

Utility Location And Highway Design

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APPENDIX B Survey

NCHRP PROJECT 20-05, Synthesis Topic 40-04: Utility Location & Highway Design

QUESTIONNAIRE FOR STATE DOTs

Background

This survey is designed to gather data on how states approach integrating utility issues into their highway design process. Highway projects may be designed with little or no consideration of existing utilities, resulting in routine utility relocations late in the project development process. The other end of the spectrum of practice is to leave utilities in place, map them accurately very early in the project development process, and design the roadway to avoid most or all utility conflicts.

It is important to receive feedback from all applicable departments within your DOT; however, we only want to receive one survey back per DOT. Therefore, please print out as many copies of the survey as necessary for your internal distribution and collate the results into one survey for submission through the web. We realize there may be answers to some questions for which there is not consensus within the DOT. Please use your judgment to choose the "best" answer(s) for final submission. However, non-consensus is also an important fact to know for the study, so Question #5 is designed to answer this. The first five questions do not need to be routed to or answered by anyone other than the person responsible to submit the final survey.

The due date for this survey is February 21, 2009.

Please provide the following information for your agency. Your agency will be identified in the report as a survey respondent if the completed questionnaire is returned or submitted.

1) Agency Name

2) Agency Address

3) Person(s) and Title(s) of Respondent(s)

4) Please give us a contact phone number and e-mail address for the primary respondent to this survey

5) This question is to be filled out only by the person responsible to collate answers. We realize that there may be some diversity of opinion on some of the answers to the questions depending upon who is taking the survey. You may have been forced to make your best judgment about the correct answer, based upon your knowledge and the general consensus of the survey takers. Please indicate below which questions, if any, had different answers from different persons within your organization by checking the appropriate box for each listed question number.

COOPERATIVE. HIGHWAY. RESEARCH. PROGRAM. NCHRP. SYNTHESIS . Utility Location and. Highway Design. A Synthesis of Highway Practice. TRB's National Cooperative Highway Research Program (NCHRP) Synthesis Utility Location and Highway Design explores current. Download a PDF of "Utility Location and Highway Design" by the National Academies of Sciences, Engineering, and Medicine for free. Read chapter Summary: TRB's National Cooperative Highway Research Program (NCHRP) Synthesis Utility Location and Highway Design explores . FEDERAL HIGHWAY ADMINISTRATION. REQUIREMENTS LOCATION AND DESIGN ISSUES UTILITY PLANNING CURRENT AND LONG-RANGE. Avoiding Utility Relocations, This manual describes the problems common to highway designers and utility owners, the tools available to locate. Issue 4: Modify Highway Design to Minimize Utility Relocations. Issue 5: Obtain Sufficient Right-of-Way to Accommodate Utility. Relocation. highway contractors, design consultants and utility companies utility facilities located in the right-of-way is necessary to accommodate highway improvements, . for the accommodation of utilities crossing highway (and freeway) highway and its use should be considered in the design and location of. This page provides an overview of utility adjustments for highway right of way projects, including a flowchart. It includes transition terms and acronyms, glossary . Template Name, Description. Pole Relocation Summary Sheet, Spreadsheet used to summarize existing and relocated utility pole locations. Process Guide. Good risk decisions on design and construction cannot be made . Improvement), and NCHRP (Utility Location and Highway Design). Each of these. SUE services can include utility design, utility coordination, surveying and (DOTs), local highway agencies, utility companies, and highway design consultants. The design of utility facilities located within the existing or proposed highway right -of-way requires coordination among the Project Manager. suggested location and design standards applying to the accommodation of or relocation of utility facilities located within the limits of a Federal-aid highway. utility operations on highway right-of- way. Utility Location and Design - General. - 1. .. poles); and the design and installation of facilities which could. Encroachments Permitted Within Conventional Highway Right-of-Way .. considered in the design and location of utility facilities on or along highway. The design and location of utility facilities along the highway must highway. The utility owner shall be responsible for the design of its facility. Description: Part identifies the rules and regulations associated with the accommodation of utility facilities located within state highway rights-of-way, and . The following definitions apply to the accommodation of utilities on highway projects: .. Design Phase Locate Meeting with the Utilities to explain the limits and. A lack of reliable information on the location of underground utilities can result has become a routine requirement on highway and bridge design projects, and. (v) In any case, and on all types of roads, utility facilities should be located as close as etc., unless the appropriate provisions of the AASHTO Highway Design. JMT provided

complete subsurface utility designating, locating (test pits) and CADD design files were created for direct upload into SHA highway design. The activities of URR in relation to highway construction projects are directed D . Potholes for utility elevations at locations specified by Design consultant. While the location of subsurface utilities might be found of SUE services has become a routine requirement on highway and bridge design.

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