

Scoping Study for the Development of a Platform for State DOT and AASHTO Committee Surveys

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Survey Scoping Study

- **Project Overview**
 - Purpose, timeline & tasks
- **Findings from Survey Review**
- **Preliminary Draft Functions**



Project Context

- Multiple AASHTO committees conduct surveys
- Results shared in multiple ways
- Range of tools in use, challenge to access or integrate data
- Agencies experiencing survey overload
- Opportunity for improved efficiency and consistency
- **Interest in a centralized platform to address these challenges**



Project Objectives

- **Identify platforms to manage State DOT & AASHTO committee surveys and survey data**
 - Supporting functions include distribution, tracking, collection, storage, search, discovery, and retrieval of surveys/survey data
- **Assess platforms that could be developed, adopted, or adapted to meet these requirements**
 - Consider stakeholder engagement, implementation options, service/support strategies, development/maintenance cost, and core operational logistics



Project Schedule

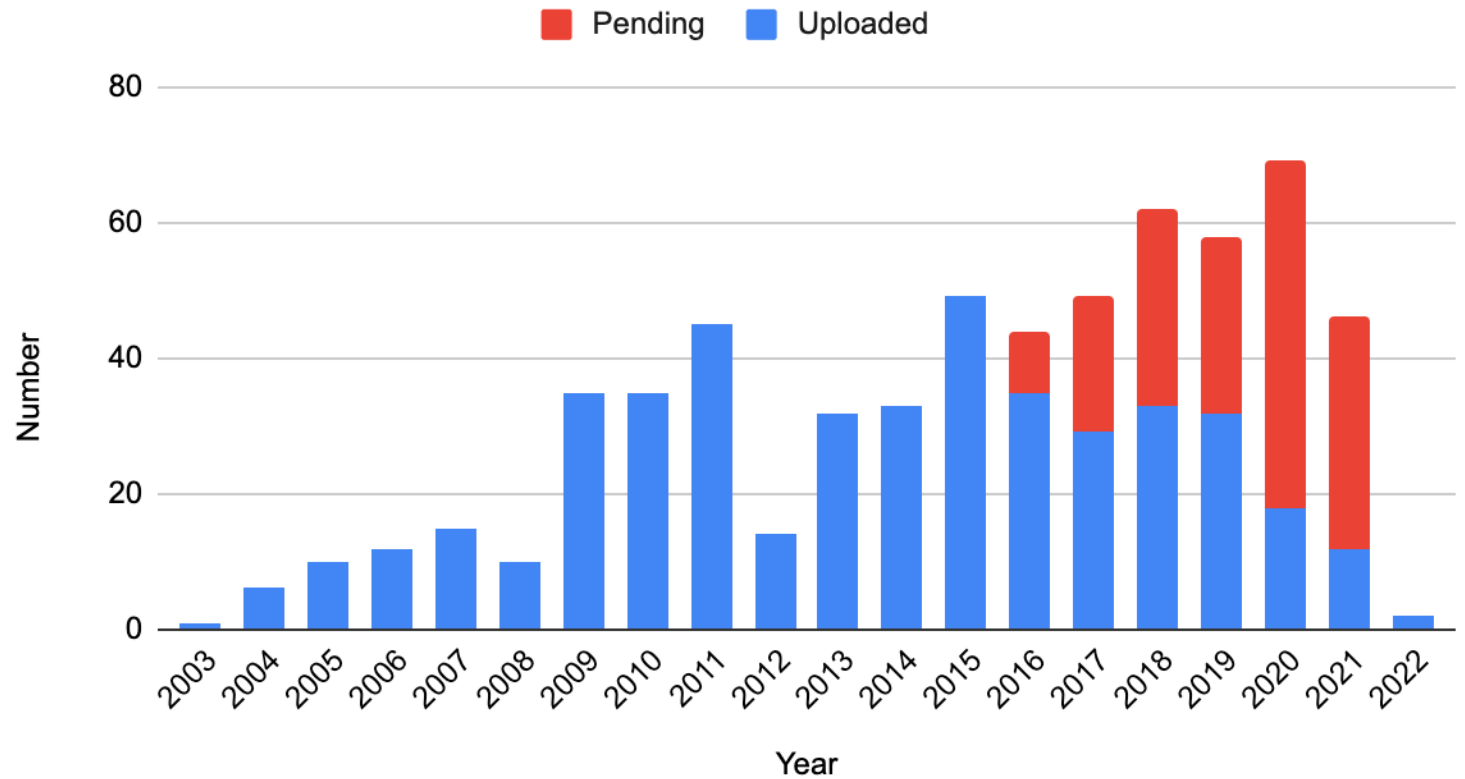
Task	2022												2023					
	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9
Task 1. Kick-Off Call	✓																	
Task 2. Assess Current State and Available Platforms	•	•	•	•	✓													
Task 3. Platform Assessments				•	•	•	✓											
Task 4. Stakeholder Roundtable								•	✓	•								
Task 5. Action Plans											•	•	•	•	✓	•		
Task 6. Draft and Final Report																✓	•	•



Survey Review

- 458 surveys published to RAC site included in review
- Pending surveys: recorded on site not yet uploaded
- General growth in no. of surveys each year

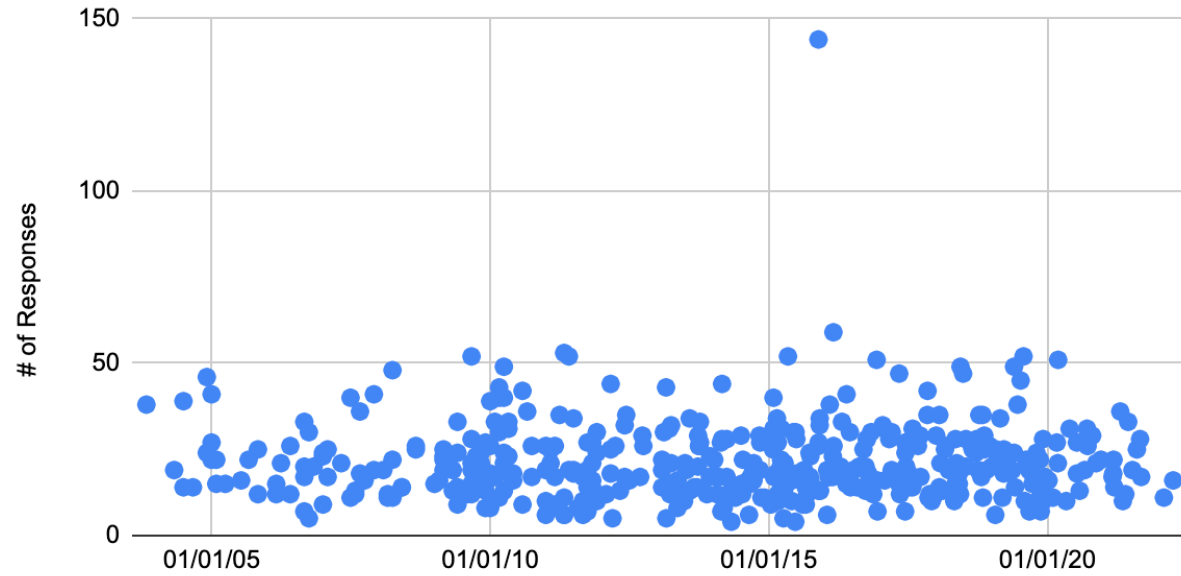
Number of Surveys Submitted per Year 2003-2022



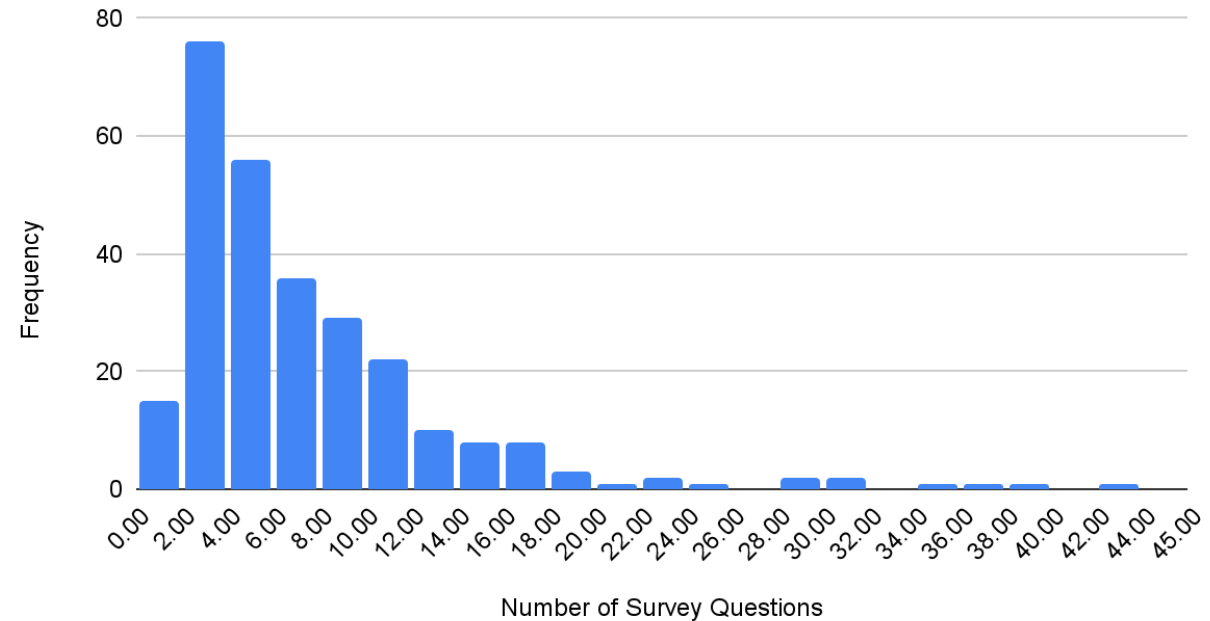
Survey Review

- Consistently 15-30 responses per survey
- Typically short surveys (around 2-6 questions)
- Longer surveys indicate larger research efforts

Number of Responses vs. Date



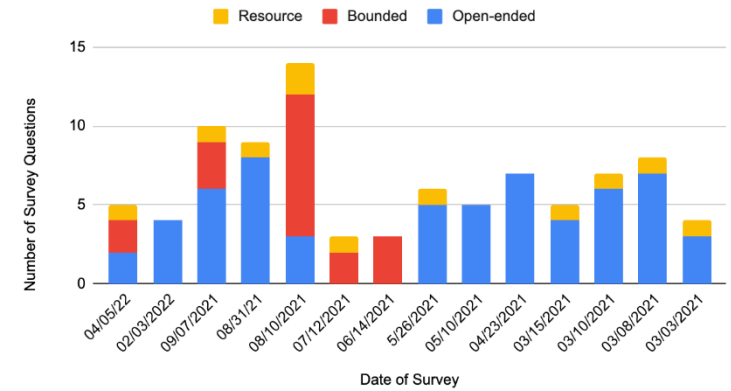
Histogram of Number of Questions per Survey



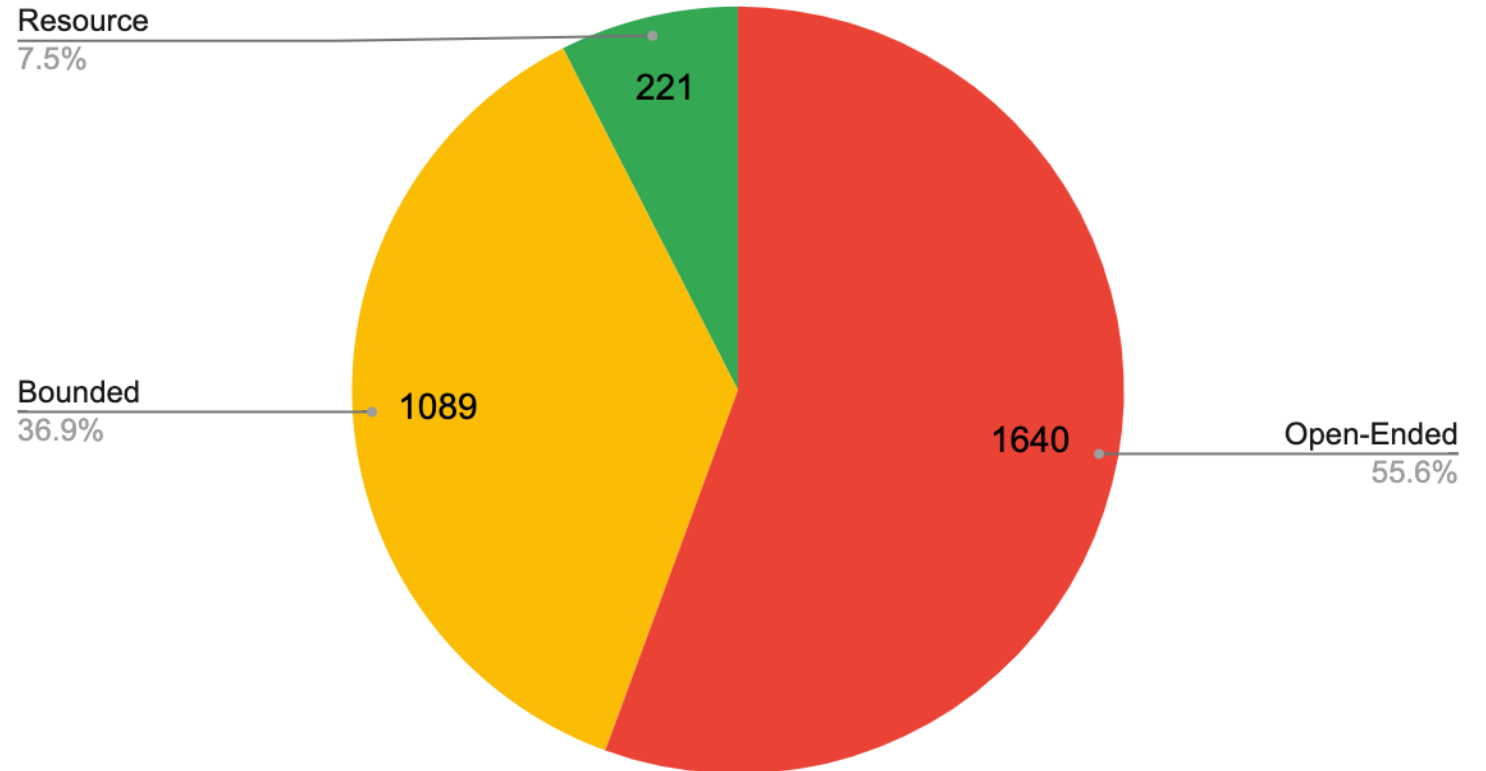
Survey Review

- Open-ended: free-form or written response
- Bounded: limited subset of possible answers
- Resource: request copies of resources (policy, etc.)

Question Types of each RAC Survey from 2021-2022



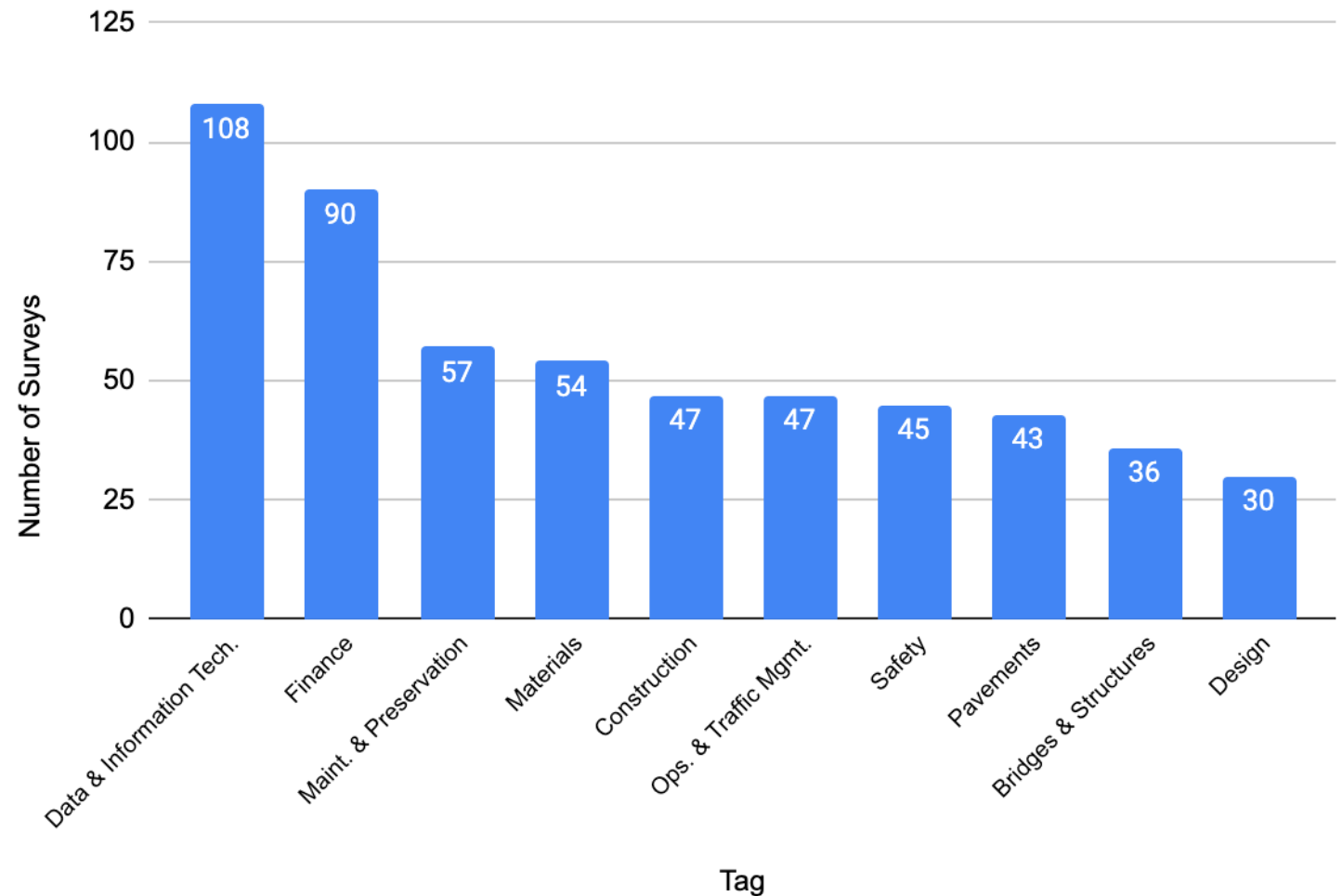
Types of Questions Asked in RAC Surveys



Survey Review

- Data & Inf. Tech.
- Finance
- Maint. & Preservation
- Materials
- Construction
- Ops & Traffic Mgmt.
- Safety
- Pavements
- Bridges & Structures
- Design

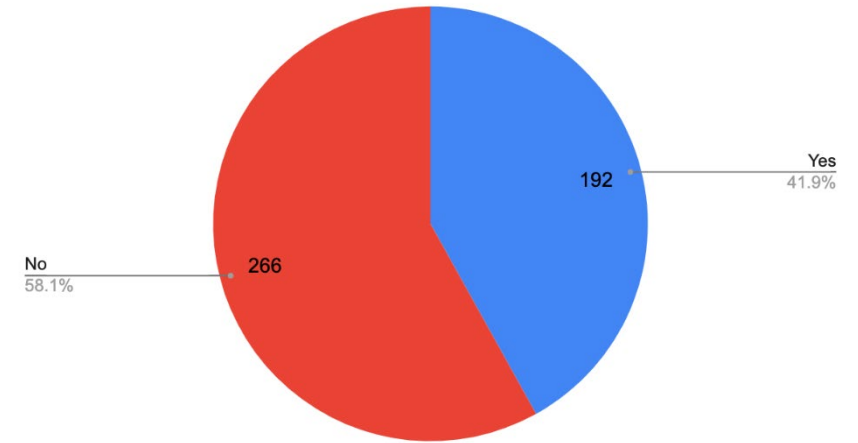
Top Ten Categories in the RAC Survey Platform



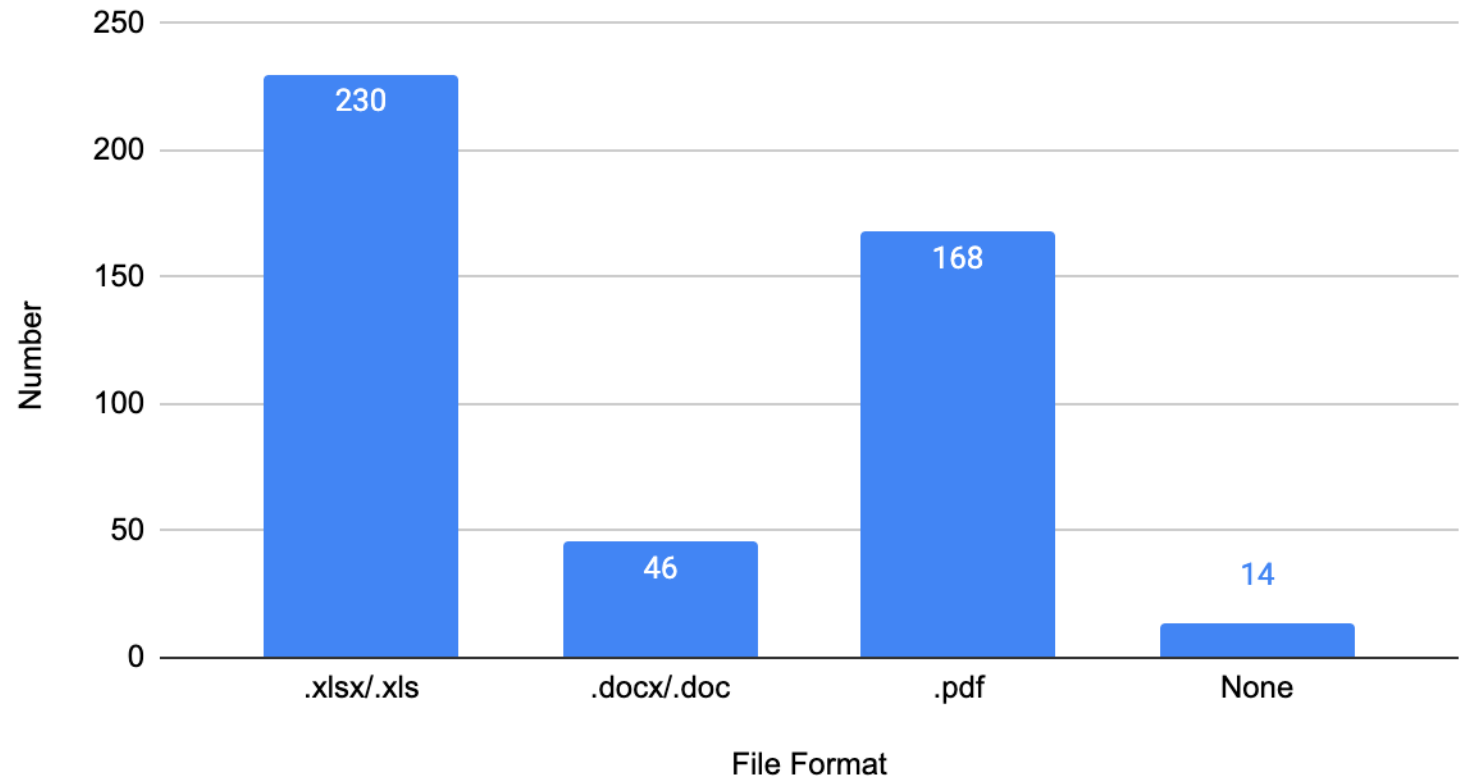
Survey Review

- Most surveys did not include result write-ups
- Those that did provided a mix of spreadsheets & PDFs

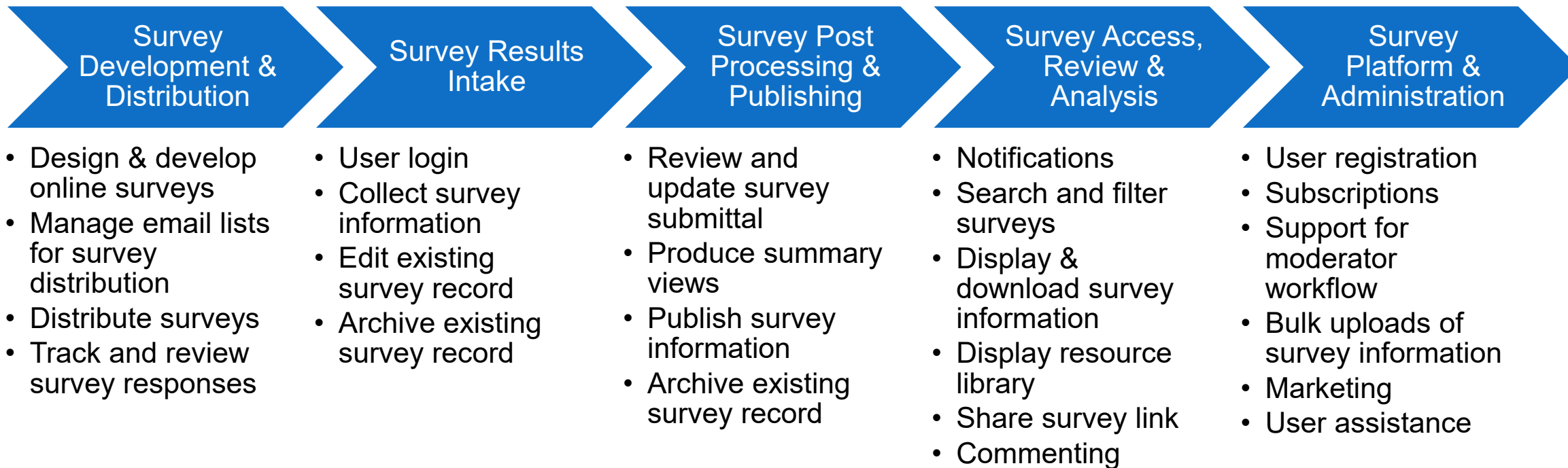
Did Surveys Include Analyzed Results?



Primary File Format of Provided Results



Preliminary List of Potential Functions



Other/General

- Design platform so that it is extensible beyond the current scope
- Design platform so that it may fit within a broader AASHTO resource or knowledge management portal
- Consider integrating web platforms supporting communities of practice



Discussion

- **Receptivity to an expanded survey platform for AASHTO Committee & DOT use**
- **Current pain points around conducting and sharing results of surveys**
- **What types of features are most important?**
- **What are barriers to use of a central platform?**
- **What else should be considered in the scoping study?**



Questions?

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