


UDOT Right of Way Maps  
A Beginning to the End...?



James A. Olschewski, PLS, CET  
Deputy Director Right of Way

---

---

---

---


---

---

---

Agenda

A History...  
Symbols  
Projects  
Examples



---

---

---


---


---

---

---

UDOT's Vision





---

---

---

---

---

---

---

### Mission Statement

Innovating transportation solutions that strengthen Utah's economy and enhance quality of life.




---

---

---

---

---

---

---

---

### Strategic Goals

**zero** Crashes  
Injuries  
Fatalities

Zero  
Fatalities



Preserve  
Infrastructure



Optimize  
Mobility




---

---

---

---

---

---

---

---

### UDOT'S Road Map

**UDOT'S ROAD MAP**

**VISION**  
KEEPING UTAH MOVING

**MISSION**  
Innovating transportation solutions that strengthen Utah's economy and enhance quality of life.

**STRATEGIC GOALS**

**ZERO CRASHES, INJURIES AND FATALITIES**  
UDOT is committed to safety, and we won't rest until we achieve zero crashes, zero injuries and zero fatalities.

**PRESERVE INFRASTRUCTURE**  
We achieve good roads, cost less, and through proactive preservation we maximize the value of our infrastructure investment for today and the future.

**OPTIMIZE MOBILITY**  
UDOT optimizes traffic mobility by adding roadway capacity and incorporating innovative design and traffic management strategies.

**EMPHASIS AREAS**

1. INTEGRATED TRANSPORTATION

2. COLLABORATION

3. EDUCATION

4. TRANSPARENCY

5. QUALITY

**UDOT'S CORE VALUES**

• INNOVATION


• PASSION

• FISCAL RESPONSIBILITY

• DEDICATION

• INTEGRITY

• PUBLIC RESPONSIVENESS



---

---

---

---

---

---

---

---

### A History of UDOT

#### A History...



Learn from history or you may end up repeating all the same mistakes

**HISTORY**

**UDOT**  
Utah Department of Transportation

---

---

---

---

---

---

---

---

### A History of UDOT

- March 23, 1909 – Utah State Law creates the State Road Commission
  - Laws of Utah, 1909, Chapter 119, Pages 282-287
- The State Road Commission consisted of the:
  - Governor, State Engineer, State Treasurer, and 1 member of the Agricultural College of Utah and the U of U
- County Commissioners secure and acquires all public right-of-way(s) for the State Road Commission
- 1933 – State law changes power from County Commissioners to the State Road Commission
  - Utah Code Annotated, 1953 as amended, Title 27, Chapter 12, Section 7

**UDOT**  
Utah Department of Transportation

---

---

---

---

---

---

---

---

### A History of UDOT

- 1945 - Utah State Law grants authority to acquire state highways and limited-access facilities to the State Road Commission
  - Laws of Utah, 1945, Chapter 63, Sections 1-8
  - Utah Code Annotated, 1953 as amended, Title 27, Chapter 12, Sections 101 & 111
- 1953 - State Road Commission is statutorily changed to the Department of Transportation
  - Utah Code Annotated, 1953 as amended, Title 27, Chapter 12, Sections 1
- 1975 – The State Road Commission is dissolved and transferred to the Department of Transportation

**UDOT**  
Utah Department of Transportation

---

---

---

---

---

---

---

---

## A History of UDOT

### Why was this History Lesson Necessary?



## A History of UDOT

- Why Does UDOT do what we do...?
- As part of UDOT's Mission and Vision Statement, UDOT is tasked with designing and building cutting edge facilities.




## UDOT ROW Maps

- What is the purpose of UDOT Right of Way (ROW)?
  - To Clear to right of way for construction projects



UDOT ROW Maps

- How does UDOT accomplish this?
- And under what Authority?
  - US Constitution
    - Bill of Rights
  - Federal Law
  - Federal Regulations
  - Utah Statutes



---

---

---

---

---

---

---

U.S. Constitution

Fifth Amendment / Bill of Rights

- No person shall be deprived of life, liberty, or *property* without due process of law.
- Private *property* shall not be taken (acquired) without payment of *just compensation*
  - Eminent Domain Authority: "The power of the government to take (**acquire**) private property for public purposes with payment of *just compensation*."



---

---

---

---

---

---

---

Uniform Act

Federal Law

- Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (as amended)
  - URA
  - 49 CFR Part 24
- All address rights of property owners & displaced persons (renters, etc.)



---

---

---

---

---

---

---

### Uniform Act (continued)

- Applies to
  - All Federal and
  - Federally-assisted and
  - State Funded Projects
- Establishes minimum requirements for
  - Real property acquisitions (including the appraisal process).
  - Relocations




---

---

---

---

---

---

---

### UDOT ROW Maps

- To provide for the uniform, fair and equitable treatment of persons whose real property is acquired or who are displaced, in connection with Federally funded projects.
- To ensure such persons do not suffer a disproportionate impact as a result of projects which benefit the public.
- To encourage and expedite acquisition by agreement.




---

---

---

---

---

---

---

### UDOT ROW Maps

- How does UDOT accomplish this?
  - With right of Way maps to:
    - define the new corridor
    - Identify additional property needed for the project
    - Relocate owners if/when needed




---

---

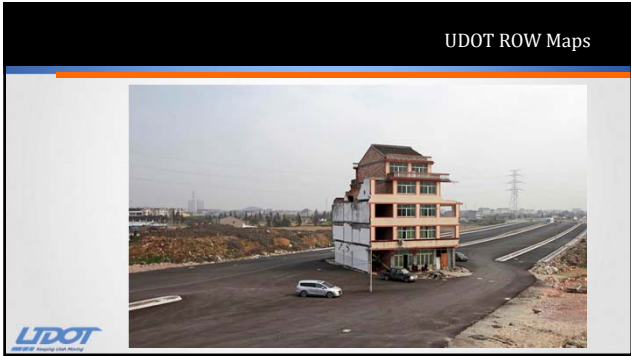
---

---

---

---

---



---

---

---

---

---

---

---



---

---

---

---

---

---

---



---

---

---

---

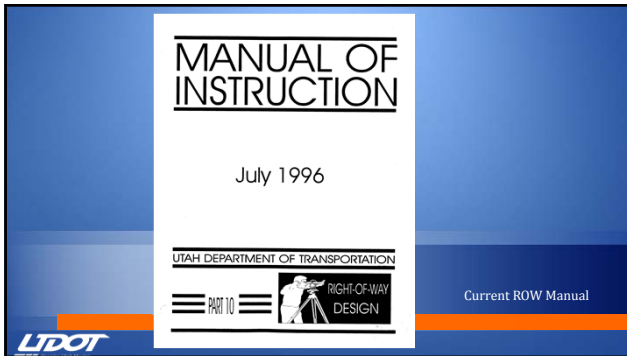
---

---

---








---

---

---

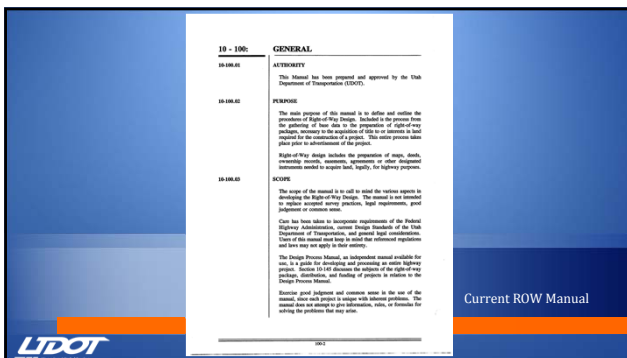
---

---

---

---

---




---

---

---

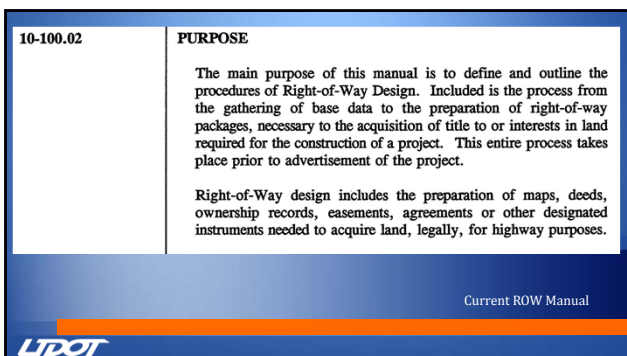
---

---

---

---

---




---

---

---

---

---

---

---

---

10-100.03

SCOPE


The scope of the manual is to call to mind the various aspects in developing the Right-of-Way Design. The manual is not intended to replace accepted survey practices, legal requirements, good judgement or common sense.

Care has been taken to incorporate requirements of the Federal Highway Administration, current Design Standards of the Utah Department of Transportation, and general legal considerations. Users of this manual must keep in mind that referenced regulations and laws may not apply in their entirety.

The Design Process Manual, an independent manual available for use, is a guide for developing and processing an entire highway project. Section 10-145 discusses the subjects of the right-of-way package, distribution, and funding of projects in relation to the Design Process Manual.

Exercise good judgment and common sense in the use of the manual, since each project is unique with inherent problems. The manual does not attempt to give information, rules, or formulas for solving the problems that may arise.

Current ROW Manual



---

---

---

---

---

---


---

---

SCOPE

The scope of the manual is to call to mind the various aspects in developing the Right-of-Way Design. The manual is not intended to replace accepted survey practices, legal requirements, good judgement or common sense.

Current ROW Manual



---

---

---

---

---


---

---

---

Exercise good judgment and common sense in the use of the manual, since each project is unique with inherent problems. The manual does not attempt to give information, rules, or formulas for solving the problems that may arise.

Current ROW Manual



---

---

---

---

---

---

---

---



---

---

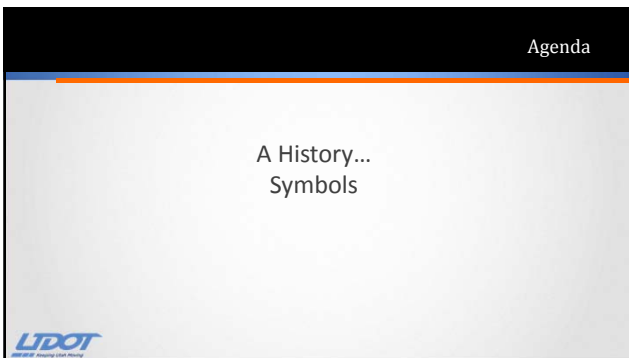
---

---

---

---

---



---

---

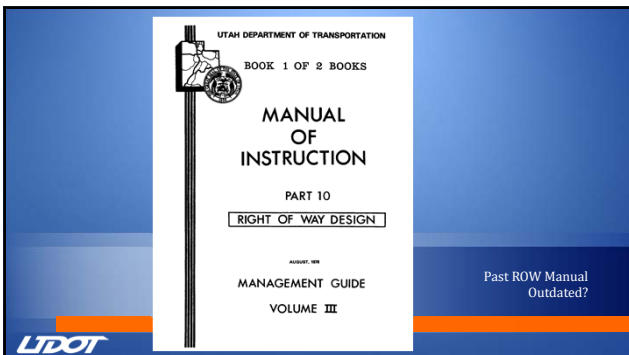
---

---

---

---

---



---

---

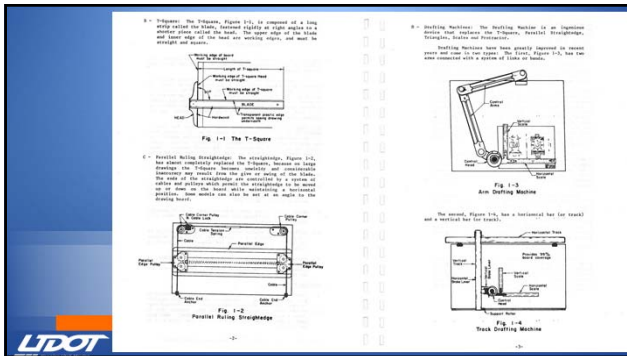
---

---

---

---

---




---

---

---

---

---

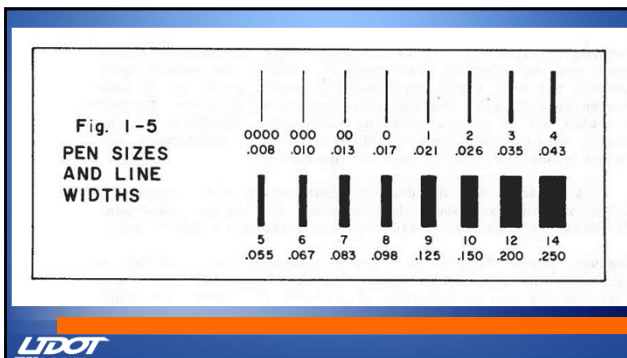
---

---

---

---

---




---

---

---

---

---

---

---

---

---

---

| COMMON SIZE LETTERS AND RECOMMENDED PEN SIZE (USED IN HIGHWAY WORK) |  |                      |
|---|--|----------------------|
| TYPE  | SAMPLE LETTERS                         | RECOMMENDED PEN SIZE |
| 60 CL   | ABCDEFGHIJKLMN OPQRSTUVWXYZ 0123456789 | .009                 |
| 80 CL   | ABCDEFGHIJKLMN OPQRSTUVWXYZ 0123456789 | .012                 |
| 100 CL  | ABCDEFGHIJKLMN OPQRSTUVWXYZ 0123456789 | .015                 |
| 120 CL  | ABCDEFGHIJKLMN OPQRSTUVWXYZ 0123456789 | .018                 |
| 140 CL  | ABCDEFGHIJKLMN OPQRSTUVWXYZ 0123456789 | .022                 |
| 175 CL  | ABCDEFGHIJKLMN OPQRSTUVWXYZ 0123456789 | .028                 |
| 200 CL  | ABCDEFGHIJKLMN OPQRSTUVWXYZ 0123456789 | .035                 |
| 240 CL  | ABCDEFGHIJKLMN OPQRSTUVWXYZ 0123456789 | .045                 |
| 290 CL  | ABCDEFGHIJKLMN OPQRSTUVWXYZ 0123456789 | .055                 |
| 24 PC   | ABCDEFGHIJKLMN OPQRSTUVWXYZ 0123456789 | .035                 |
| 24 PC   | ABCDEFGHIJKLMN OPQRSTUVWXYZ 0123456789 | .035                 |
| 36 PC   | ABCDEFGHIJKLMN OPQRSTUVWXYZ 0123456789 | .055                 |
| 36 PC   | ABCDEFGHIJKLMN OPQRSTUVWXYZ 0123456789 | .055                 |
| 48 PC   | ABCDEFGHIJKLMN OPQRSTUVWXYZ 0123456789 | .075                 |

**Figure 1-6**

| COMMON SIZE LETTERS AND RECOMMENDED PEN SIZE (USED IN HIGHWAY WORK) REDUCED 50% TO CONTRACT SIZE PLANS |  |                      |
|--|--|----------------------|
| TYPE   | SAMPLE LETTERS                         | RECOMMENDED PEN SIZE |
| 60 CL  | ABCDEFGHIJKLMN OPQRSTUVWXYZ 0123456789 | .0045                |
| 80 CL  | ABCDEFGHIJKLMN OPQRSTUVWXYZ 0123456789 | .006                 |
| 100 CL   | ABCDEFGHIJKLMN OPQRSTUVWXYZ 0123456789 | .0075                |
| 120 CL   | ABCDEFGHIJKLMN OPQRSTUVWXYZ 0123456789 | .009                 |
| 140 CL   | ABCDEFGHIJKLMN OPQRSTUVWXYZ 0123456789 | .011                 |
| 175 CL   | ABCDEFGHIJKLMN OPQRSTUVWXYZ 0123456789 | .014                 |
| 200 CL   | ABCDEFGHIJKLMN OPQRSTUVWXYZ 0123456789 | .0175                |
| 240 CL   | ABCDEFGHIJKLMN OPQRSTUVWXYZ 0123456789 | .0225                |
| 290 CL   | ABCDEFGHIJKLMN OPQRSTUVWXYZ 0123456789 | .0275                |
| 24 PC  | ABCDEFGHIJKLMN OPQRSTUVWXYZ 0123456789 | .0175                |
| 24 PC  | ABCDEFGHIJKLMN OPQRSTUVWXYZ 0123456789 | .0175                |
| 36 PC  | ABCDEFGHIJKLMN OPQRSTUVWXYZ 0123456789 | .0275                |
| 36 PC  | ABCDEFGHIJKLMN OPQRSTUVWXYZ 0123456789 | .0275                |
| 48 PC  | ABCDEFGHIJKLMN OPQRSTUVWXYZ 0123456789 | .0375                |

**Figure 1-7**

---

---

---

---

---

---

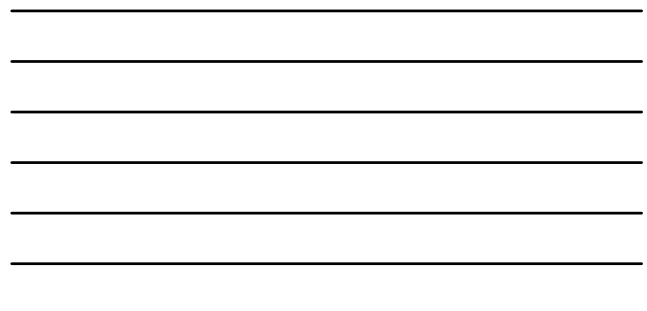
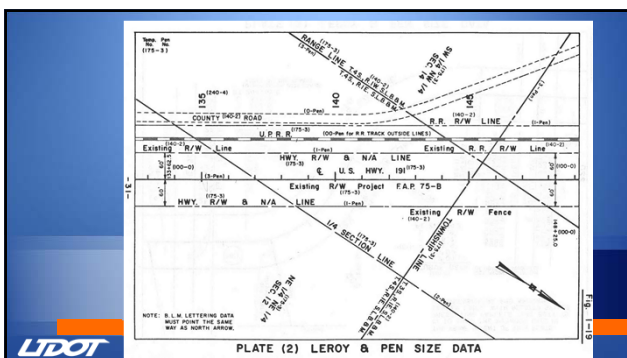
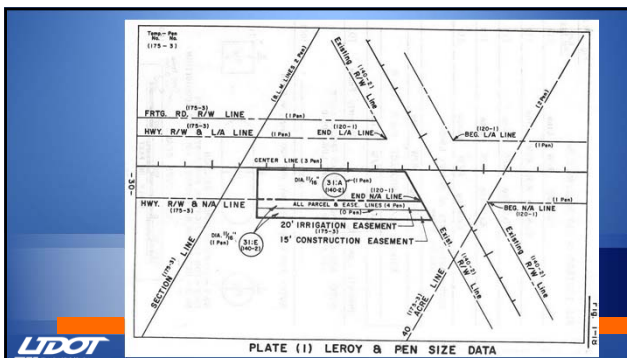
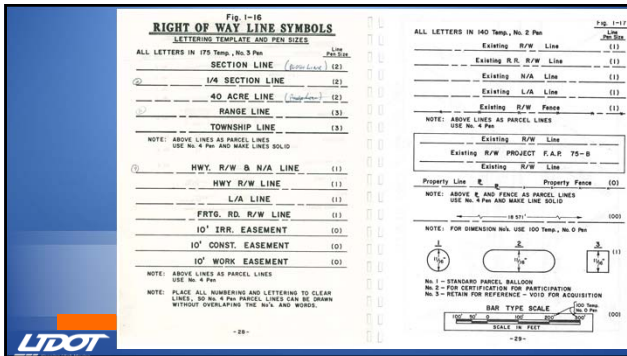
---

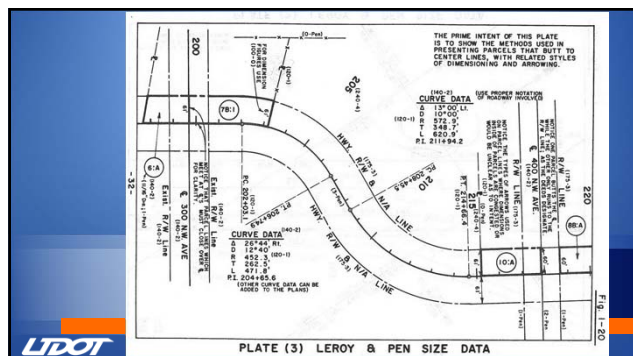
---

---

---







---

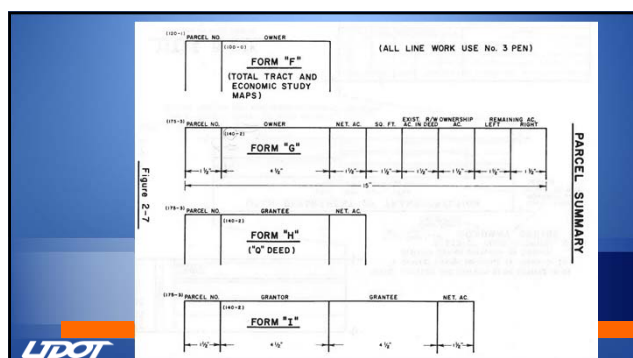
---

---

---

---

---



---

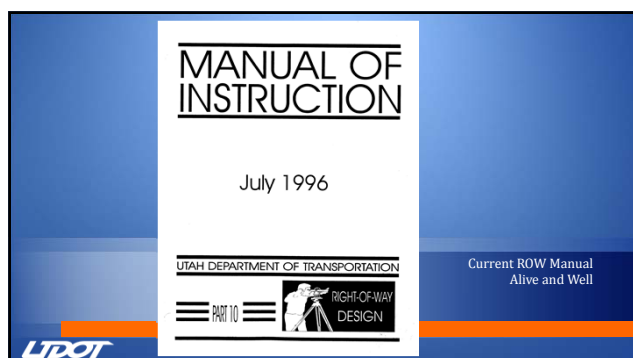
---

---

---

---

---



---

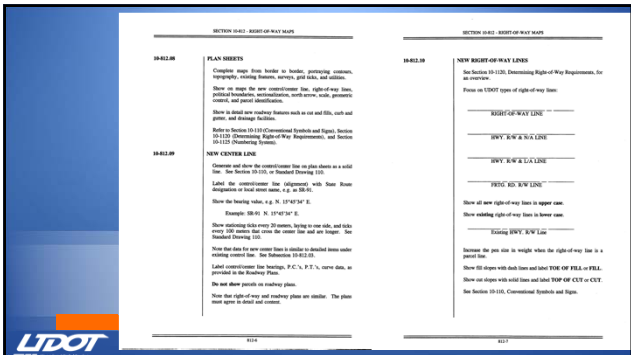
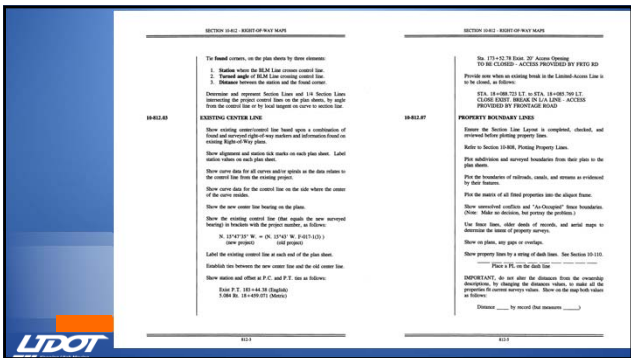
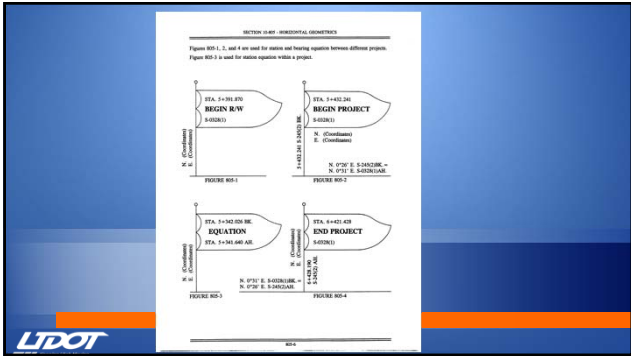
---

---

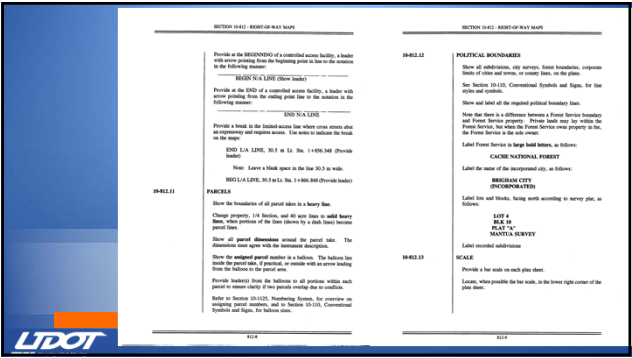
---

---

---







---

---

---

---

---

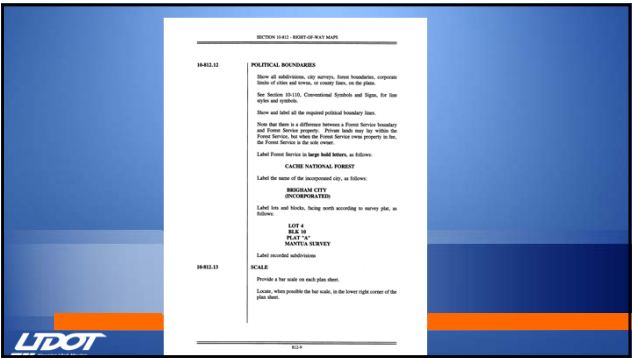
---

---

---

---

---



---

---

---

---

---

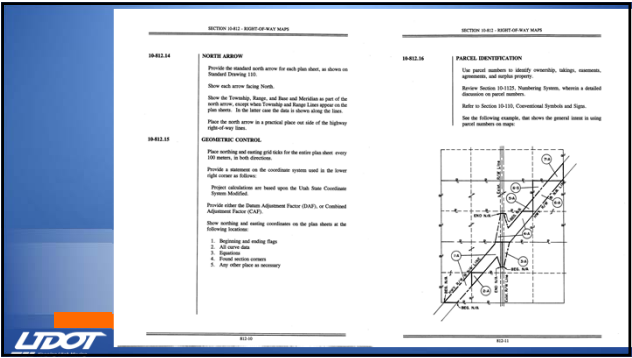
---

---

---

---

---



---

---

---

---

---

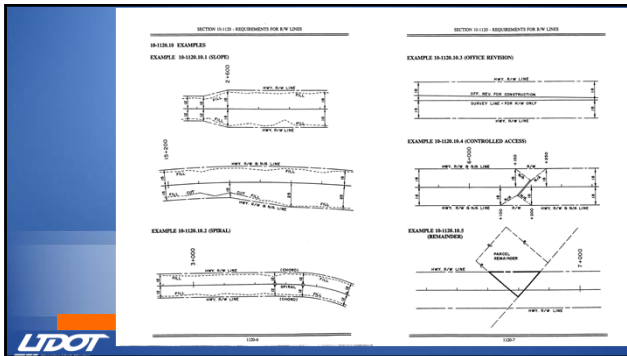
---

---

---

---

---




---

---

---

---

---

---

---

---




---

---

---

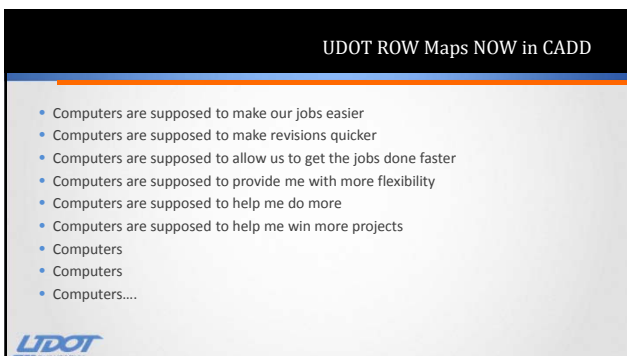
---

---

---

---

---




---

---

---

---

---

---

---

---




---

---

---

---

---

---

---

---




---

---

---

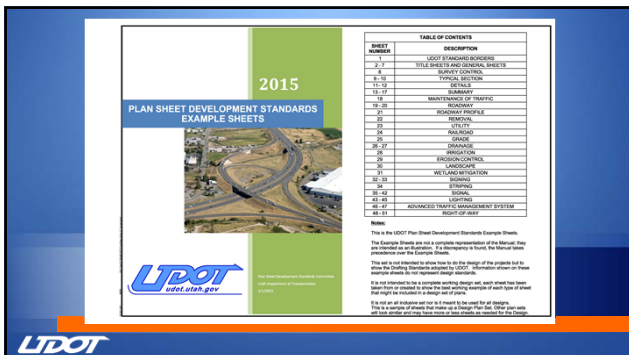
---

---

---

---

---




---

---

---

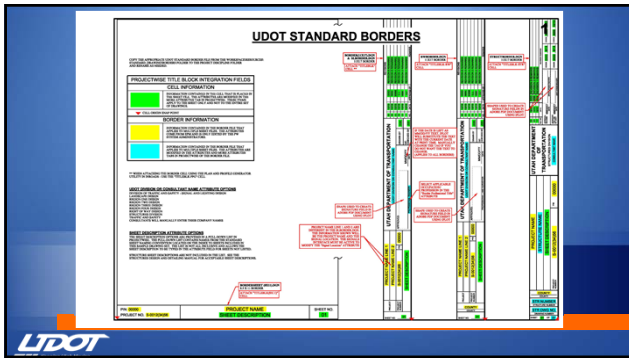
---

---

---

---

---



---

---

---

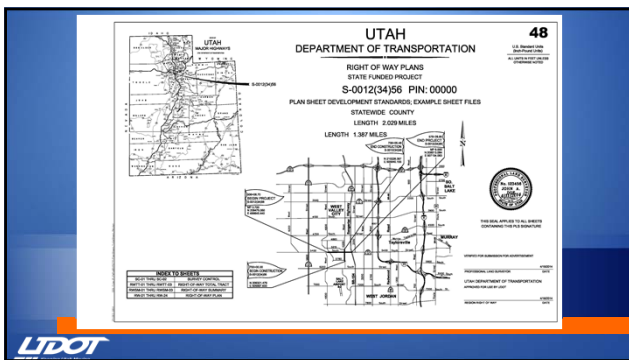
---

---

---

---

---



---

---

---

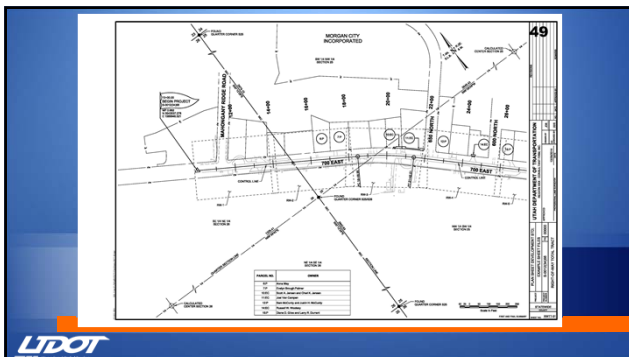
---

---

---

---

---



---

---

---

---

---

---

---

---

The screenshot shows a detailed project cost summary table for the Red Hills Parkway Interchange Project. The table is organized into several columns, including project name, location, and various cost categories. The LIDOT logo is visible in the bottom left corner.

| PROJECT NAME                          | LOCATION                      | EST. COST | ACT. COST | PERCENTAGE | STATUS    |
|---------------------------------------|-------------------------------|-----------|-----------|------------|-----------|
| Red Hills Parkway Interchange Project | Red Hills Parkway Interchange | 1,000,000 | 1,000,000 | 100%       | Completed |
| Red Hills Parkway Interchange Project | Red Hills Parkway Interchange | 1,000,000 | 1,000,000 | 100%       | Completed |
| Red Hills Parkway Interchange Project | Red Hills Parkway Interchange | 1,000,000 | 1,000,000 | 100%       | Completed |
| Red Hills Parkway Interchange Project | Red Hills Parkway Interchange | 1,000,000 | 1,000,000 | 100%       | Completed |
| Red Hills Parkway Interchange Project | Red Hills Parkway Interchange | 1,000,000 | 1,000,000 | 100%       | Completed |
| Red Hills Parkway Interchange Project | Red Hills Parkway Interchange | 1,000,000 | 1,000,000 | 100%       | Completed |
| Red Hills Parkway Interchange Project | Red Hills Parkway Interchange | 1,000,000 | 1,000,000 | 100%       | Completed |
| Red Hills Parkway Interchange Project | Red Hills Parkway Interchange | 1,000,000 | 1,000,000 | 100%       | Completed |
| Red Hills Parkway Interchange Project | Red Hills Parkway Interchange | 1,000,000 | 1,000,000 | 100%       | Completed |
| Red Hills Parkway Interchange Project | Red Hills Parkway Interchange | 1,000,000 | 1,000,000 | 100%       | Completed |

---

---

---

---

---

---

---

---

Agenda

A History...  
Symbols  
Projects

---

---

---

---

---

---

---

---

Red Hills Parkway Interchange Project

---

---

---

---

---

---

---

---

Mountain View Corridor



---

---

---

---

---

---

---

Mountain View Corridor



---

---

---

---

---

---

---

I-15 Core



---

---

---

---

---


---

---



Agenda

A History...  
Symbols  
Projects  
Examples



---

---

---

---


---

---

---

ROW Plan Examples

- Example of Plans
- PDF files or ???



---

---

---

---


---

---

---

ROW Plan Examples

What happens when we think we are  
done with the ROW Plans?



---

---

---

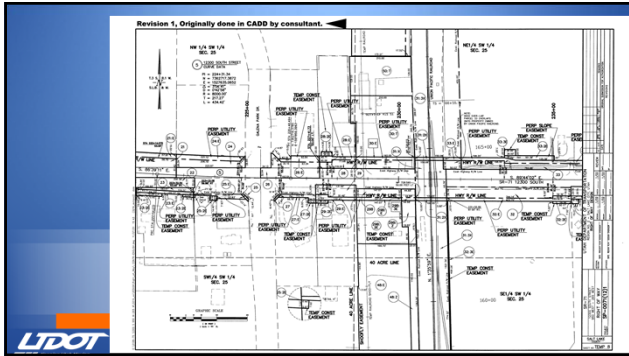
---

---

---

---





---

---

---

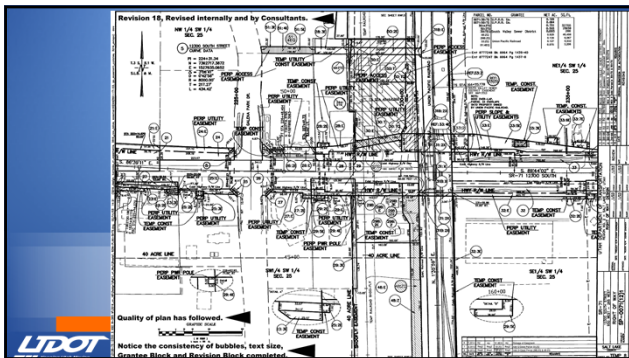
---

---

---

---

---



---

---

---

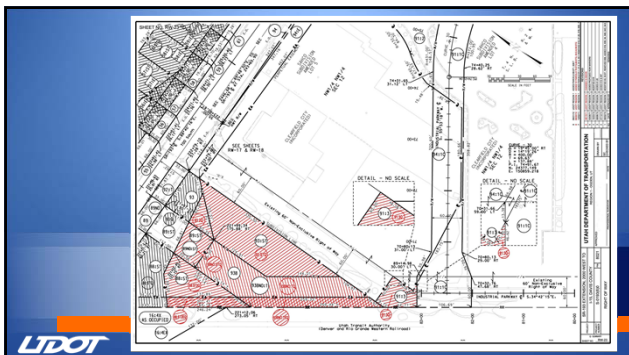
---

---

---

---

---



---

---

---

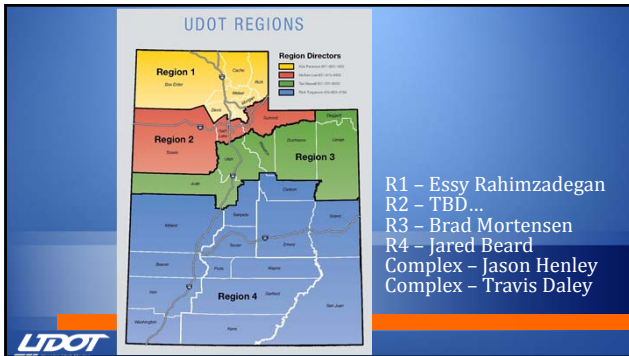
---

---

---

---

---




---

---

---

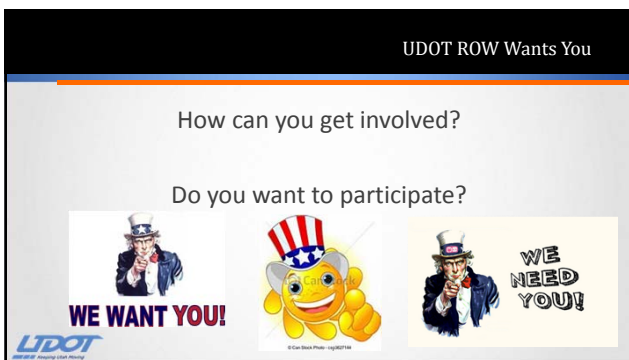
---

---

---

---

---




---

---

---

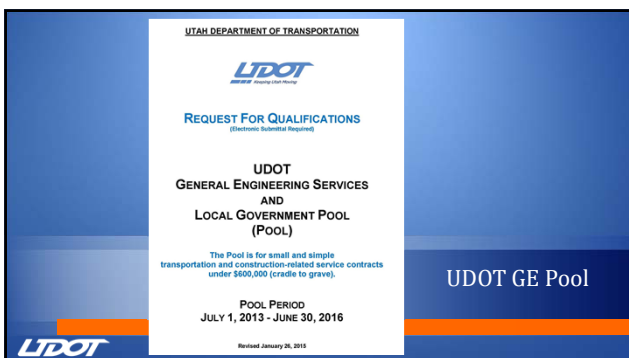
---

---

---

---

---




---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---



---

---

---

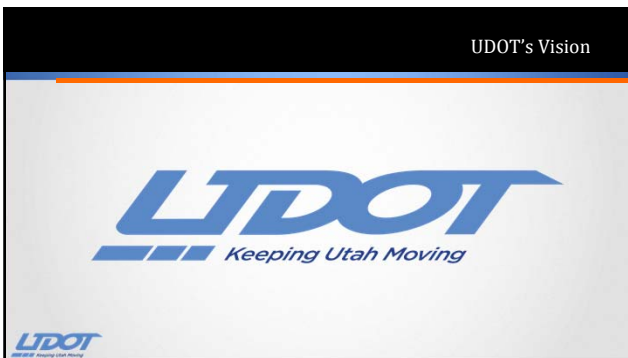
---

---

---

---

---



---

---

---

---

---

---

---

---