Kansas Truck Routing & Intelligent Permitting system

Kansas
Office of the Governor
Office of Information Technology Services

March 7, 2012 Brown Bag Presentation
Wally Ballou, KDOT – John Culbertson, KDOT

KANSAS AT A GLANCE

- 105 counties, 627 cities
- 140,753 miles of public roads
- Land Area (sq. Miles) 81,823
- Population (2010) 2,853,118
- Total Bridges 25,487

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Comparison of Public Roads & Population

State	Ranking	Miles	Land Area	Population	People Per Mile
Texas	1	310,850	261,226	25,145,561	81
California	2	171,874	155,766	37,253,956	216
Kansas	3	*140,753	**81,823	2,853,118	20
Illinois	4	139,577	55,518	12,830,632	92

Source -2009 Highway Statistics, 2010 Census Estimates

*This includes roads under the jurisdiction of KDOT, KTA and Kansas cities and counties. About 100,000 miles of Kansas roads are non-paved.

**Kansas ranks #15 in land area

Kansas Department of Transportation

Kansas Highway Patrol

Kansas Department of Revenue

K-TRIPS

Kansas **T**rucking **I**ntelligent **P**ermitting **S**ystem

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Meeting objectives

- Project Background
- Project Team Structure
- Approach to Requirements Gathering
- Current Deployment Status
- Demonstration
- Next Steps
- Q & A

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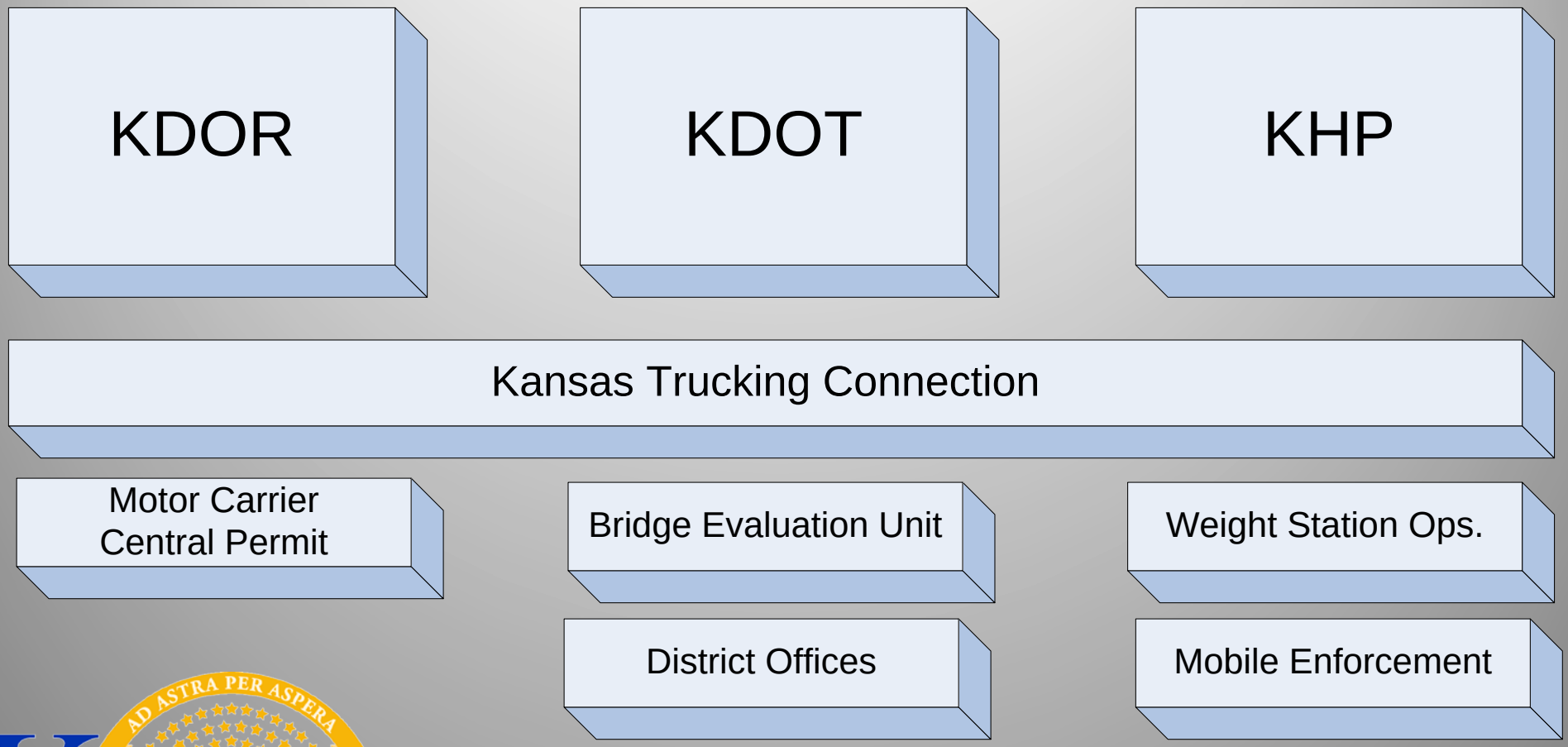
The Project Team – Functional Relationships



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Objectives of K-TRIPS

- Improve truck permit application
- Automated Routing
- Payment
- Efficiency for state agencies and customers.

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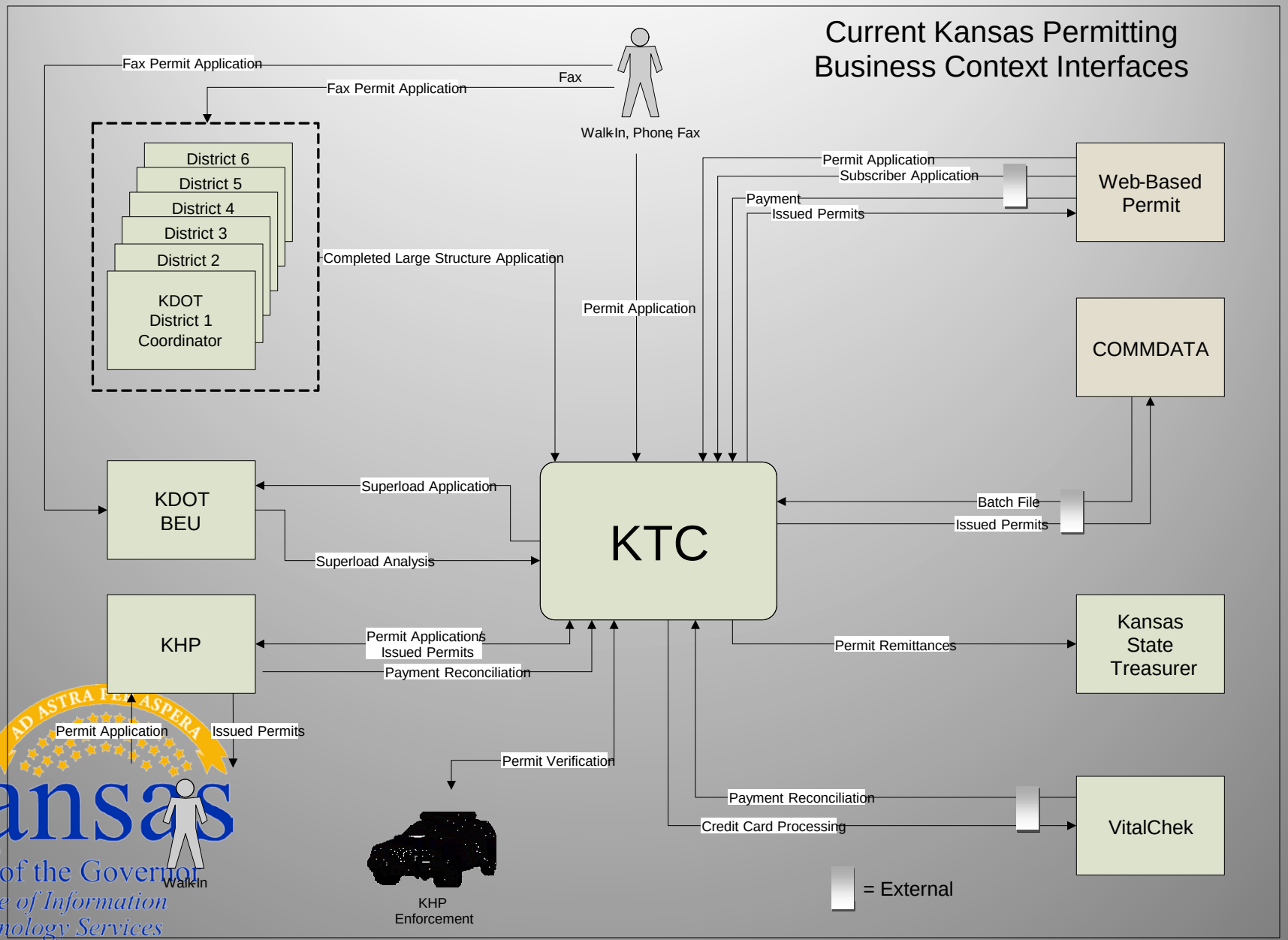
Project Background

Current System



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Project background

- **31 Unique Types of Permits**

KANSAS TRUCKING CONNECTION (KTC)

ESCORT CERTIFICATION APPLICATION

New Certification # (Assigned by KTC) | Past Certification # (If recertifying) | Expiration Date (Assigned by KTC)

MAILING ADDRESS | CONTACTS | CUSTOMER INFORMATION

Kansas Corporation Commission
Kansas Trucking Connection
1500 SW Arrowhead Road
Topeka, Kansas 66603-4027

KTC Phone 785-271-3145 * Option 2 *
KTC Fax 785-271-3124
Email mc@kdor.state.ks.us

Company Name | U.S.DOT #
Company Address
City | State | Zip
Phone | Fax
Drivers Name:

KANSAS CERTIFICATION

- Defensive Driving course or Valid CDL
- Must provide evidence of taking the driving course or copy of the CDL upon application

Length of Certification : **3 Years**

ALTERNATE CERTIFICATION

- Without a CDL, but previously taken a Defensive driving course, state certification will be accepted for **one year only**.
- **Recertification:** Must pass a National Safety Approved Defensive Driving Course and have a valid CDL
- Documentation shall be provided to the KTC

Length of Certification: **1 Year**

I _____, I certify that I am employed by the above named company or meet all the requirements and have obtained all the necessary credentials in order to operate as a self-employed escort driver.

I further certify, I possess a current drivers license or CDL

I further certify, I understand and agree to comply with the terms and conditions set forth in the KTC Escort Certification program and any other restrictions provided by the KTC or any local enforcement official. Evidence provided to the contrary will result in the immediate cancellation of the Kansas Certification.

I further certify, I have in effect all appropriate motor vehicle liability insurance coverage as required by federal state and local law for the type or certification sought

I further certify, such insurance must be in force on of the date when the certification is authorized and will remain in effect for the duration of the certification

I further certify, I understand and agree to provide evidence of having obtained a Commercial Drivers License (CDL) or completing a National Safety Council approved Defensive Driving course before becoming recertified.

I further certify, I agree to discuss all bridge memo instructions and permit restrictions with the driver of the transporting vehicle before escorting a superload in Kansas.

SIGNATURES

Print Name:

Signature of Escort Driver: **Date:**

Print Name:

Signature of KTC Official : **Date:**

C:\DOCUME~1\DEBYZI~1\LOCALS~1\Temp\XPgrpwise\EscortCertificationApplication.doc R evised: 9/13/2007

Pilot Vehicle

O:\Web Stuff\Web Documents\Superloads\SuperloadApplication.doc Revised: 6/30/2009

FUEL
CATION
SCOVER
RGVW
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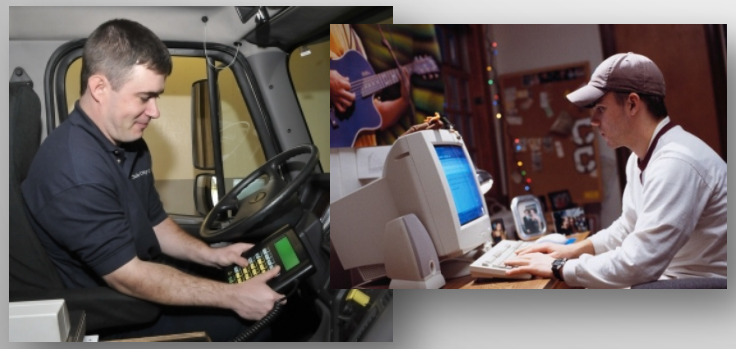
Project Background

System Objectives

Enhance Customer Service



Protect Infrastructure

Promote Safety

Ensure Compliance

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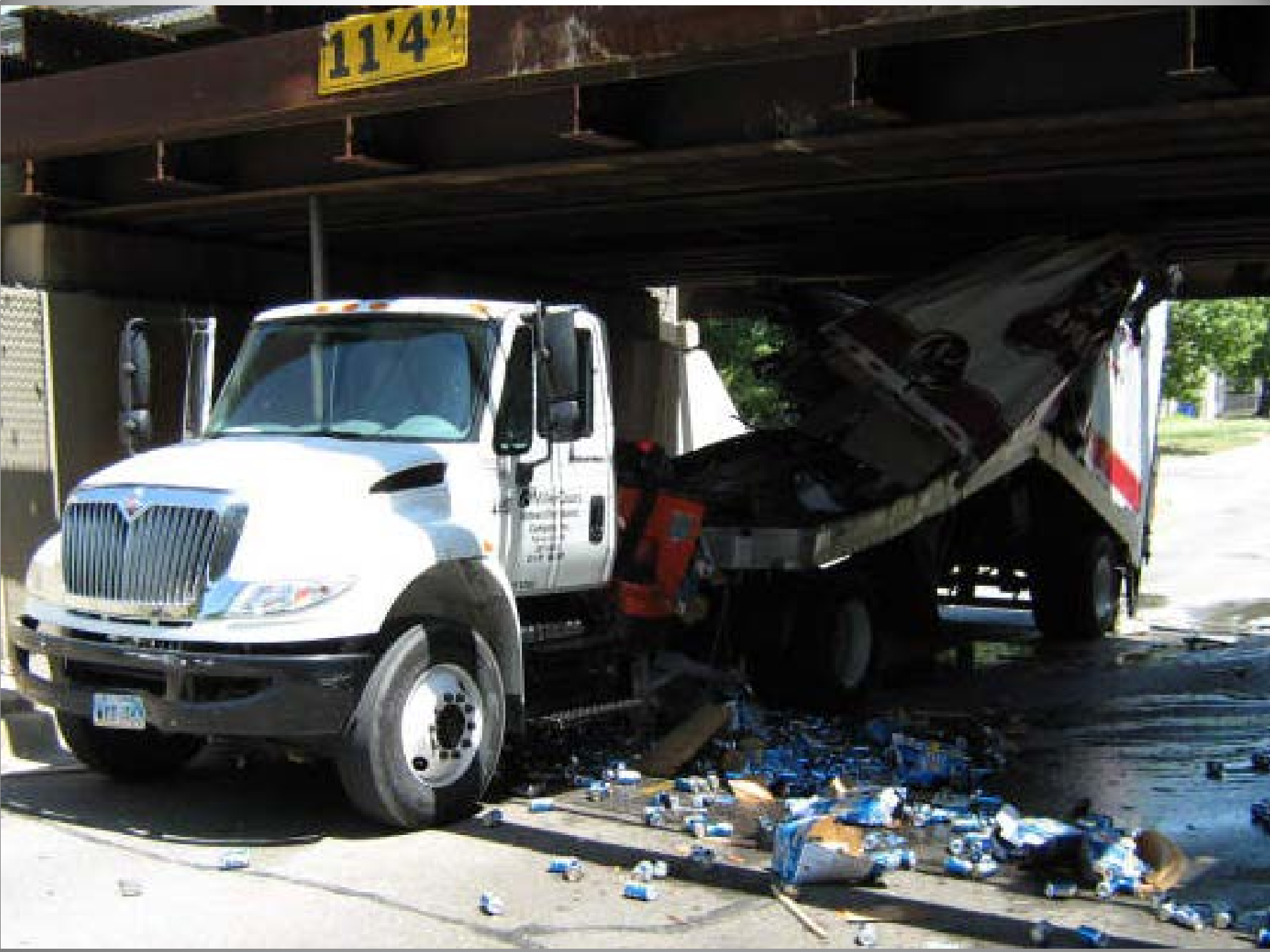
HYUNDAI

HYUNDAI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KDOT

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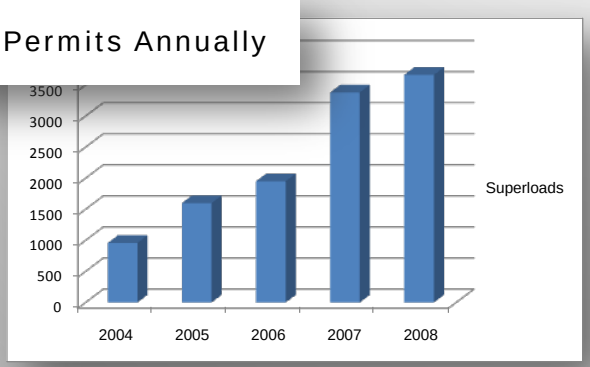
Project Background

Key Issues

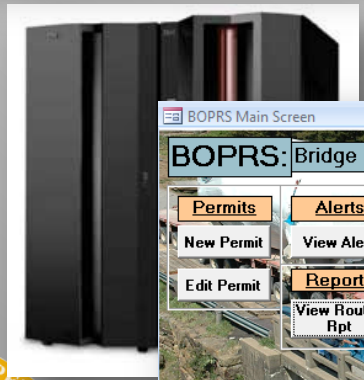
Growing Demand

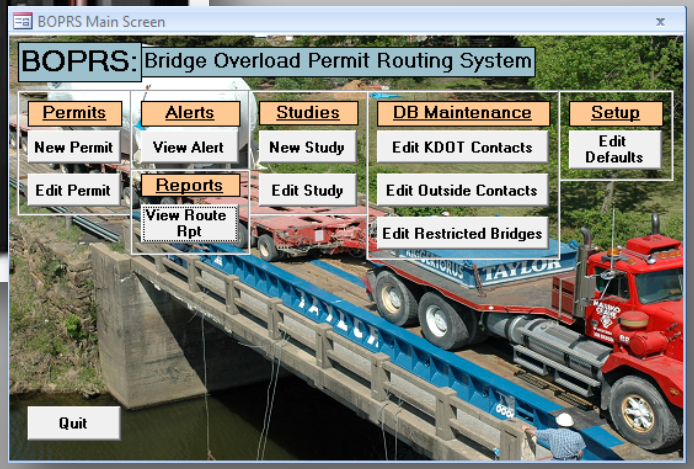
>100,000 Permits Annually



Changing Load Characteristics

Dated Technology





Industry Expectations

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Project Goals

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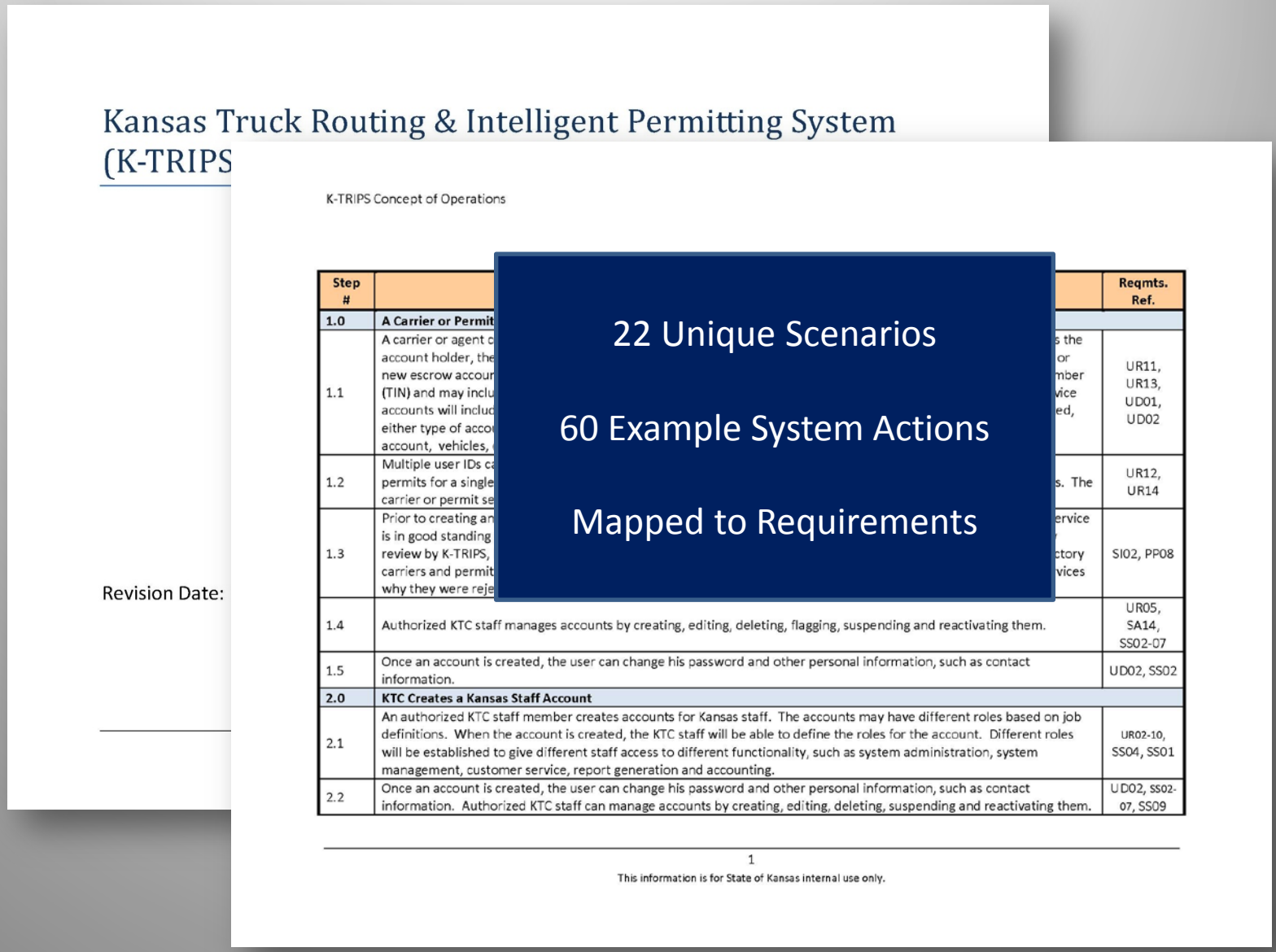
Concept of operations



Kansas Truck Routing & Intelligent Permitting System (K-TRIPS

Revision Date:

K-TRIPS Concept of Operations

Step #		Reqmts. Ref.
1.0	**A Carrier or Permit**	
1.1	A carrier or agent c… account holder, the… new escrow accour… (TIN) and may inclu… accounts will includ… either type of accou… account, vehicles, …	UR11, UR13, UD01, UD02
1.2	Multiple user IDs ca… permits for a single… carrier or permit se…	UR12, UR14
1.3	Prior to creating an… is in good standing… review by K-TRIPS, … carriers and permit… why they were reje…	SI02, PP08
1.4	Authorized KTC staff manages accounts by creating, editing, deleting, flagging, suspending and reactivating them.	UR05, SA14, SS02-07
1.5	Once an account is created, the user can change his password and other personal information, such as contact information.	UD02, SS02
2.0	**KTC Creates a Kansas Staff Account**	
2.1	An authorized KTC staff member creates accounts for Kansas staff. The accounts may have different roles based on job definitions. When the account is created, the KTC staff will be able to define the roles for the account. Different roles will be established to give different staff access to different functionality, such as system administration, system management, customer service, report generation and accounting.	UR02-10, SS04, SS01
2.2	Once an account is created, the user can change his password and other personal information, such as contact information. Authorized KTC staff can manage accounts by creating, editing, deleting, suspending and reactivating them.	UD02, SS02-07, SS09

22 Unique Scenarios

60 Example System Actions

Mapped to Requirements

This information is for State of Kansas internal use only.

Project Phasing Overview

Phase 1

- ✓ Commission a Core Project Team
- ✓ Develop System Requirements
- ✓ Complete Feasibility Study Report
- ✓ Develop Scope of Work

Phase 2

- ✓ RFI / RFP
- ✓ Evaluate & Award
- ✓ Kick-Off Process

Phase 3

- ✓ Design
- **Build**
- Deploy
- Maintain

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Approach to Phase 1

1. Development of a Solid Set of System Requirements
   A. Focus on Users (Customers) & Administrators
   B. Comprehensive & Complete
   C. Include Enterprise Architecture
   D. Development Of Procurement Strategy

2. Create Feasibility Study Report

3. Leverage Kansas Assets
   a. One-Stop-Shop History
   b. Team Cohesiveness & History
   c. Institutional Structure (KTC)
   d. Existing System Infrastructure (KGATE, KS511, CVIEW, Others)
   e. Motor Carrier Support
   f. Management Support

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Project Risks

Clear, Comprehensive System Specifications

Technical Risk
30 Unique Varieties of Permits
Quality of Back-End Data
Multiple Legacy System Interfaces

Procurement Cycle Planning
Thoughtful RFP
Adequate Response Time
Vetting of Vendors

Contracting Risk
Non-Qualified
Under-Performance

Institutional Risk
Multiple Agency Sponsors
Legislative Mandates
Budget

Very Low !

Rigorous Project Management Plan
Payment-Based Testing Plans
Training & Documentation

Deployment Risk
Bugs / Crashes
Agency Training
Carrier Training / Usage

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NEW SYSTEM HIGHLIGHTS

Web-Based System

24/7 Accessibility

Account Management

Queue Management

Permitting Services

Interactive Help
(Online Chat Help)

Electronic Issue

Self-Issue Permits

Payment Options

Reporting

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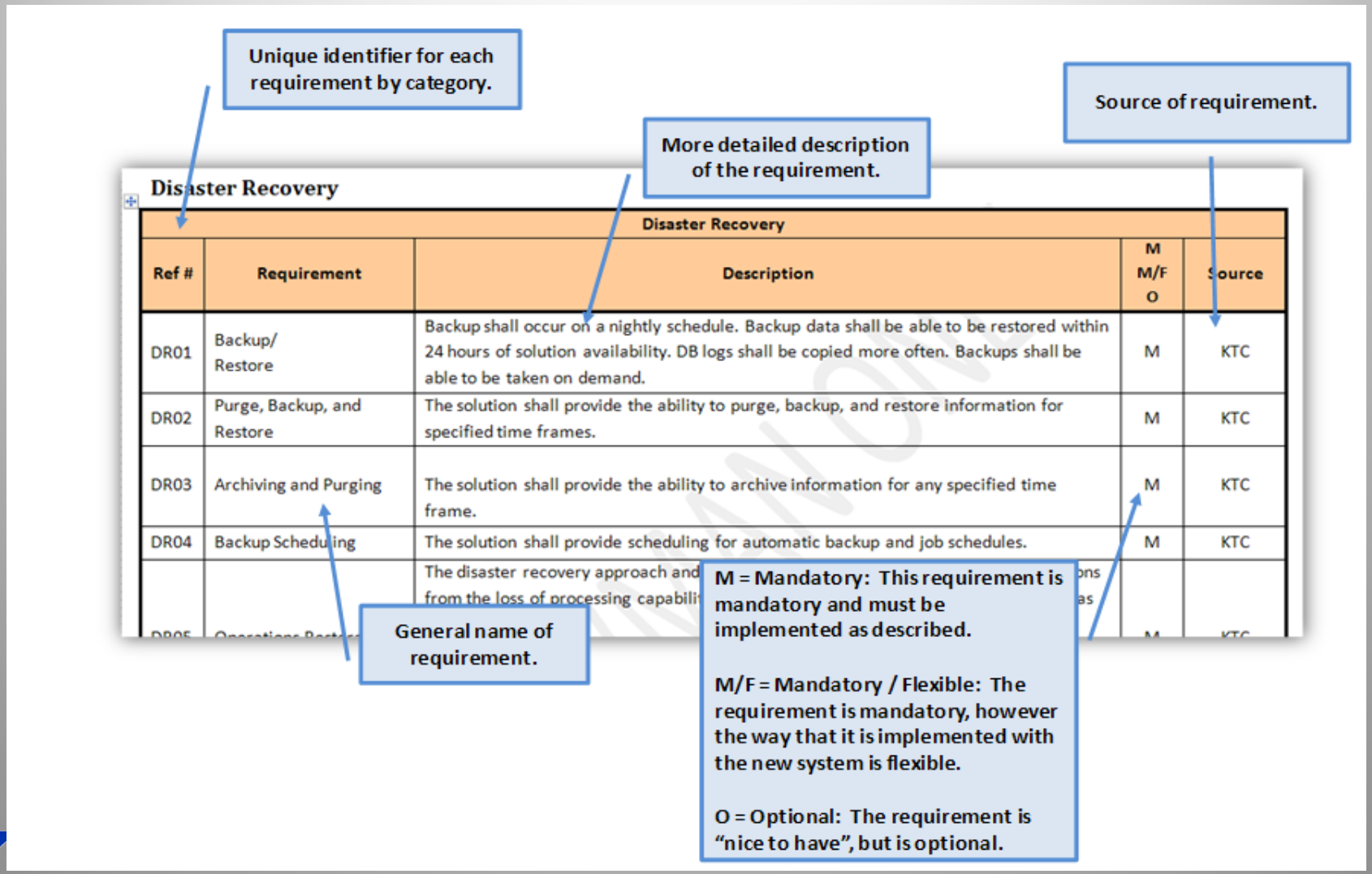
REVIEW OF FINAL REQUIREMENTS DOCUMENT



Procurement & Award

Request for proposal Released to Vendor Community

Three Qualified Proposals

Three Interviews

Award Made to:

ProMiles Software Development Corporation

Bridge City, Texas

ProMiles Software Development Corporation

Project Status

Project Execution Began 10-03-11

On-Schedule – On-Budget

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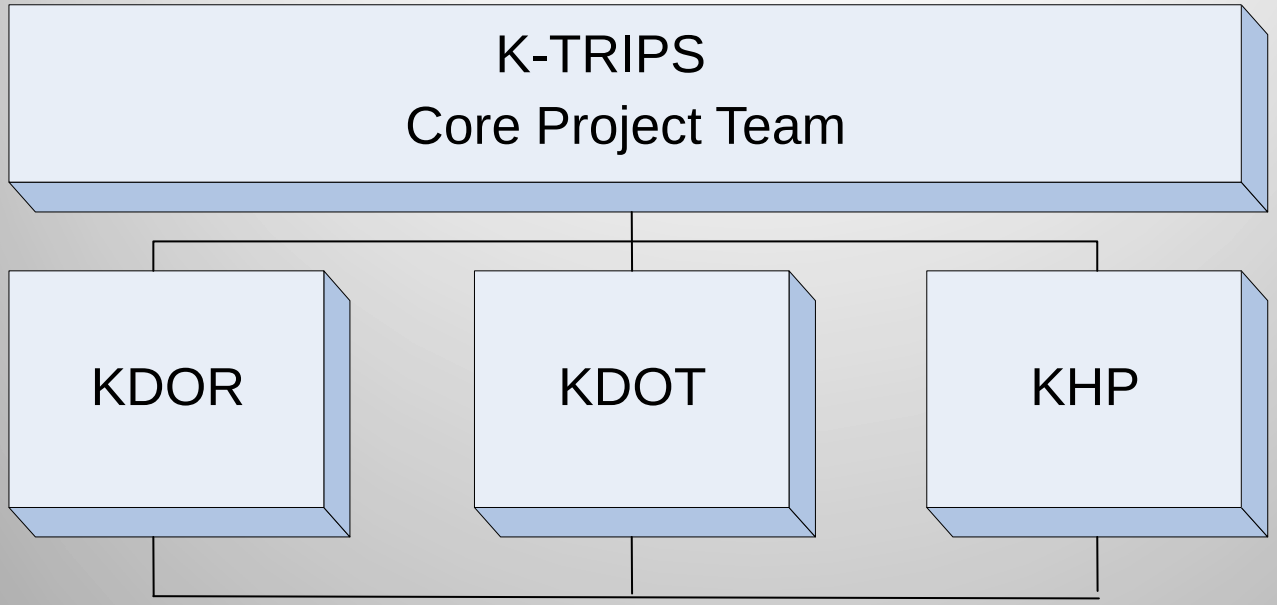
The Project Team



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Routing Demonstration

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Questions & Thank-You

- June 20, 2013 HEEP Area V Presentation
  - Wally Ballou, KDOT

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