



Utah Department of Transportation

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UDOT's New Crop

Bridge Farms





Building bridge superstructures and moving them into place saves time and money for Utah drivers and UDOT, which is using a high-tech engineering feat

DROP AND DRIVE

The Utah Department of Transportation tonight initiates a massive effort to replace 12 bridges on or near the Interstate 80 corridor. Crews will begin transporting the first bridge deck for what will be a three-day

journey down to Highland Drive. In what UDOT touts as the largest and most ambitious project of its kind in the world, the agency will move seven preassembled bridge decks — about one per week — for placement between

State Street and 1300 East over the next two months. The first will be transported from the bridge construction site near I-80 and the 1300 East loop ramp, with road closures accompanying the move (see map).

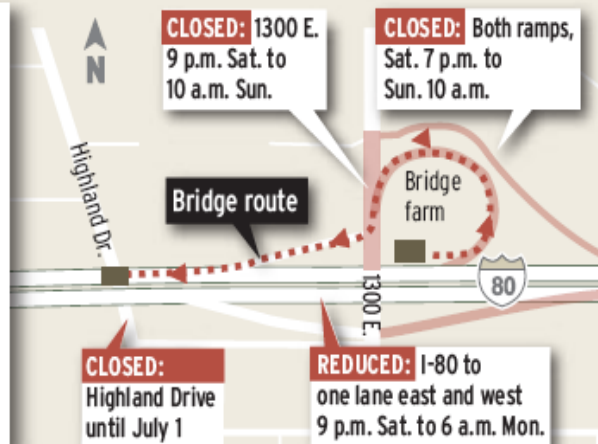
How the prebuilt bridges will be installed along I-80 over the summer:



Bridge decks will be moved by what are called self-propelled modular transports, which are similar to devices used on the I-215 overpass at 4500 South last fall.



Once at its destination, the bridge deck will be moved off the SPMTs, put onto a launching platform and pushed into position, held up by jacking towers.













OVERVIEW

Three main areas where training is held

- ◆ Construction/Materials
 - WAQTC & Inspection Training
- ◆ Operations
 - Equipment Training
- ◆ Human Resources
 - Human Development & Leadership Training



2004 Combination of Construction & Maintenance

Construction/Engineering
Technicians I - III

Highway Operations
Specialist & Leads

Transportation Technicians I - III

Region Construction
Engineer

Region Operations
Engineer

District Engineers



Outcome

Cross Training Challenge

- ◆ 90 Construction Employees who required maintenance training
- ◆ 680 Maintenance employees who required Construction & Materials Training



Outcome

Construction

- ◆ CDL
- ◆ Equipment Training

Maintenance

- ◆ Inspection
- ◆ Materials



Transportation Education Program (TEP)

- ◆ Partnered with Salt Lake Comm. College
 - ◆ 4 ½ Year Program
 - Academy
 - Long Course (Level I – IV)
 - Short Course (Level I – IV)
 - ◆ Pay raises tied to completion at 3 different levels
 - Probationary raise (3 %) after 6 months
 - 2 ½ % Raise after level II
 - 5 ½ % Raise after level IV
- 11 % Total



Transportation Education Program (TEP)

◆ Academy

- 2 week training
 - held twice a year (Spring & Fall)
- New employees required to attend
- Week 1 = Basic information on Inspection Procedures, Materials Testing and Equipment Management
- Week 2 = Hands on Equipment Training
 - Trucks - Loaders – Graders – Mowers – Sweepers – Tar Pot – Sanders - Etc...



Transportation Education Program (TEP)

- ◆ Long Courses (4 Levels)
 - Professional Instructors (SLCC)
 - November – February
 - Math & English Classes
 - Basic Math, Algebra & Geometry
 - English I & II, Writing Skills & Tech Writing

Levels I & II are Required to perform basic job functions
Levels III & IV are NOT Required



Transportation Education Program (TEP)

- ◆ Short Courses (4 Levels)
 - Taught by State Employees
 - March & April (6 weeks)
 - Plan Reading, Insp. & Doc., Materials Training, Survey, Structures, Word, Excel, Power Point, Leadership, Computer Lab, GPS/GIS, Curves, MMQA & MMS
- ◆ All short courses are offered online
 - History includes classroom, EdNet Sites, Streaming Video & DVD's



QUESTIONS
or
COMMENTS



THANK YOU

This has been a great opportunity to learn what other states are doing.