

# Utility Accommodation in District 1 Projects

ACEC

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## Goal 1:

Improve awareness and compliance with utility policy and permit requirements

### Objectives:

- Update the Utility Accommodation and Coordination Policy
- Work with Iowa One-call to improve utility locates
- Develop a utility construction conflict resolution process

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## Goal 2:

Implement a more proactive project development process to avoid, minimize and mitigate the impacts on utility facilities

### Objectives:

- Develop pilot projects identification, conflict analysis, and resolution of utility impacts
- Pilot the use of multi-duct installations in congested areas
- Pilot digital utility as-builts on a few contracts for installation of DOT owned utility facilities

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### Summary of proposed policy changes

- Point 25 process updates
  - Earlier notification of utilities (10% design/concept)
  - Improved investigation to identify utilities in the project limits
  - Utilities required to provide location information of their facilities within the project limits to help with conflict avoidance and mitigation
  - Earlier plan submittal to utility companies (30% design / ROW impact buffer)
  - Utilities required to review design conflicts with their facilities and provide one work plan (instead of two) but earlier in the process
  - Non-compliance better defined as failure to: provide an acceptable work plan in a timely manner as required, failure to adjust its facilities according to the accepted work plan

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### Utility coordination | U events (proposed)

- U00 – Investigation (0-10% design completion)
- U01 – Notification | Location data request (10% design completion) (60 days to provide)
- U02 – Location verification (30 days to provide)
- U03 – Preliminary plan submittal (30% design completion) (60 days to provide conflict review)
- U04 – Semifinal plan submittal (60% design completion) (90 days to provide relocation work plan)
  - Final plan (if needed - significant changes to department plan)
- U05 – Agreement (30-60% design completion)
- U06 – Notice to proceed (after all approvals)
- U07 – Utility bid attachment (relocation status in contract letting docs)

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### Pilot Project Goals

- Identify Utilities Early in the Process
- Conduct Notifications Much Earlier
- Identify Project Utility Corridors
- By D2 (20%) have a draft relocation plan
- By D5 (85%) have a final relocation plan
- Include known property needs in ROW design

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### Multi-duct installations on D1 Projects

- Projects that have already identified the need for multi-duct installations are:
  - I-80 & Hickman Road (U.S. 6)
  - U.S. 69 Ankeny
- Install multi-duct conduit as part of the project
- DOT pays for the design & installation
- Capture lessons learned

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### Hickman / 128<sup>th</sup> Street Project:

Sta. 640+19.00 WBL  
End 12' Lanes  
Begin Lane Transition  
Adjust Water Valve to Proposed Grade  
Water Main Easement  
Construction Limits  
10:1 Taper  
45:1 Taper  
Sign to be

3 Electric 10 Communication 3 Water 1 Sanitary 2 Gas

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### I-35/80 and Hickman Interchange Project:

4 Electric 13 Communication 3 Water 3 Sanitary 2 Gas

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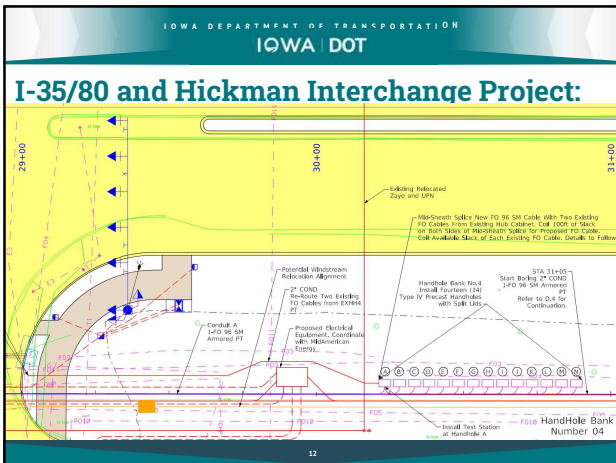
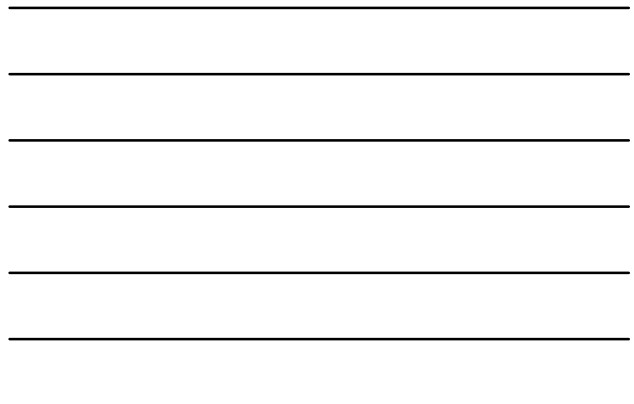
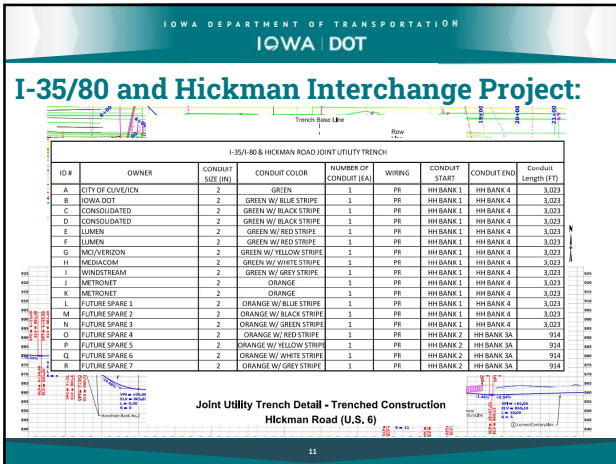
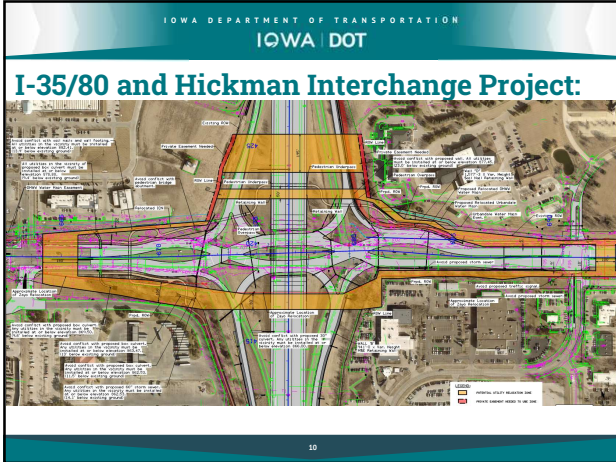
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## US 69: Advanced Utility Coordination

- Early and often communication with franchise utilities
- Individualized meetings with each utility
- Utility's funding mechanism and design development
- Utility's procurement of materials and hiring of a contractor (preferred vendor, bid, etc)
- Utility's duration of installation, scheduling of cutover/splices, and notifications of network disruptions
- Provide a preliminary routing for each utility

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*Thank you!*

**IOWA | DOT**

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