

UCM IMPLEMENTATION IN DELAWARE: LESSONS LEARNED

ERIC C. CIMO, P.E. – DELDOT UTILITIES ENGINEER

TRB ANNUAL MEETING, 01/15/2019



Delaware Department
of Transportation

THOUGHTS GOING INTO GRANT

OBJECTIVES:

- FOCUS ON CUSTOMIZED UTILITY CONFLICT MATRIX FOR DELDOT PROJECT/PLAN DEVELOPMENT PROCESS
- DEVELOP MATRIX USERS GUIDE
- DEVELOP AND PROVIDE TRAINING
- IMPLEMENT MATRIX AS INTEGRAL TOOL IN THE PROJECT DEVELOPMENT PROCESS



THOUGHTS GOING INTO GRANT

BENEFITS:

- EASY TO USE WORKBOOK SPREADSHEET FORMAT
- PROVIDES STANDARDIZED METHOD AND FORM FOR TRACKING UTILITY CONFLCITS AND RESOLUTIONS
- CREATES A RECORD OF UTILITY CONFLICT INVESTIGATION AND COORDINATION EFFORTS
- KEEPS ALL STAKEHOLDERS ON THE SAME PAGE
- OVERALL **LESS** WORK BY AVOIDING LAST MINUTES ISSUES AND CONSTRUCTION CONFLICTS



THOUGHTS GOING INTO GRANT

DRAWBACKS:

- STAFF ***IMPRESSION*** THAT USE OF THE UCM CREATES ***MORE*** WORK



PROGRESS

- UCM WORKBOOK IS FINALIZED
 - ✓ UCM MATRIX WORKSHEET
 - ✓ COST ESTIMATE ANALYSIS WORKSHEET
 - ✓ USER GUIDE WORKSHEET
 - ✓ FIELD AND COLUMN DESCRIPTIONS WROKSHEET
 - ✓ DROP-DOWN LISTS WORKSHEET
- USER GUIDE COMPLETE AND INCLUDED AS A WORKSHEET IN THE UCM WORKBOOK



PROGRESS

- STARTED PROCESS TO IMPLEMENT UCM AND UTILITY CONFLICT MANAGEMENT CONCEPTS INTO INTERNAL DESIGN POLICY AND PROCESS DOCUMENTS
- DEVELOPING STAKEHOLDER TRAINING
- INVESTIGATING DEVELOPING SUBSURFACE UTILITY DESIGN AND ANALYSIS (SUDA) SOFTWARE FOR INCORPORATION INTO DELDOT DESIGN PROCESS
- POTENTIALLY LINK SUDA OUTPUT TO UCM



LESSONS LEARNED

- START AT THE TOP TO GET BUY-IN
- IDENTIFY THE HISTORIC ISSUES THAT THE UCM IS ADDRESSING
- KEEP THINGS SIMPLE...FOCUS ON THE SMALL TASKS TO KEEP MOMENTUM GOING AND EXPAND FROM THERE
- INCLUDE ALL STAKEHOLDERS IN DEVELOPMENT PROCESS
- SOLIDIFY USE BY ADDING INTO POLICY AND PROCESS
- SHARE MATRIX WITH CONSTRUCTION PERSONNEL, EVEN IF INFORMALLY



FUTURE ITEMS

- IDENTIFY SERVICE CONNECTIONS AS PART OF COORDINATION PROCESS
- ENSURE SUBSURFACE UTILITY ENGINEERING (SUE) INFO IS REVIEWED FOR ACCURACY
- DEVELOP A TEAM TO SPECIFICALLY OVERSEE UTILITY FIELD WORK, DOCUMENT (AS-BUILT) RELOCATIONS, AND UPDATE UCM
- MAKE SURE COMPANIES UPDATE RECORDS SO PROPERLY MARKED IN RESPONSE TO ONE CALL (811)



CONTACT INFO

ERIC CIMO

STATE UTILITIES ENGINEER

DELAWARE DEPARTMENT OF TRANSPORTATION

EMAIL: eric.cimo@state.de.us

PHONE: (302) 760-2642

