

Produced by:

Sponsored by:

# 2021 Stormwater Design Tools Survey

The following infographic illustrates the findings of a survey of *Informed Infrastructure* readers focusing on the “innovative” use of stormwater design tools for a variety of projects.

The brief examines how firms and project managers are using innovative stormwater design tools in their work and how they are specified.

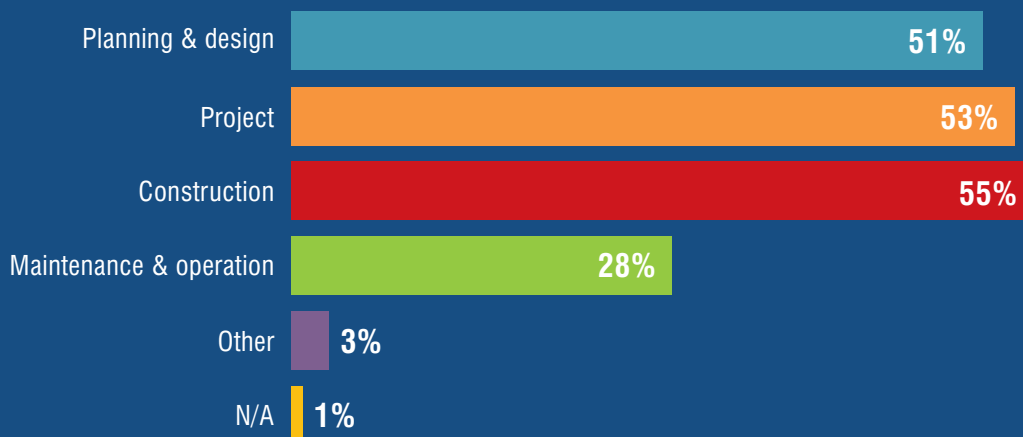
The study included 513 *Informed Infrastructure* reader respondents who are involved in or have worked on any stormwater projects within the last 12 months.

## Survey Methodology

The 2021 Stormwater Analysis Survey was completed by targeted *Informed Infrastructure* readers who are involved in or have worked on any stormwater projects within the last 12 months. This survey was completed and administered via Survey Monkey. When a statistically relevant sample size was achieved, the survey was closed and tabulated.

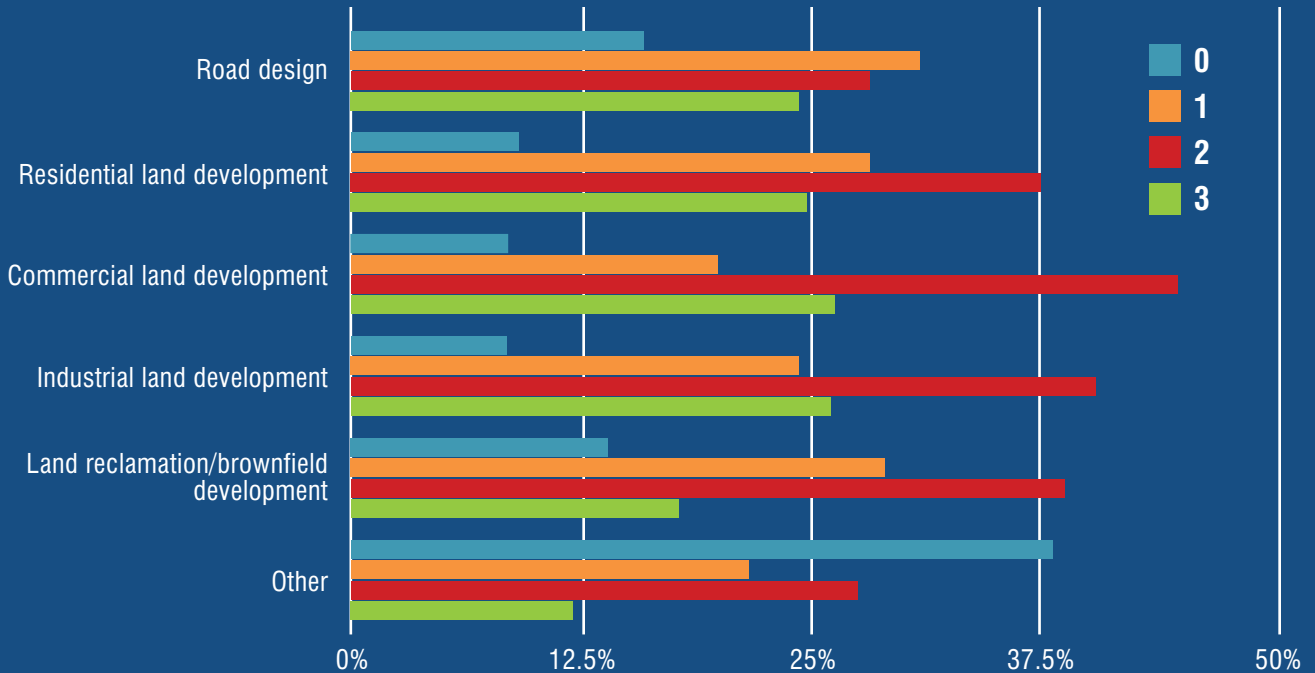
## Question 1: In your role, for which project stages are you involved with stormwater controls? (select all that apply)

Answered - 513; Skipped - 0



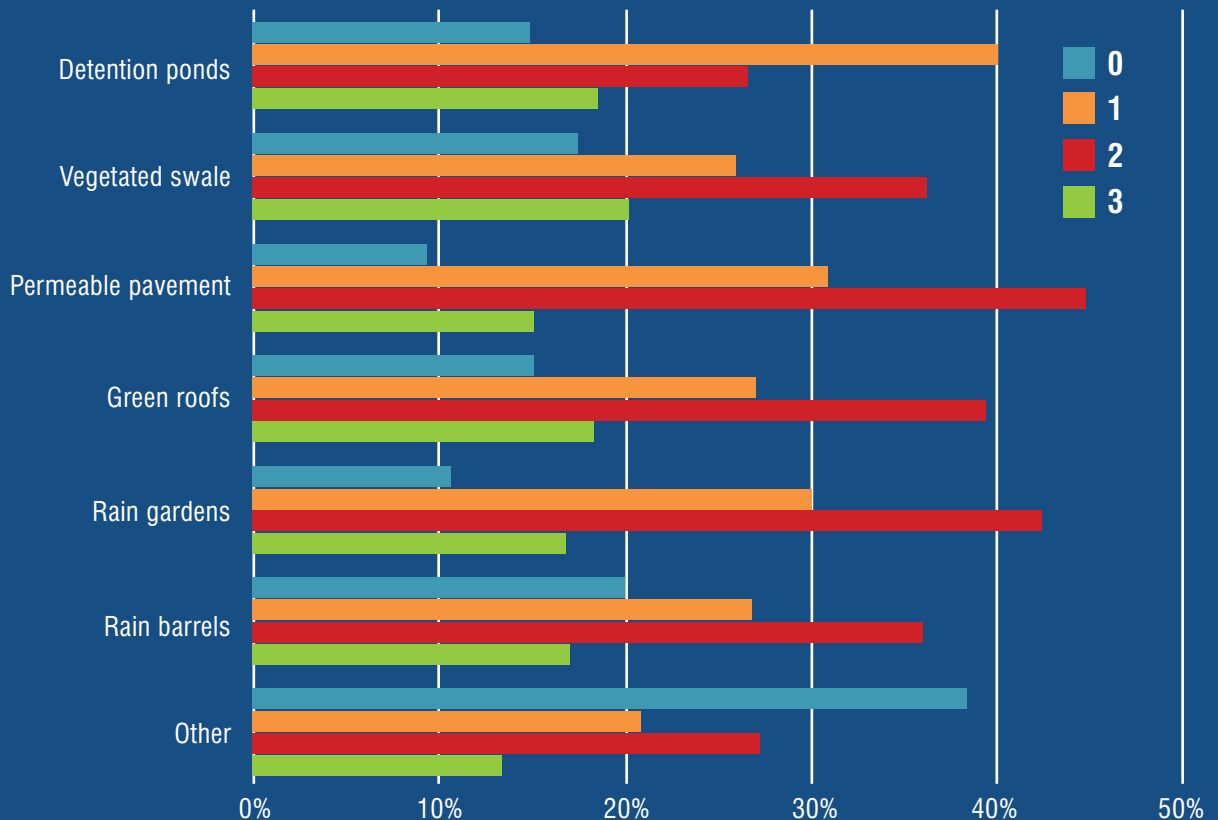
**Question 2:** Is your storm modeling more likely to be done for:  
(0 = highly unlikely, 3 = certainty)

Answered - 492; Skipped - 21



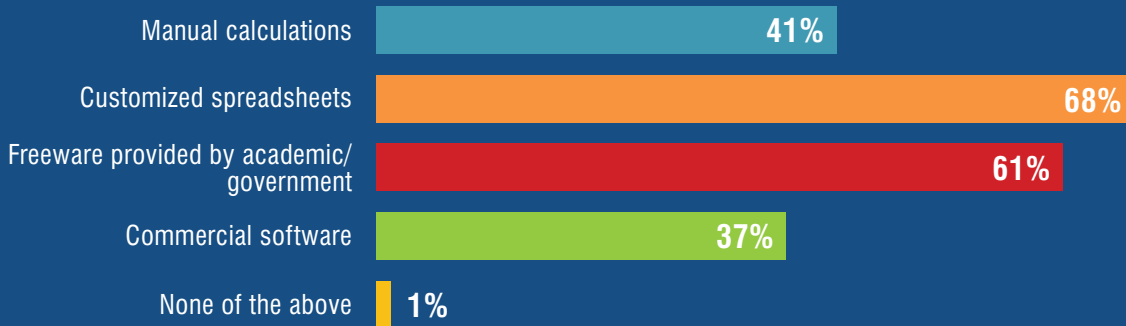
**Question 3:** How frequently do you work on projects where you see these Best Management Practices employed? (0 = never, 3 = always)

Answered - 492; Skipped - 21



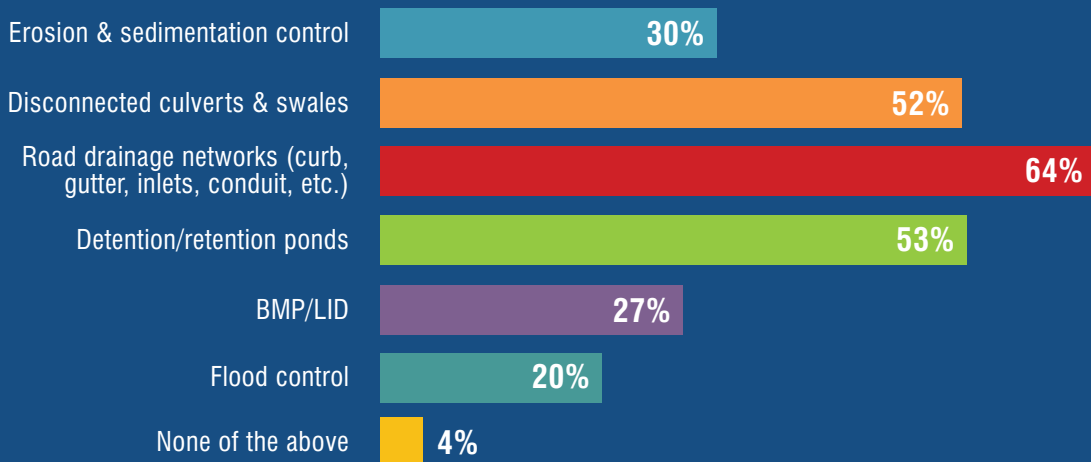
### Question 4: Which of the following do you use for drainage/stormwater design (select all that apply)?

Answered - 492; Skipped - 21



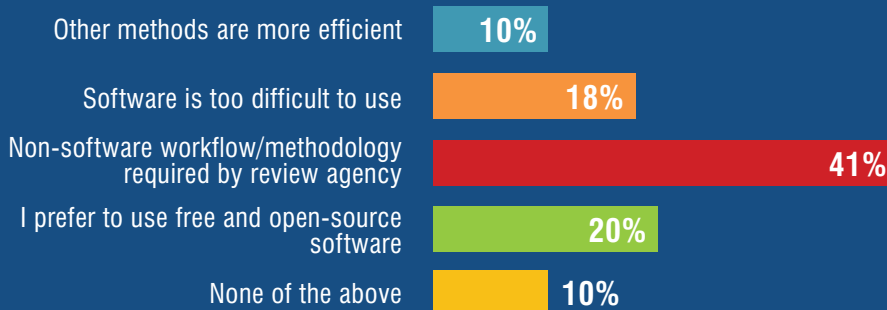
### Question 5: For which types of drainage projects do you use commercial software? (select all that apply)

Answered - 489; Skipped - 24



### Question 6: If you do not use commercial drainage analysis software, what is your primary reason?

Answered - 489; Skipped - 24



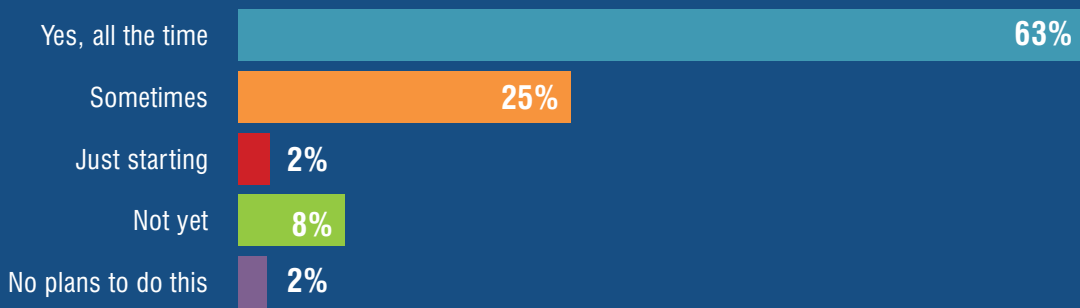
**Question 7:** Rank the following in order of importance for selecting a commercial software for drainage design: (N/A checked for any items not considered)

Answered - 476; Skipped - 37

	1	2	3	4	5	6	7	N/A
Review agency acceptance/recommendation	17.23%	17.02%	14.08%	14.29%	12.82%	10.92%	11.34%	2.31%
Contractor requirements	13.87%	11.76%	9.45%	13.24%	17.86%	13.03%	12.82%	7.98%
Calculation methodology	15.55%	17.02%	17.23%	15.13%	10.08%	11.97%	10.92%	2.10%
Ease of use and technical support	13.45%	15.13%	18.91%	13.66%	14.29%	8.82%	14.29%	1.47%
Integration within a CAD design platform	13.03%	14.08%	13.87%	15.34%	12.39%	15.76%	12.18%	3.36%
BIM capabilities	15.13%	11.55%	10.71%	10.92%	13.24%	15.76%	15.97%	6.72%
Compatibility with GIS and other publicly available information	11.34%	12.18%	14.29%	14.92%	15.34%	16.39%	11.55%	3.99%

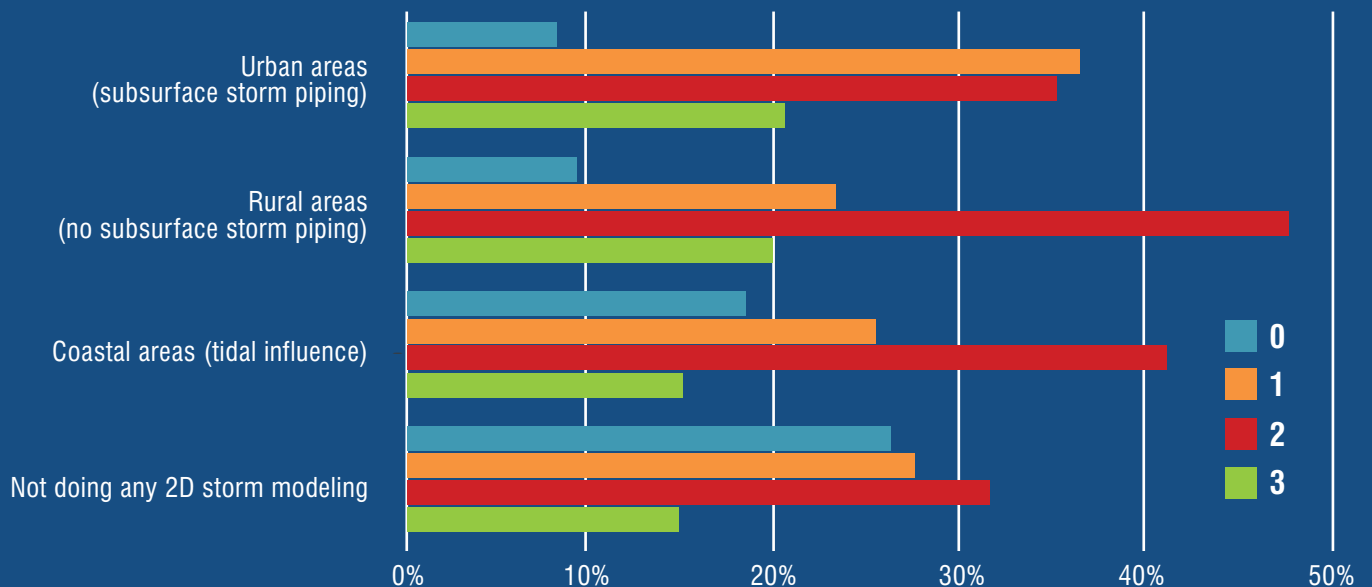
**Question 8:** Are you using 2D modeling in your stormwater analysis?

Answered - 473; Skipped - 40



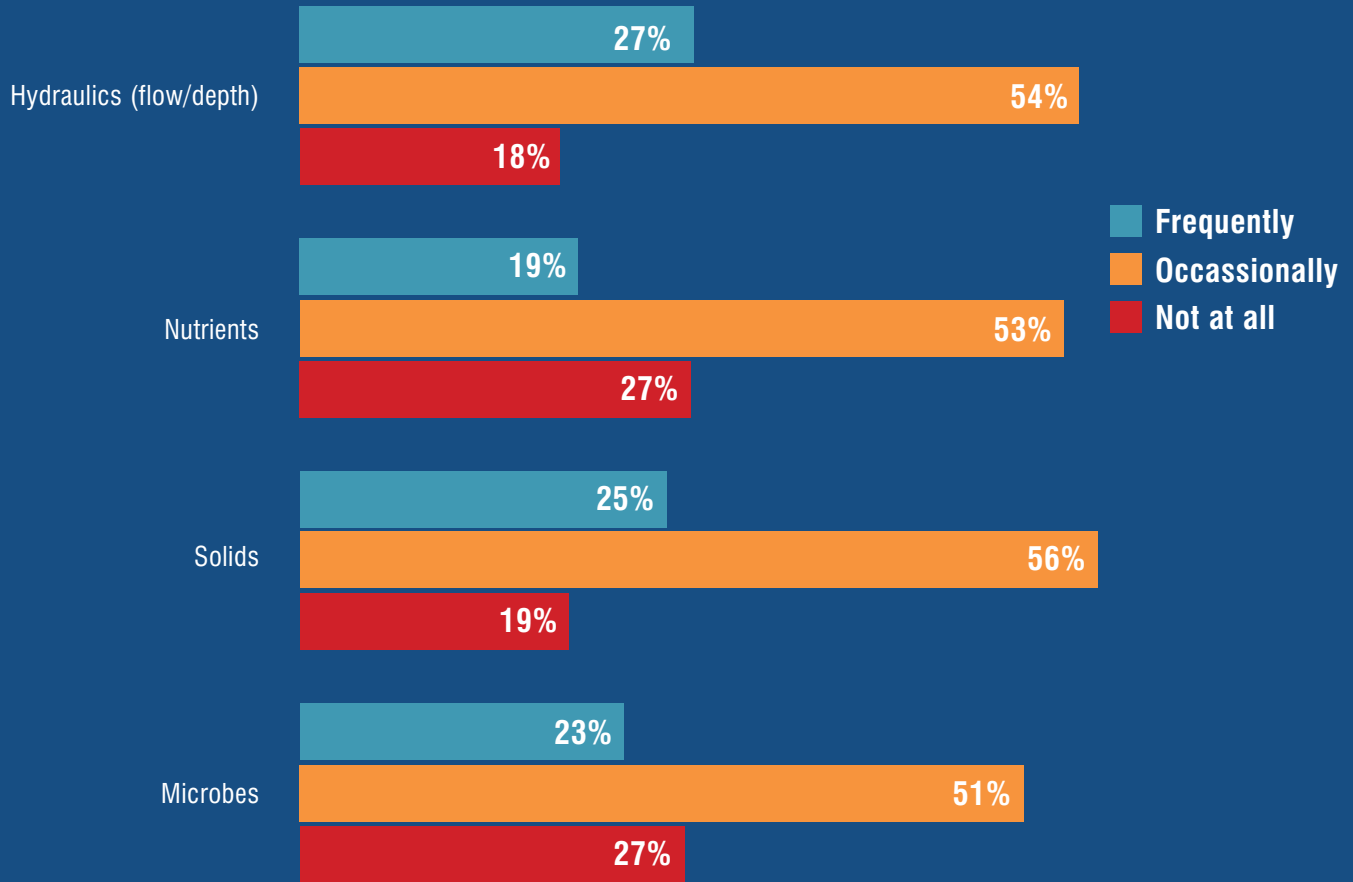
**Question 9:** How likely are you to perform 2D overland flow modeling for each of the project area categories in the next year? (0 = highly unlikely, 3 = certainty)

Answered - 473; Skipped - 40



### Question 10: Does your current or near-future work involve modeling of any/all of these?

Answered - 467; Skipped - 46



### Question 11: Do you have any plans over the next year to perform real-time storm modeling? (0 = highly unlikely, 3 = certainty)

Answered - 467; Skipped - 46

