

Structures Analyst Network Master

The Network Master table is the starting point for all network analyses and is central to Structures Analyst. As a result, it should contain the latest information for all structures. It also represents the current structures, traffic, classification, and condition for the network as a whole.

1.1 View Network Master - [Click Here for Network Master Exercise](#)

The Objective of this lesson is for the participant to understand how to access the the Network Master window and view details of any existing record.

At the end of this lesson, the user should be able to open the Network Master and review any record along with it's details.

In this example, we review a Network Master record by performing the following steps:

1. Open the Network Master window: **Structures Analyst > Inventory > Network Master**.
2. In the **Bridge Network Master** pane, click on the record of interest to review it's details.
3. Notice that for each record that you select in the Bridge Network Master pane, additional information linked to this record are displayed in the **Element Details** pane and the **Map** pane.
4. Repeat steps 2-3 to view more records (if applicable).

The screenshot displays the 'Structures Analyst > Inventory > Network Master' interface. It features a 'Bridge Network Master' table with columns for Structure Number, Direction, Lane, Offset, BMP, EMP, District, County, Functional Class, NHS?, and Deck Area. The first record (Structure Number 50004519) is selected. Below the table is an 'Element Details' pane showing information for the selected record, including Element ID, Analysis Element, Protective System, Total Quantity, Percent in CS1, and Percent in CS2. To the right is a map of the Chicago area, showing the location of the selected structure along the Chicago Skyway E. The map includes street names like S Avenue M, S Avenue L, S Avenue K, S Avenue J, S Avenue I, S Avenue H, S Avenue G, S Avenue F, S Avenue E, S Avenue D, S Avenue C, S Avenue B, and S Avenue A, as well as E 100th St, E 102nd St, E 103rd St, E 104th St, E 105th St, E 106th St, E 107th St, E 108th St, and E 109th St. The map also shows the Illinois-Indiana border and the Chicago Skyway E. The interface includes navigation controls like 'Save' and 'Reload' buttons, and a search bar.

Structure Number	Direction	Lane	Offset	BMP	EMP	District	County	Functional Class	NHS?	Deck Area
50004519	Both	All	0	7.24	7.24			INT	✓	1336.614216
50005041	Both	All	0	4.62	4.62			INT	✓	11387.795624
50005042	Both	All	0	4.64	4.64			INT	✓	11387.795624
50005043	Both	All	0	4.99	4.99			INT	✓	6048.556624
50005044	Both	All	0	5	5			INT	✓	6048.556624
50005045	Both	All	0	7.5	7.5			INT	✓	5297.900432
50005046	Both	All	0	7.51	7.51			INT	✓	5297.900432
50005069	Both	All	0	4.45	4.45			INT	✓	4244.094624

Element ID	Analysis Element	Protective System	Total Quantity	Percent in CS1	Percent in CS2	Percent in CS3
50004519	Culvert		1			
38-Reinforced Concrete Slab	Slab Element		5322	98.57	1.43	
215-Reinforced Conc Abutment	Abutment Element		83	86.75	13.25	
234-Reinforced Conc Pier Cap	Pier Cap Element		233	94.42	5.58	