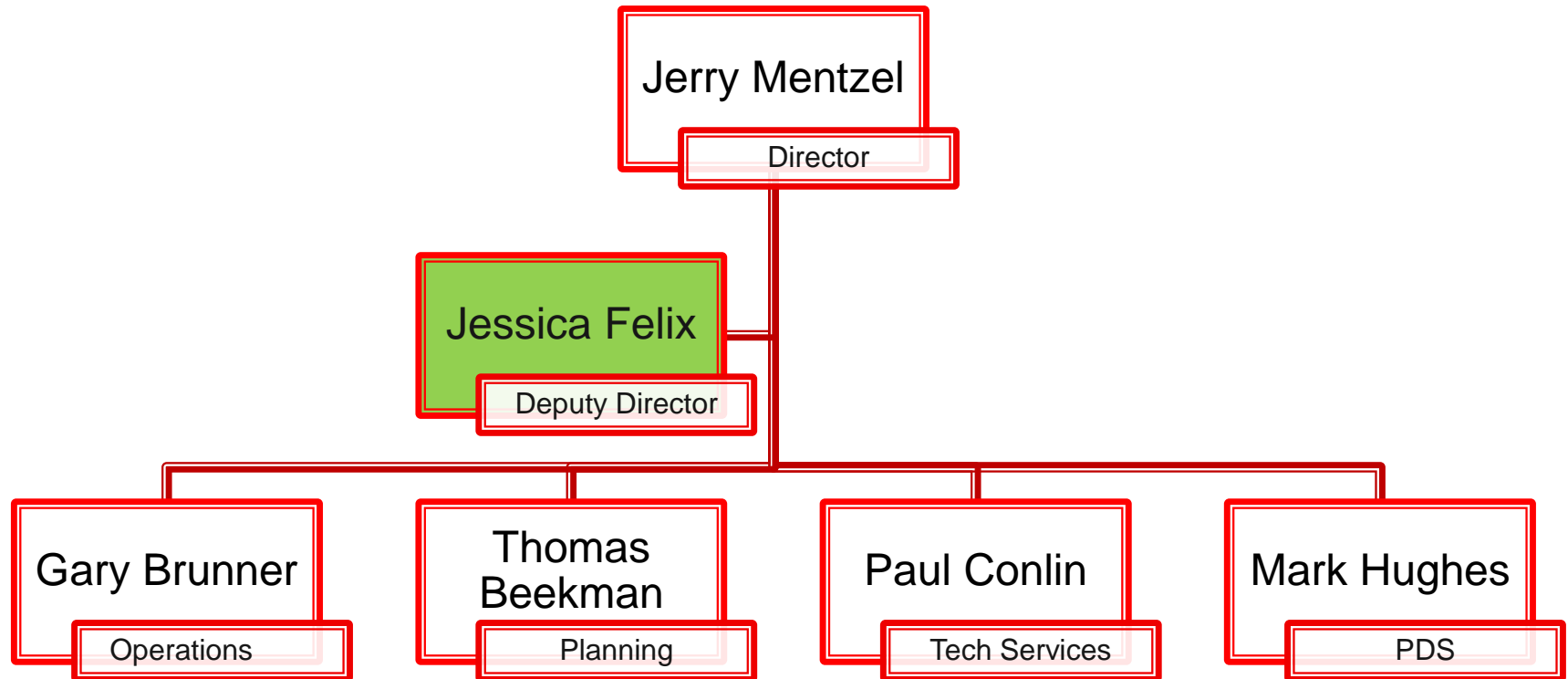
DTSD Who's Who

North Central Region



DTSD Who's Who

Northwest Region



Partnering update

Executive Team

WisDOT

Beth Cannestra
Jerry Mentzel

WTBA

Matt Grove
Scott Piefer

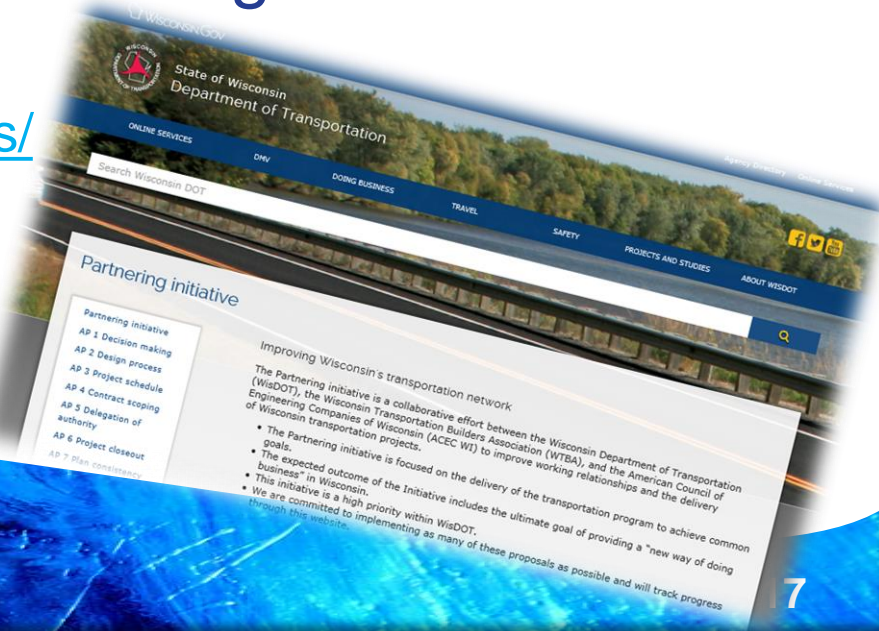
ACEC

Brad Heimlich
Jill Treadway

WisDOT/Doing Business/ Partnering Initiatives

NEW web site address:

<http://wisconsindot.gov/Pages/doing-bus/eng-consultants/partner/default.aspx>



Partnering update

Partnering Priorities

- ▶ AP 1 – Decision making
- ▶ AP 2 – Design process
- ▶ AP 3, 4, 11 - Project schedule/contract scoping & consultant contract amendments
- ▶ AP 5 – Delegation of authority
- ▶ AP 6 - Project closeout
- ▶ AP 7 – Plan consistency
- ▶ AP 10 – Contract execution



Initiatives going forward

Improving Consultant Budget Scoping/Negotiation

- ▶ Implemented consistent activity code work breakdown
- ▶ Will conduct training fall early winter
- ▶ Make tools available in Project Management System (PMP)
- ▶ Linking to economic tracking system for negotiation
- ▶ Linking to CARS for payment and tracking cost
- ▶ Reevaluate scoping tools and make adjustments



Initiatives going forward

► Performance based practical design (PBPD)

- FHWA conducted 6-hour workshop on PBPD
- WisDOT staff becoming familiar with IHSDM software to do predictive analysis
- Developing implementation strategy



Initiatives going forward

- ▶ **Promote use of Geosynthetic Reinforced Soil – Integrated Bridge Systems (GRS-IBS) and Accelerated Bridge Systems (ABS)**
 - Goal: Reduce cost for state and local systems and standardize details and Special Provisions (SPV)



Initiatives going forward

- ▶ Continue to develop a culture of innovation WisDOT ↔ Industry
 - Special thanks to Matt Grove – STIC Council
 - Industry invited to email ideas to David Esse – DTSD Innovation Officer - David.Esse@dot.wi.gov



Initiatives going forward

- ▶ **Continue to set up “Innovation Incubators” to identify, prioritize and rapidly implement innovation**
 - Ex: Mobile device deployment



Initiatives going forward

► Develop implementation strategies:

- FHWA EDC and SHRP2
- National Cooperative Highway Research program (NCHRP) and Wisconsin Highway Research Program (WHRP)



Initiatives going forward

- ▶ **Streamline business operation through electronic delivery of improvement projects**
- ▶ Continue to conduct information exchanges with other state DOTs
- ▶ Identify transportation projects suitable for piloting eProject Delivery techniques
 - Use of SharePoint for management of non-engineering files
 - Paper trail



Initiatives going forward

- ▶ **Streamline business operation through electronic delivery of improvement projects**
- ▶ Develop and implement location reference strategy to support eProject Delivery strategies
 - Lidar data collection
 - Automated Machine Guidance (AMG) grading
 - As-built plans

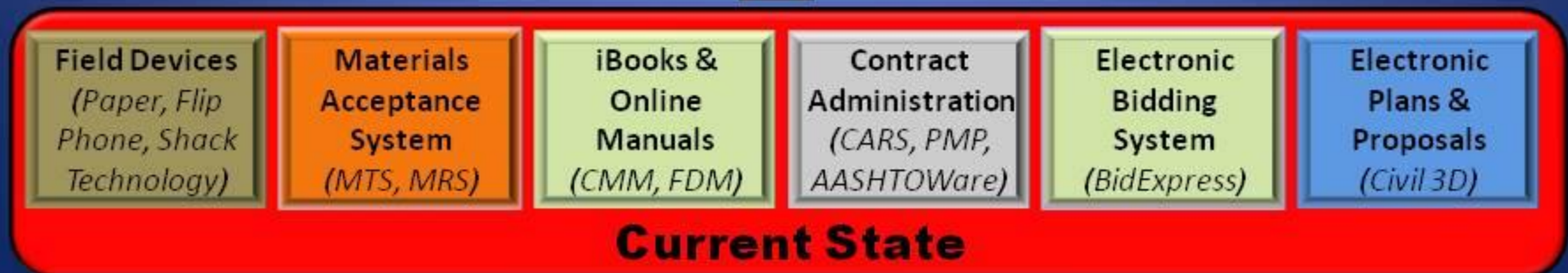
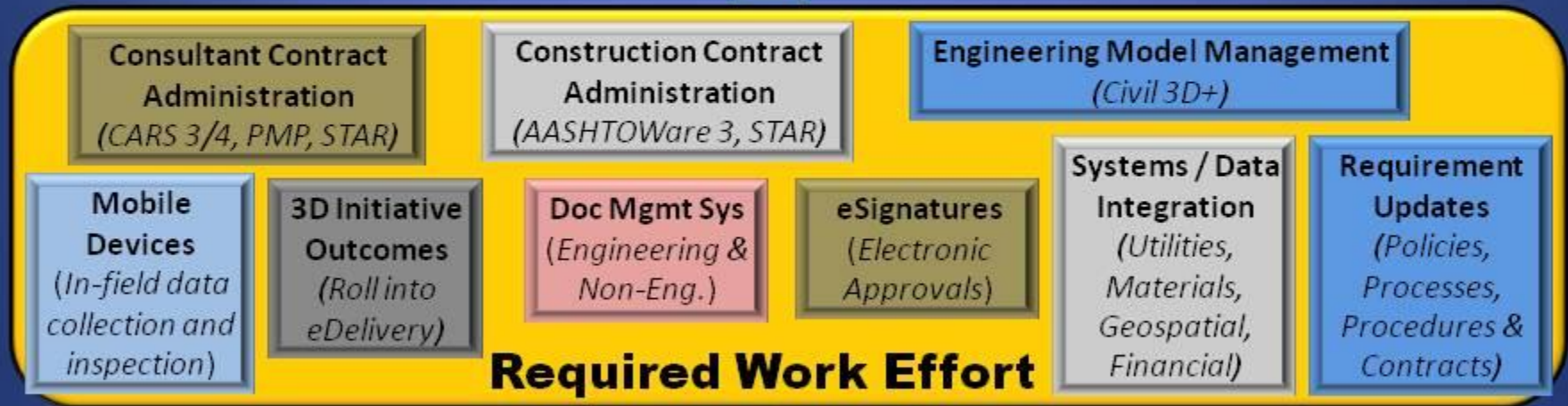


eProject Delivery Implementation

(focus: concept definition thru construction close out)

eProject Delivery (Civil Integrated Management)

DRAFT



Continuous improvement in transportation safety

- ▶ Promote Work Zone Safety – EDC3
 - Pilot summer of 2016 technology applications to dynamically manage traffic in the work zone environment.



Importance of Partnerships

- ▶ Claims Process
- ▶ DBE Eligibility Notices
- ▶ Non-conforming Materials
- ▶ Crash rates and Fatalities on Major Corridors



Importance of Partnerships

- ▶ WTBA Monthly meetings with Deputy Secretary
- ▶ Issue specific meetings with WTBA
- ▶ WAPA
- ▶ WCPA
- ▶ WEMA
- ▶ ACEC-TTF



Questions?

