This is a description of the files contained in the folder 'arc-diagram-d3.' This folder contains the files that support the visualization tool developed for NCHRP Project 20-126(02). Some of these files can and should be accessed by users, others, such as the javascript (js) and html files, should not be manipulated or changed by the user.

*The html files that **should not be edited** are:*

definitions.html   an html file that contains system definitions.

homepage.html   an html file that is the visualization tool's homepage.

index.html   an html file that displays the visualization tool in a web browser.

*The javascript files that **should not be edited** are:*

arc-diagram.js   a javascript file for generating the arc diagram.

data-source.js   a javascript file that detailing the definitions of each issue and objective and the strength of the relationships between elements. This file is replaced when data is exported from the spreadsheet nchrp_20_126_2_tool_configuration.xlsm. See Tool_adjustment_instructions.pdf for more information.

functions.js   a javascript file with functions called when building the arc diagram.

definitions.js   a javascript file for building the definitions page showing issue and objective definitions.

user-input.js   a javascript file for managing user selections on the arc diagram page.

*The css file that **should not be edited** is:*

style.css   a css file that is a style sheet for the arc diagram.

*The pdf file that **should not be edited** is:*

tool_adjustment_instructions.pdf   a pdf file with instructions for users on how to adjust the tool's relationships to local or regional conditions.

*The Excel files that **can be edited** are below. These files contain an 'overview' sheet that should be read prior to accessing or changing any of the other sheets.*

nchrp_20_126_2_tool_configuration.xlsm   an xlsm file that contains macros. When opening the file, click 'Enable macros' to enable the file's functionality. Two sheets within the file can be accessed and changed. The relationships sheet, which contains the data that populates the

visualization tool relationships, and the definitions sheet, which contains the data on the elements in the analytic framework and are displayed in the visualization tool. Further information on user-inputs into these sheets is contained in the 'overview' sheet of this file. The code sheet in this file contains the javascript code that creates the arc diagram – ***this sheet should not be accessed or changed***.

NCHRP_20-126(02) _Objectives_Trends_&_Issues_Spreadsheet.xlsx   an xlsx file that contains a relationships sheet that users may manipulate to evaluate multiple objectives, trends and issues. It is strongly suggested that a duplicate(s) be made of the relationships sheet and all user manipulations are conducted on the duplicate(s). Further information on user-inputs into this sheet is contained in the 'overview' sheet of this file.