

## Utility Conflict Management (UCM)

### - Utility Conflict List

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## Utility Conflict Management (UCM) - Utility Conflict List

The purpose of this Design Bulletin is to provide guidance for the use of the Utility Conflict Matrix (UCM). The Utility Conflict Matrix (UCM) is for the identification of utility conflicts with new roadway design features. UCMs are designed to help CDOT, and utility companies identify the best and most cost-effective solutions. The UCM is designed to be scalable and support a range of project sizes and conditions, in varying levels of project design.

The immediate benefits of the UCM process include proactive identification of both utility conflicts and alternative design solutions to minimize costs and foster greater communication among affected parties. Together, these improvements lead to more cost-effective processes with reduced risks. Ultimately, the benefits of using a UCM on roadway and bridge construction projects include:

- Fewer contractors change orders and delay claims
- Reduced costs from construction delays
- Improved project development procedures based on anticipating and resolving utility conflicts early in the process
- Better communication among transportation agencies and utilities
- Reduced impacts on the public from construction-related delays
- Reduced impacts on the public from utility disruptions
- Improved worker and public safety from construction-related hazards

Here are the Utility Conflict Management – Utility Conflict List in different formats:



Utility\_Conflict\_Mat  
rix\_Template.xlsx



Utility\_Conflict\_Mat  
rix\_Template.pdf



Utility\_Conflict\_Mat  
rix\_Plan\_Sheet.dgn

You may also find this list on the:

- [Utility Program website](#)
- Google Drive (Paste and Copy this link into your search engine's URL address bar):  
<https://drive.google.com/drive/folders/1qOYr01MVihzcquGQPTuh9fFnfXOYYxDa?usp=sharing>
- [Utility Conflict Matrix \(UCM\) Design Bulletin Training Video link](#)

### References:

This Design Bulletins and others can be found on the CDOT website at:

[https://www.codot.gov/business/designsupport/bulletins\\_manuals/design-bulletins](https://www.codot.gov/business/designsupport/bulletins_manuals/design-bulletins)

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