

Marion County Engineering Standards Update Final Summary of Stakeholder Survey

Date: December 11, 2023 Project #: 28319
To: Max Hepburn, Marion County
From: Julia Knudsen, Hermanus Steyn, and Megan Mannion
Subject: Marion County Engineering Standards Update – Final Summary of Stakeholder Survey

SUMMARY OF STAKEHOLDER SURVEY

As part of the Marion County Engineering Standards Update, Kittelson & Associates, Inc. (Kittelson) coordinated with Marion County to distribute a survey to internal and external stakeholders to better understand stakeholders' experiences using the Marion County Engineering Standards. The information gathered in the survey will inform the Engineering Standards Update.

This summary provides an overview of the survey participation, results from each survey question, and how this information may inform the Marion County Engineering Standards Update. Detailed survey data is provided in Appendix A.

Survey Overview

The survey was developed using SurveyMonkey software and distributed to stakeholders via email in November 2023. Survey respondents were given two weeks to complete the survey. The intent of the survey was to assess:

- Experience with current Engineering Standards.
- Key priority topics for additional Engineering Standards and guidance.
- Project types and elements that require additional guidance.
- Current challenges with project development and implementation.
- Ideas for enhancing project collaboration and decision-making.

The survey included 30 questions, some of which were variable depending on responses to previous questions.

Survey Respondents

Marion County developed a list of over 1,000 external stakeholders that was used to distribute the survey. This includes the following groups:

- Citizens (representations from various contexts)
- Business Associations

- School Districts
- Home Builders of Marion & Polk Counties
- Oregon Freight Advisory Committee
- Marion County Fire Districts and/or Marion County Fire Marshal
- Marion County Sheriff's Office
- Neighborhood Associations
- Marion County Farm Bureau
- Local Agencies (Public Works Staff)
- Oregon Department of Transportation
- Service Districts within Marion County
- Consultants involved with public and private projects within Marion County

In addition, the survey was distributed internally to the following Marion County Public Works staff:

- All Engineering staff.
- Supervisors and Division Managers for Operations, Environmental Services, Building & Planning, and Administration.

A summary of the survey results is shown in the following sections. Key questions were included in the main summary and detailed survey data is shown in Appendix A.

Key Themes

Key themes identified in the survey include:

- Experience Using the Standards and Topics
 - Most respondents (who completed the question) use the existing Marion County Engineering Standards at least a few times a year. For those that responded, the standards are most often used for local municipality capital improvement projects and private development projects.
 - The highest priority topic areas were identified as: General Policies and Standards, Plan Development and Submittals, Roadway Geometric Design, Traffic Engineering, and Utilities.
 - Respondents identified General Policies and Standards, Plan Development and Submittals, Roadway Geometric Design, Roadway Multimodal Design, and Traffic Engineering as the most challenging topic areas for current Marion County projects.
 - Most respondents indicated that the greatest challenge with the existing Engineering Standards is information being outdated or not presented clearly.
- Roadway User Priorities
 - Respondents noted interest in prioritizing all the various roadway types (arterials, collectors, and local streets) and context areas (rural areas, rural towns, suburban areas, and urban areas).
 - For rural and rural towns, cars and freight were noted as a priority user. Cars were also noted as a priority user in suburban areas. Pedestrians, bicycles, and transit were noted as priorities in urban areas.
 - Safety was noted as the top roadway attribute that should be prioritized for non-motorized users.
- Standard Details and Design Exceptions
 - Most respondents use the Marion County Standard Details at least a few times a year.
 - Stormwater, Utility Location, and Pavement standard details were identified as the most helpful existing standard details.
 - Most respondents were not familiar with the Marion County design exception process.

- For those that do use the design exception process, respondents feel the Marion County design exception process allows for sufficient flexibility in most cases.
- Processes and Approaches
 - Permitting was identified as the most challenging engineering process, with utility coordination being the second most challenging.
 - Most respondents noted that Marion County coordinates and collaborates with them effectively, with communication identified as the most popular reason for the success.

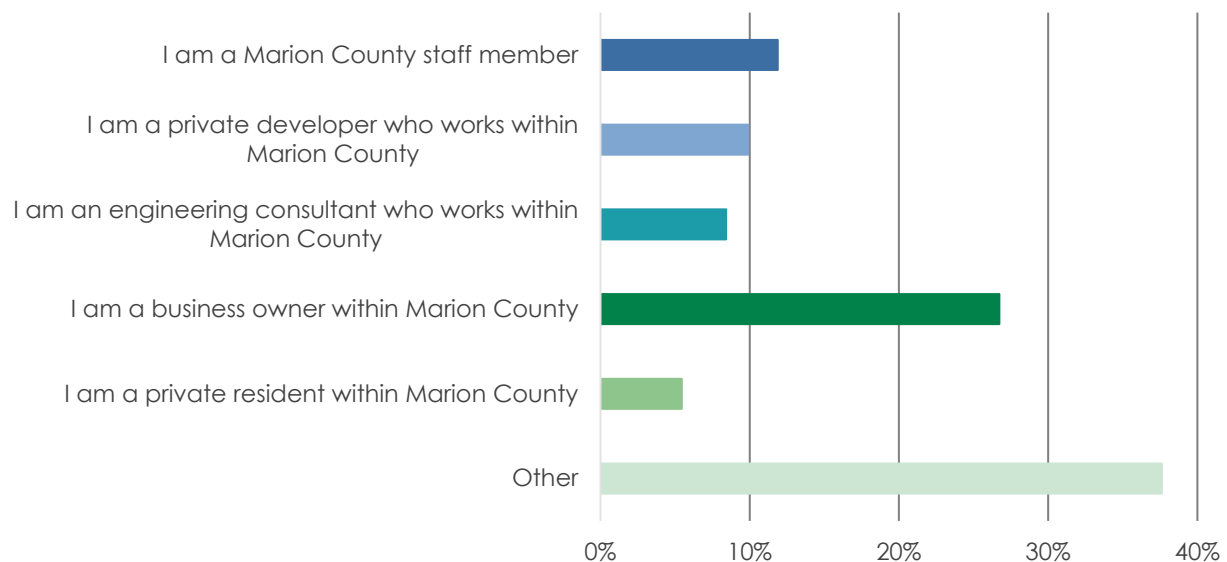
Survey Results

Survey Participation

The Marion County survey was completed by 202 stakeholders. Question 1 gathered respondents name and organization/job title, if applicable. Question 2 solicited feedback on how different users interact with the Marion County Engineering Standards. Depending on the response to Question 2, respondents were directed to Questions 3 through 8, to provide additional information on their connection to Marion County. Most respondents noted the "other" category (over 35%) or identified as a business owner (over 25%) within Marion County.

QUESTION 2

How have you interacted with the Marion County Engineering Standards?



QUESTION 3 THROUGH QUESTION 8

Questions 3 through 8 asked for additional information from the respondents depending on the group they identify with in Question 2. Responses to these questions identified the following trends in survey respondents:

- A variety of **Marion County staff** completed the survey, including staff from Traffic Engineering and Planning, Maintenance, and Capital Projects.

- Most respondents who identified as **private developers** primarily work in residential and commercial development.
- Of the respondents who identify as **engineering consultants** working within Marion County, most identify as Civil or Transportation Engineers.
- Most respondents who identified as a **business owner** work in the construction industry.
- Those who identified as **private residents** within Marion County work and/or live in a rural area of Marion County.

A complete list of respondents, including those who selected "other" is provided in Appendix A.

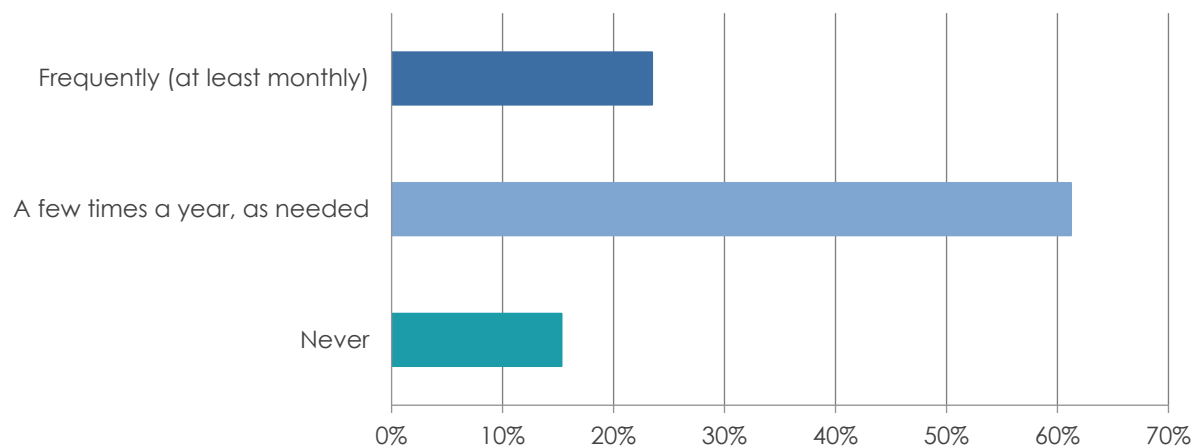
Experiences Using the Standards

Questions 9 and 10 focused on the respondents' experience with the Engineering Standards including their primary reason for using the Standards. Over 100 respondents did not answer Question 9, which may indicate limited experience using the Engineering Standards. The results below summarize the responses of those who did respond to the question. Respondents who answered "frequently" or "a few times a year, as needed" to Question 9 were prompted with Question 10 to better understand what types of projects they are using the Engineering Standards for. Respondents were able to select multiple responses in Question 10.

Of those respondents who answered Question 9, most use the existing Marion County Engineering Standards at least a few times a year. The Standards are most often used for local municipality capital improvement projects and private development projects.

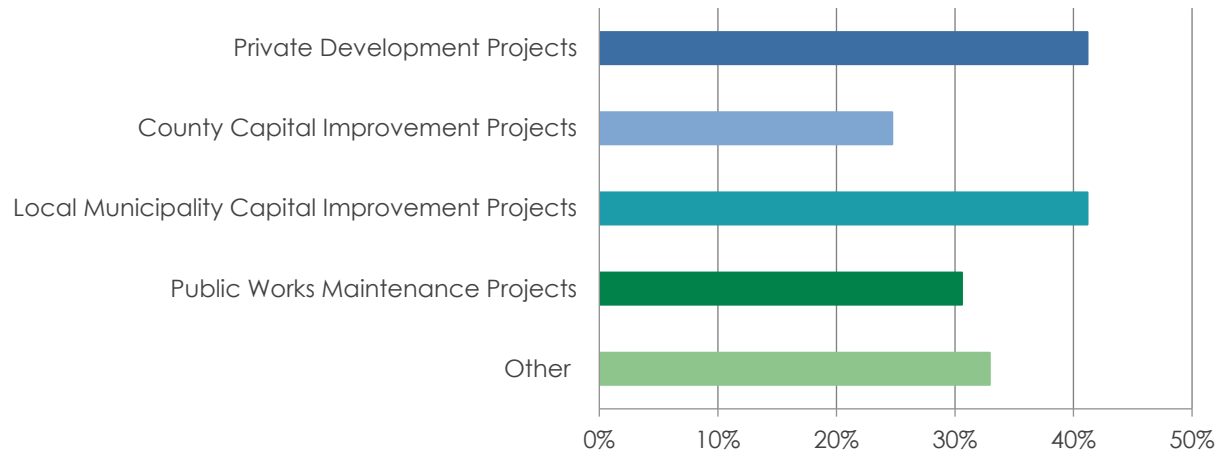
QUESTION 9

Have you ever used any of the existing Marion County Engineering Standards?



QUESTION 10

If you have, what types of projects are you using the Engineering Standards for?



Those who selected "Other" were asked to specify. A variety of responses were collected, the most popular response being for Right-of-Way or Utility projects.

Standard Topics/Chapters

Question 11 through Question 14 focused on identifying standard topics and chapters for the upcoming Standards update. Question 11 and Question 13 asked respondents to rank a list of potential topic areas from highest to lowest, by priority (Question 11) and challenge (Question 13). Question 12 gave respondents the opportunity to suggest additional topic areas not provided in Question 11. Question 14 asked for feedback on the main challenges (format, style, level of detail, etc.) respondents' experience with the existing Engineering Standards. Key feedback on the potential standard topics include:

- The highest priority topic areas are General Policies and Standards, Plan Development and Submittals, Roadway Geometric Design, Traffic Engineering, and Utilities.
- Respondents find the most challenging topic areas to work with on projects within Marion County today to be General Policies and Standards, Plan Development and Submittals, Roadway Geometric Design, Roadway Multimodal Design, and Traffic Engineering.
- Most respondents indicate the greatest challenge with the existing Engineering Standards is information being outdated or not presented clearly.

QUESTION 11

Prioritize the following topic areas in the Engineering Standards. Rank with 1 being the highest priority.

Eleven topic areas were provided and ranked. The topic areas listed from the resulting "highest priority" to "lowest priority" are provided below. The top 5 highest priority topic areas are shown in **bold**.

- 1. General Policies and Standards**
- 2. Plan Development and Submittals**
- 3. Roadway Geometric Design**
- 4. Traffic Engineering**

5. **Utilities**
6. Roadway Multimodal Design
7. Stormwater
8. Pavement Design
9. Structures
10. Right-of-Way Development
11. Roadside Design

QUESTION 12

Are there any other topic areas not listed above that should be considered in the Engineering Standards Update?

A summary of responses is shown below and will be considered during the development of the Engineering Standards update. Many of the topics listed are included in the Standards as subsections of the primary chapter topics.

- Grading and earthwork
- Special District coordination
- Utilities
- Traffic design
- Unpaved gravel roads, concrete sidewalks, approaches, and ADA ramps
- Refuse and recycling enclosure standards
- Standard details
- GPS equipment use
- Water quality treatment
- Public relations

QUESTION 13

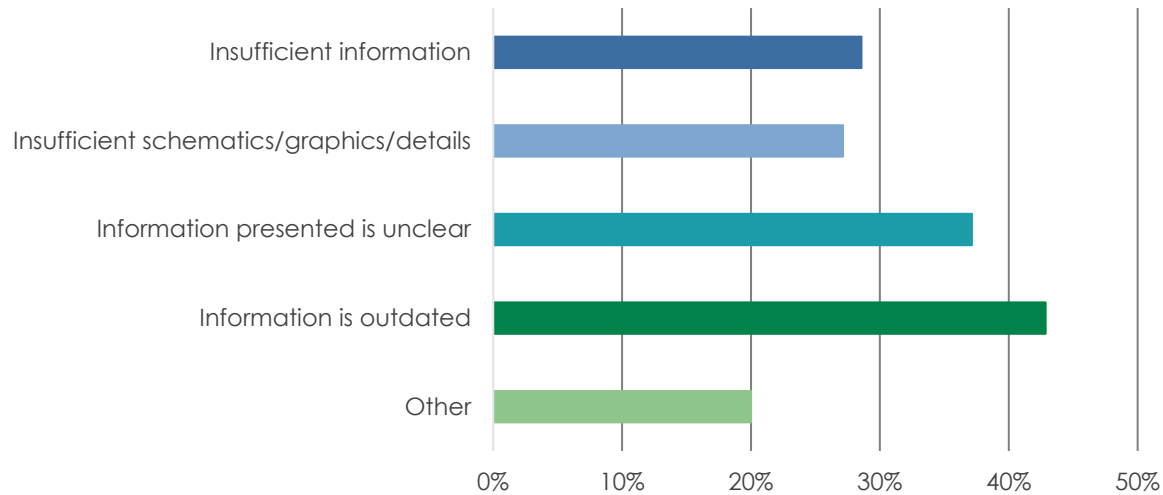
What topic areas do you find the most challenging when working on projects within Marion County? Please rank all topic areas (rank 1 being the most challenging).

Eleven topic areas were provided and ranked. The topic areas, listed from the resulting “most challenging” to “least challenging” are provided below. The top 5 most challenging topic areas are shown in **bold**.

1. **General Policies and Standards**
2. **Plan Development and Submittals**
3. **Roadway Geometric Design**
4. **Roadway Multimodal Design**
5. **Traffic Engineering**
6. Stormwater
7. Utilities
8. Pavement Design
9. Right-of-Way Development
10. Structures
11. Roadside Design

QUESTION 14

What are the main challenges you have with the current Engineering Standards?



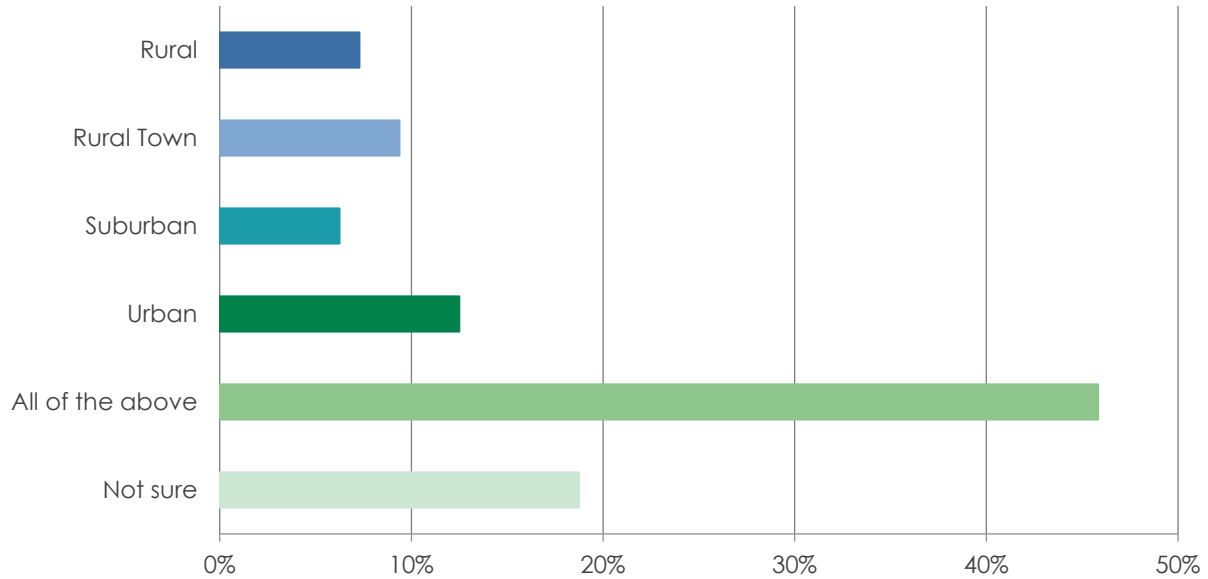
Roadway User Priorities

Questions 15 through 18 focus on understanding roadway user priorities among context area type (urban, suburban, rural town, and rural), roadway type (arterial, collector, and local), and mode (pedestrians, bicycles, freight, cars, and transit). Key themes from this section include:

- Respondents noted interest in prioritizing all various roadway types and context areas.
- For rural and rural towns, cars and freight were noted as a priority user. Cars were also noted as a priority user in suburban areas. Pedestrians, bicycles, and transit were noted as a priority in urban areas.
- Safety was noted as the top roadway attribute that should be prioritized for non-motorized users.

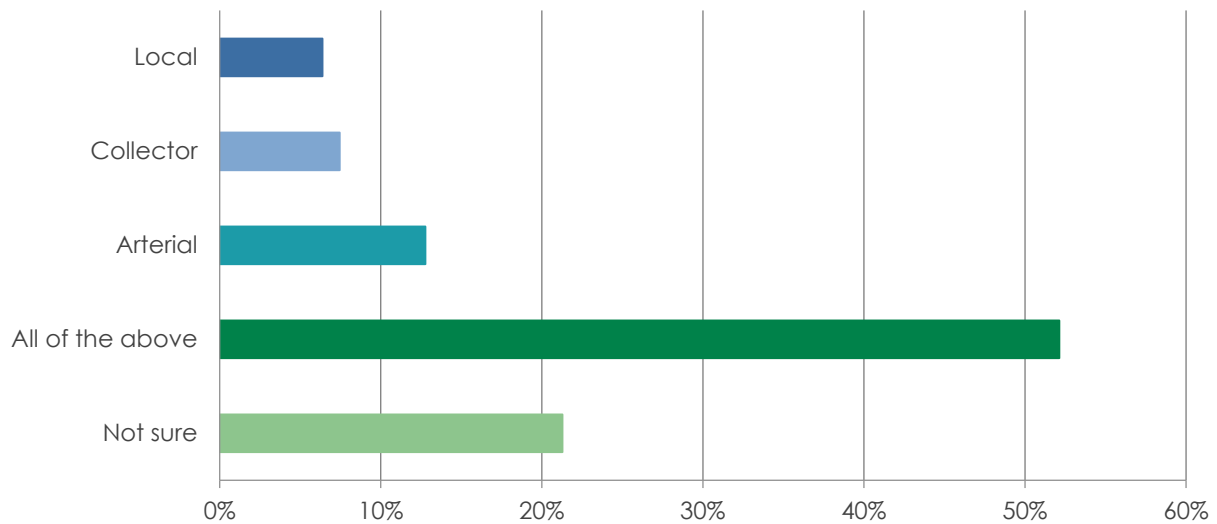
QUESTION 15

What area type do you think should be prioritized for the updated Engineering Standards?

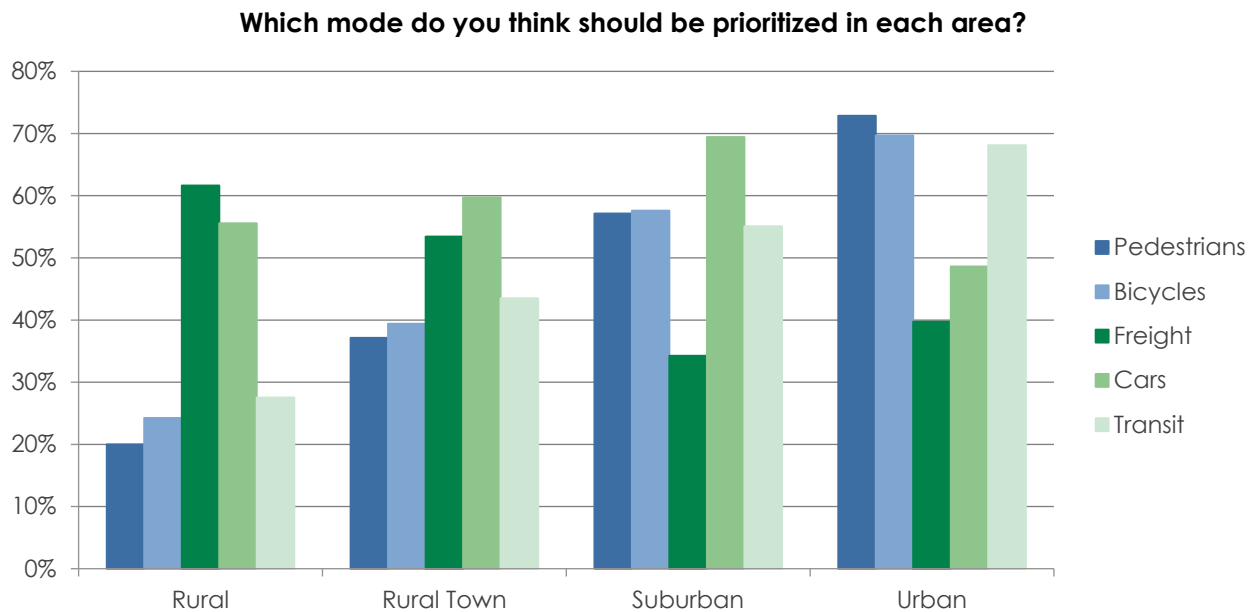


QUESTION 16

What roadway types should be prioritized for the updated Engineering Standards?



QUESTION 17



QUESTION 18

How do you think Marion County should prioritize the following roadway attributes for non-motorized users (pedestrian, bicycles)?

Roadway attributes were ranked in the following order:

1. Safety
2. Ability to access all destinations
3. Comfort
4. Speed

Standard Details and Design Exceptions

Questions 19 through 25 solicit feedback on users' experiences with the Marion County Standard Details and the existing Design Exception Process. Over 100 respondents skipped Question 19 and Question 22, which may indicate limited experience using the Standard Details and Design Exception Process. The results shown below reflect the answers from those who responded to the questions.

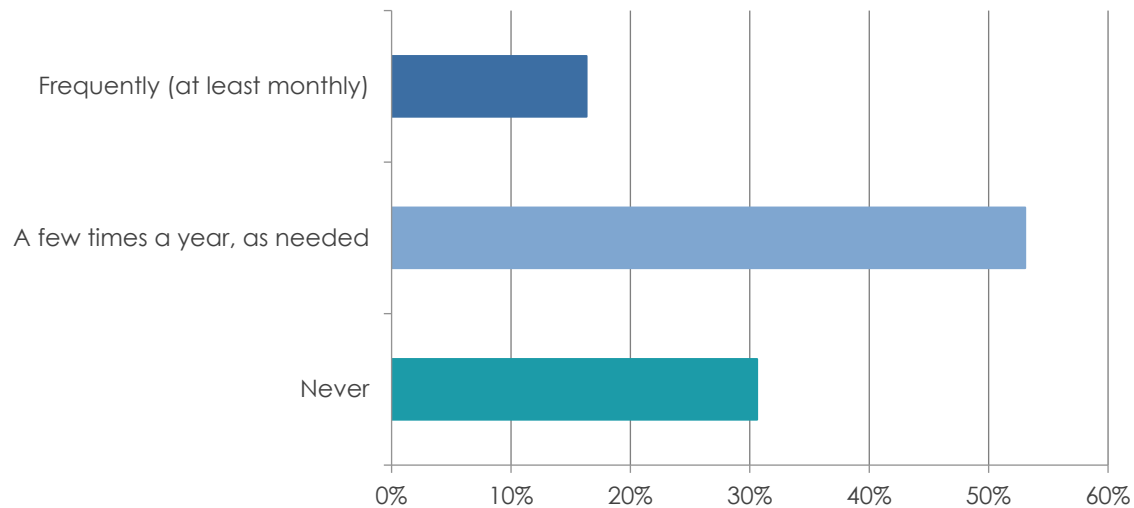
Respondents who answered "frequently" or "a few times a year, as needed" to Question 19 were prompted with Questions 20 and 21 to solicit feedback on what existing details are most helpful and what details should be added. Respondents who answered "no" or "not sure" to Question 22 were prompted with Question 23 to better understand what is unclear with the design exception process. Finally, respondents who answered, "most of the time", "sometimes", or "never" to Question 24 were prompted with Question 25 to provide examples of situations where they wished for additional flexibility for design exceptions. Key feedback on the Standard Details and Design Exception Process include:

- Most respondents use the Marion County Standard Details at least a few times a year.

- Stormwater, Utility Location, and Pavement standard details were identified as the most helpful existing standard details.
- Most respondents are not familiar with the Marion County design exception process.
- In general, those that have experience with the process noted that the Marion County design exception process allows for sufficient flexibility in most cases.

QUESTION 19

Have you ever used the Marion County Standard Details?



QUESTION 20

What standard details do you find the most helpful (provide standard titles)?

Respondents noted the following standard details as especially helpful:

- Stormwater
- Utility Location
- Pavement

QUESTION 21

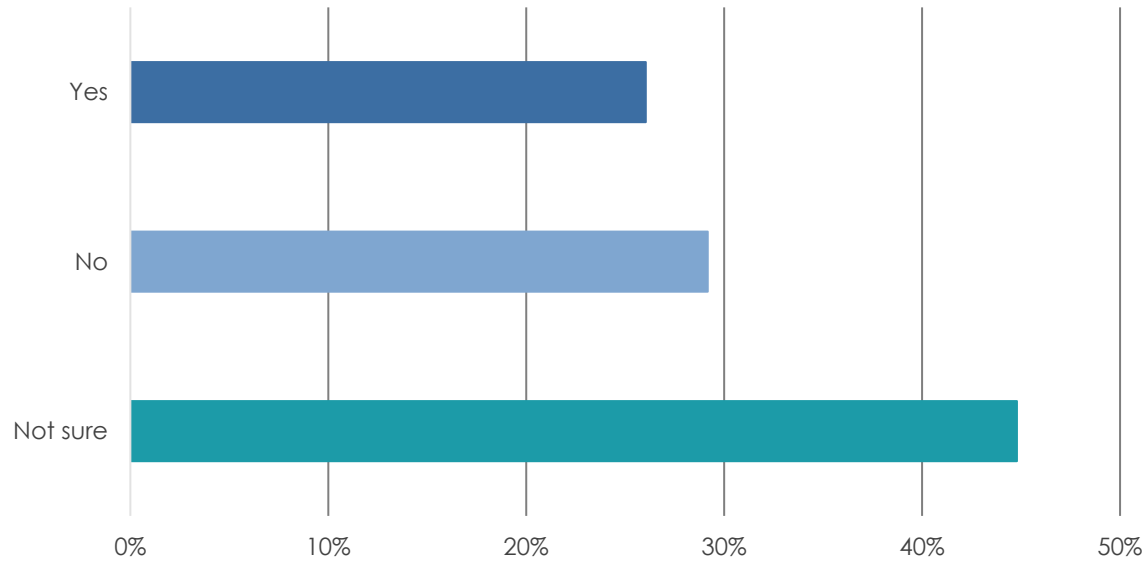
What additional standard details would you like to see added?

Respondents suggested the following additional standard details:

- Specific details for street names
- Signing and Pavement Marking Details
- Standard Structural Details

QUESTION 22

Do you understand Marion County's design exception process?



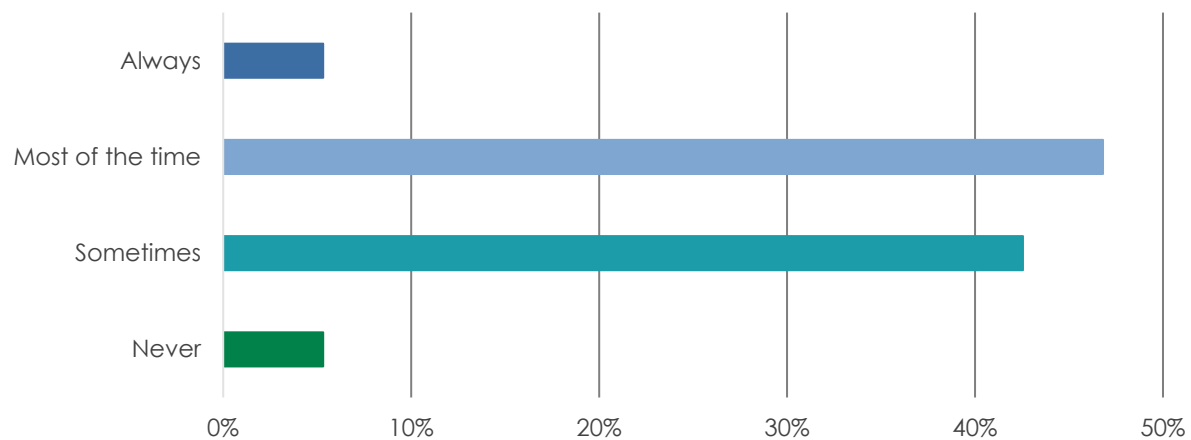
QUESTION 23

What parts of the design exception process are unclear to you?

Most respondents skipped this question. Of those who answered, most of them noted they were not familiar with the design exception process.

QUESTION 24

Do Marion County's design standards and design exception processes allow sufficient flexibility to plan for and design roadways that meet local goals and needs?



QUESTION 25

Please tell us about situations where you would like Marion County to provide additional flexibility for design exceptions.

Situations where respondents would like additional flexibility for design exceptions include:

- Utility coordination
- Fences
- ADA ramps
- Clear zones
- General flexibility for small projects with limited impacts
- Focus on performance-based standards

County Engineering Processes and Approaches

Question 26 through Question 29 solicit feedback on the Marion County Engineering processes and approaches, particularly user experiences with coordination and collaboration with Marion County. Question 26 asked respondents to identify which processes they find challenging. Question 27 asked whether Marion County coordinates and collaborates effectively on projects. Depending on the response to Question 27, respondents were prompted with Question 28 or 29 to gather additional feedback on what makes coordination and collaboration successful and what could be improved. Over 100 respondents skipped Question 27. The results shown below reflect the answers from those who responded to the question.

Permitting was identified as the most challenging engineering process, with utility coordination being the second most challenging. Most respondents noted that Marion County coordinates and collaborates with them effectively, with communication identified as the most popular reason for the success.

QUESTION 26

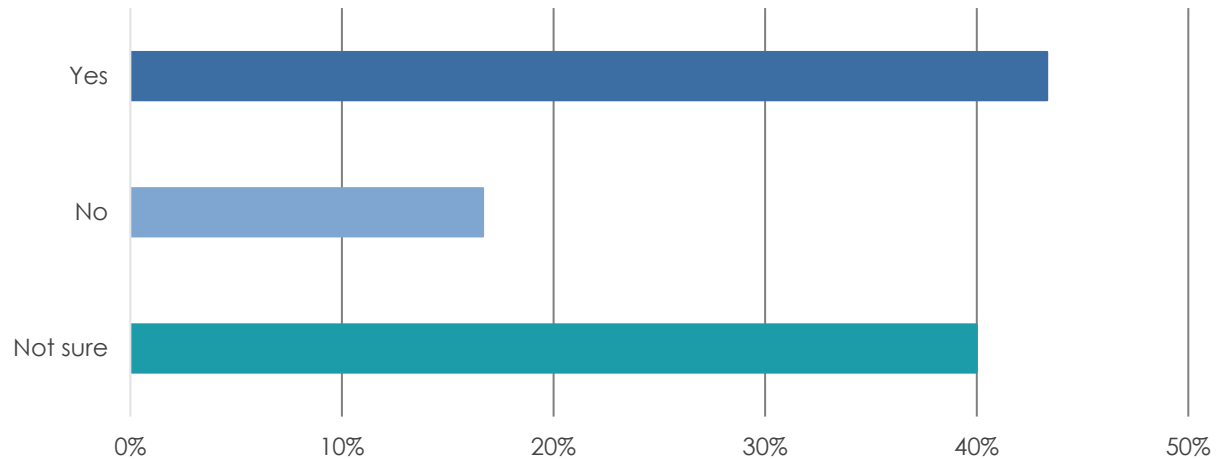
Do you have any challenges with any of the following Marion County engineering approaches and processes?

Respondents were asked to identify which Marion County engineering approaches and processes (if any) they have experiences challenges with. The most popular answers included:

1. Permitting (29)
2. Utility Coordination (16)
3. Stormwater Analysis and Design (11)
4. Right-of-Way Dedication (10)
5. Plan Submittal (9)

QUESTION 27

When Marion County is planning for or implementing a project in your area, does Marion County coordinate and collaborate with you effectively?



QUESTION 28

What makes coordination and collaboration successful?

The most popular answer involved communication (early, often, consistent, stakeholder outreach). Specific examples provided include:

- Working collaboratively to find solutions and design flexibility.
- Early communication with utility companies, neighbors, businesses, and other stakeholders.
- Clear and consistent information to those impacted.
- Early and often communication (meetings, emails, or telephone).

QUESTION 29

What could improve coordination and collaboration?

Recommendations from respondents who answered "no" or "not sure" to Question 27 also focused on communication and include:

- More communication in a timely manner.
- Notifying stakeholders (specifically utility owners) of the project early.
- More public outreach.

Additional Comments (Question 30)

Question 30 provided an open-ended opportunity for any additional feedback regarding the Engineering Standards update. Examples of the additional feedback received include:

- Requested that permitting and associated standards provided additional flexibility.
- Suggested additional flexibility and design exceptions related to pole locations and stormwater design.
- Requested additional information and guidance on calculating stormwater detention and retention.
- Encouraged coordination with the City of Salem, Keizer, and other local agencies in anticipation that rural fringe areas may be annexed to these cities down the road.
- Recommended using the standards of other local counties as examples during the development of the Engineering Standards update.
- Noted changes to ADA ramp specifications that may need further review.
- Requested adoption of standards for easy and inexpensive maintenance.
- Suggested additional details on lighting and permitting requirements.
- Requested pole barn building standards.

APPENDIX A

Marion County Engineering Standards Survey Results

Q1 What is your name and current department/organization and title/role? (optional)

Answered: 120 Skipped: 82

| # | RESPONSES | DATE |
|----|--|---------------------|
| 1 | Michelle Carlson, Consultant, Shasta Consulting Group | 11/14/2023 11:19 PM |
| 2 | Dan Bolduc/General Contractor | 11/14/2023 7:00 PM |
| 3 | Frank King, Director Operations, Potelco Inc | 11/14/2023 6:09 PM |
| 4 | Daniel Mumford, Bergeson-Boese & Associates, Inc., Vice President | 11/14/2023 4:14 PM |
| 5 | McKenzie Walker / JCM Utility Development Inc / Office Admin | 11/14/2023 1:11 PM |
| 6 | RichardNorton OSP Supervisor | 11/14/2023 11:52 AM |
| 7 | Brent Stevenson/General Manager/Santiam Water Control District | 11/14/2023 10:08 AM |
| 8 | President, II-S Mechanical Inc. | 11/14/2023 9:27 AM |
| 9 | Gibson Kuenzi - Siegmund Excavation - Chief Construction Officer | 11/14/2023 9:18 AM |
| 10 | Leslie Croquette, Oregon Aerial Construction, Office Manager | 11/14/2023 8:53 AM |
| 11 | scott smith Swarco McCain Account Executive | 11/14/2023 7:44 AM |
| 12 | Carl- Community Construction Liaison | 11/14/2023 7:38 AM |
| 13 | Brent Baldwin DPM Portland General Electric Co. | 11/14/2023 7:29 AM |
| 14 | Charles Huff, Huff Construction, Owner | 11/14/2023 7:27 AM |
| 15 | Engineering Manager | 11/14/2023 7:11 AM |
| 16 | John Eckis / SCTC Construction Design Engineer | 11/14/2023 6:57 AM |
| 17 | Zachary Goodman, Salem Branch Manager | 11/14/2023 6:14 AM |
| 18 | FIRST STUDENT DISPATCHER | 11/14/2023 5:45 AM |
| 19 | President | 11/13/2023 9:06 PM |
| 20 | George Kuenzi with Bulls Eye Directional Boring ,Inc. | 11/13/2023 9:00 PM |
| 21 | Jess Risenmay Action Drain President | 11/13/2023 7:23 PM |
| 22 | Angie Besso A-Affordable Septic Service/ Jonas Co.- Operations Manager | 11/13/2023 6:51 PM |
| 23 | Bill, American Excavation and Construction Company, Owner | 11/13/2023 6:04 PM |
| 24 | Matt DeLapp/ road ops/ supervisor | 11/13/2023 6:00 PM |
| 25 | Janelle Shanahan, Transportation Engineer | 11/13/2023 5:36 PM |
| 26 | West Coast Home Solutions, llc | 11/13/2023 5:12 PM |
| 27 | Bean Construction Inc | 11/13/2023 5:10 PM |
| 28 | Steve Carscallen Network Engineering and Operations, Engr III Spec-Outside Plant | 11/13/2023 4:55 PM |
| 29 | SHAWN | 11/13/2023 4:54 PM |
| 30 | Scott Wilson; Public Works/Marion County, Operations Manager | 11/13/2023 4:35 PM |
| 31 | Shelly Long, Mid Columbia Bus Co Inc | 11/13/2023 4:31 PM |

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| | | |
|----|--|--------------------|
| 32 | Noah Jones GM @ Highway Fuel Co. | 11/13/2023 4:29 PM |
| 33 | Tony Manager | 11/13/2023 4:27 PM |
| 34 | Jim Trierweiler, Fire Chief Mt Angel Fire District | 11/13/2023 4:25 PM |
| 35 | Rich Duncan Construction Inc, Richard E Duncan, President | 11/13/2023 4:24 PM |
| 36 | Beau Braman, Associate Principal | 11/8/2023 4:01 PM |
| 37 | Stefon, Better Oregon Homes LLC. Member | 11/8/2023 3:49 PM |
| 38 | Alex Secor owner of Secor Homes LLC, a custom construction company | 11/8/2023 9:37 AM |
| 39 | Josh Ashley, Permitting Coordinator (Joint Use) Comcast | 11/7/2023 9:51 AM |
| 40 | Matt Ficek LDEP- Senior Eng Tech- Construction Inspector | 11/7/2023 7:44 AM |
| 41 | Mark Ferron, Traffic Safety Team Sergeant, Sheriff's Office | 11/6/2023 7:00 AM |
| 42 | Rick Bush | 11/5/2023 9:20 AM |
| 43 | Kay Alejandre | 11/3/2023 9:04 AM |
| 44 | Don Alexander, PW Engineering | 11/3/2023 7:42 AM |
| 45 | Jeff Buskirk City of Jefferson | 11/2/2023 4:05 PM |
| 46 | George Grabenhorst - Senior Advisor - SVN commercial | 11/2/2023 1:25 PM |
| 47 | Ben Haney, Engr Program Mgr, City of Salem | 11/2/2023 12:40 PM |
| 48 | Kim Jacobson, Astound Broadband, Permit Tech | 11/2/2023 12:35 PM |
| 49 | Bryan G. Lee - Fire Chief, St Paul Rural Fire Protections District | 11/2/2023 12:32 PM |
| 50 | Ray Lambert - PGE project manager | 11/2/2023 11:24 AM |
| 51 | Jerry Benson Construction Coordinator Astound Broadband | 11/2/2023 9:13 AM |
| 52 | Brian Watson Sr Construction Operations Manager | 11/2/2023 9:03 AM |
| 53 | Bill Lawyer | 11/2/2023 8:13 AM |
| 54 | ROBERT POWELL, ENG/LDEP, TECH II | 11/2/2023 7:47 AM |
| 55 | Scott Brotherton, Owner/Estimator/VP | 11/2/2023 6:03 AM |
| 56 | Carl Batson | 11/2/2023 5:55 AM |
| 57 | Scott Mansur, DKS Associates | 11/1/2023 8:35 PM |
| 58 | Vince Reichow | 11/1/2023 4:48 PM |
| 59 | Matthew Hendrick, City Engineer City of Independence | 11/1/2023 4:22 PM |
| 60 | Mitch Hemmer, Capital Projects, CEA3 | 11/1/2023 4:10 PM |
| 61 | zvcxzxvc | 11/1/2023 3:58 PM |
| 62 | Mark Grenz, MULTI/TECH Engineering | 11/1/2023 3:14 PM |
| 63 | Glenn Goschie / Goschie Farms Inc / President | 11/1/2023 2:53 PM |
| 64 | Lane Ecker David Evans & Associates - Sr. Constr. Inspector | 11/1/2023 2:52 PM |
| 65 | Melissa Thomas, II-S Mechanical Inc, Office Manager | 11/1/2023 2:43 PM |
| 66 | Ron R Bochsler | 11/1/2023 2:42 PM |
| 67 | John Rasmussen / MCPW Eng - LDEP | 11/1/2023 1:52 PM |
| 68 | Bill Smith With Dirt & Aggregate Interchange | 11/1/2023 12:27 PM |
| 69 | Andrew Quiroz - Outside Telecom Engineer | 11/1/2023 12:23 PM |

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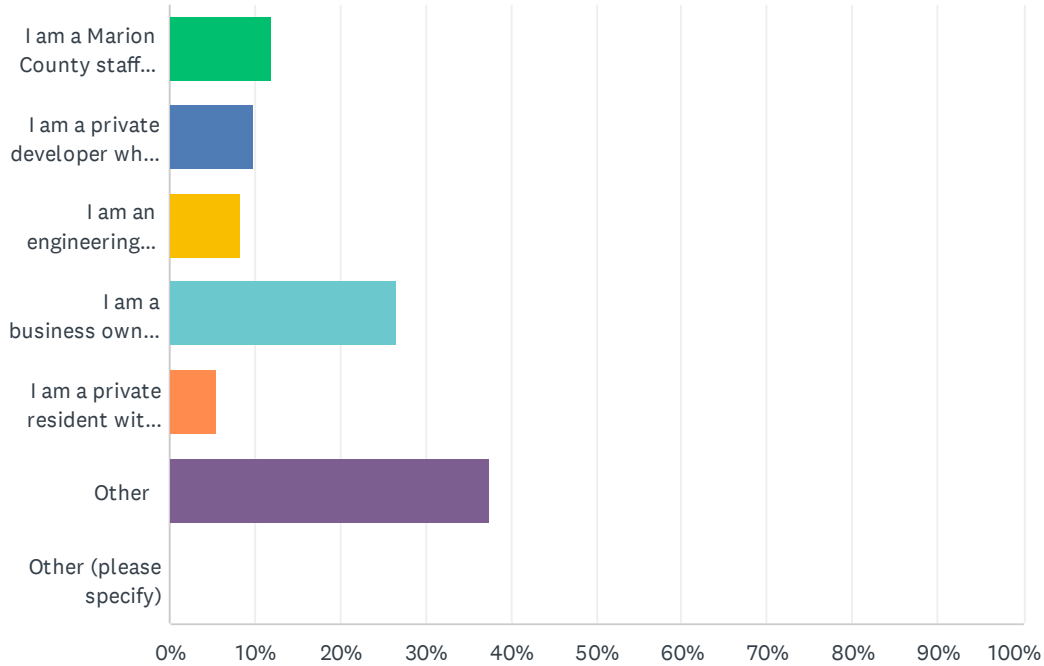
| | | |
|-----|---|--------------------|
| 70 | Doug Priest - City of Salem Water Department | 11/1/2023 12:19 PM |
| 71 | Steven Preszler - Project Engineer | 11/1/2023 12:18 PM |
| 72 | City of Aurora/ Public Works | 11/1/2023 12:18 PM |
| 73 | Dave Parsons/Facilities/North Santiam SD/Director | 11/1/2023 12:14 PM |
| 74 | Loren's Sanitation | 11/1/2023 11:27 AM |
| 75 | Jim Douglas | 11/1/2023 11:06 AM |
| 76 | Tammy Clifford, First Student (School Bus Transportation), Location Manager | 11/1/2023 10:56 AM |
| 77 | McKillip Excavation, Inc. | 11/1/2023 10:55 AM |
| 78 | Matthew Etzel Aumsville Public Works Assistant Director | 11/1/2023 10:53 AM |
| 79 | Jason Daggett, manager, Suburban East Salem Water District | 11/1/2023 10:10 AM |
| 80 | Oregon Sewer & Drain LLC | 11/1/2023 9:42 AM |
| 81 | Joey Walczak, Farline Bridge, General Manager | 11/1/2023 9:32 AM |
| 82 | SACHIN SHUKLA, PGE | 11/1/2023 9:26 AM |
| 83 | Brandon Hutchinson - OSP Manager- LS Networks | 11/1/2023 9:13 AM |
| 84 | Cathy Clark, Mayor, City of Keizer | 11/1/2023 9:06 AM |
| 85 | Joel Mcgowan, Liberty, concrete Inc. | 11/1/2023 9:03 AM |
| 86 | Don Novak, Supervising Electrician, Willscott-Mobile Mini | 11/1/2023 9:01 AM |
| 87 | owner | 11/1/2023 8:50 AM |
| 88 | Eric Anderson | 11/1/2023 8:43 AM |
| 89 | Kurt Bickle C-2 Utility | 11/1/2023 8:43 AM |
| 90 | Don Jensen Jensen Construction | 11/1/2023 8:42 AM |
| 91 | Mid-Columbia bus company (Location Manager) | 11/1/2023 8:32 AM |
| 92 | Matt Johnson, City of Monmouth Public Works Op Manager | 11/1/2023 8:23 AM |
| 93 | Matt Knudsen - Marion County - Stormwater Supervisor | 11/1/2023 8:13 AM |
| 94 | manager telecom | 11/1/2023 8:07 AM |
| 95 | Jess North, PGE, Manager Large Projects | 11/1/2023 8:00 AM |
| 96 | Ryan Crowther / Marion County | 11/1/2023 7:44 AM |
| 97 | builder | 11/1/2023 7:41 AM |
| 98 | KHC General Contractor, LLC | 11/1/2023 7:38 AM |
| 99 | W. Josh Wells, Westech Engineering Inc, President | 11/1/2023 7:31 AM |
| 100 | Steve Spon - International Line Builders, Inc. | 11/1/2023 7:23 AM |
| 101 | Adrian Smith/Consumers Power Inc./Engineering Manager | 11/1/2023 7:09 AM |
| 102 | Jason Jones/ VacX/ Vice President | 11/1/2023 7:07 AM |
| 103 | Elwood A Newhouse | 11/1/2023 6:57 AM |
| 104 | Scott-Texstar SRPM | 11/1/2023 6:48 AM |
| 105 | Mike fouts- owner willamette valley underground | 11/1/2023 6:42 AM |
| 106 | Randy Gray, Owner | 11/1/2023 6:31 AM |
| 107 | Gerald Horner, Willamette Engineering, Inc. Civil Engineer | 11/1/2023 6:22 AM |

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| | | |
|-----|--|--------------------|
| 108 | Ricki Young RY construction owner | 11/1/2023 6:18 AM |
| 109 | Dorson Jackson, owner Dorson Jackson Construction Inc. I am a licensed contractor specializing in residential and light commercial remodeling. I also build homes. | 11/1/2023 6:06 AM |
| 110 | pro paving llc/ john leggett/owner | 11/1/2023 5:23 AM |
| 111 | Alex Melton owner/operator at melton home remodeling | 10/31/2023 9:41 PM |
| 112 | Patxi Waite, Falck Salem Ambulance, Field operations Supervisor | 10/31/2023 8:23 PM |
| 113 | Robert Angove, manager Santiam Mountain Investment | 10/31/2023 7:36 PM |
| 114 | George Grabenhorst senior adviser SVN Commercial | 10/31/2023 7:33 PM |
| 115 | Joel Halter / St. Paul Tel | 10/31/2023 7:14 PM |
| 116 | Shawn trahan general contractor | 10/31/2023 6:56 PM |
| 117 | Ford Stigall | 10/31/2023 6:52 PM |
| 118 | John Bielec- Construction-Ziply Fiber -Construction Manager | 10/31/2023 6:41 PM |
| 119 | Nick chapman ops manager | 10/31/2023 6:34 PM |
| 120 | Elvis yan builder | 10/31/2023 6:34 PM |

Q2 How have you interacted with the Marion County Engineering Standards?

Answered: 202 Skipped: 0



| ANSWER CHOICES | RESPONSES | |
|---|-----------|------------|
| I am a Marion County staff member | 11.88% | 24 |
| I am a private developer who works within Marion County | 9.90% | 20 |
| I am an engineering consultant who works within Marion County | 8.42% | 17 |
| I am a business owner within Marion County | 26.73% | 54 |
| I am a private resident within Marion County | 5.45% | 11 |
| Other | 37.62% | 76 |
| Other (please specify) | 0.00% | 0 |
| TOTAL | | 202 |

| # | OTHER (PLEASE SPECIFY) | DATE |
|---|-------------------------|------|
| | There are no responses. | |

Q3 What division and/or what types of projects do you work on?

Answered: 19 Skipped: 183

| # | RESPONSES | DATE |
|----|---|--------------------|
| 1 | Engineering, Capital Projects | 11/14/2023 9:23 AM |
| 2 | Road maintenance projects | 11/13/2023 6:00 PM |
| 3 | Traffic and Transportation Planning Studies, and Transportation projects, Transportation Grant Applications, Development/Traffic Impact Analysis Review | 11/13/2023 5:36 PM |
| 4 | Roads & Bridges Operations and Maintenance Maintain, repair, and improve pavements, bridges, guardrails, drainage conveyance, and roadside vegetation control. | 11/13/2023 4:39 PM |
| 5 | I work on Private-Developer paid for project | 11/7/2023 7:45 AM |
| 6 | Projects that effect Traffic Safety. I attend monthly meetings and am in regular contact with Public Works to address concerns throughout the County. | 11/6/2023 7:03 AM |
| 7 | Administration - Budget | 11/3/2023 9:05 AM |
| 8 | Capital Projects | 11/3/2023 8:55 AM |
| 9 | Traffic Engineering, ADA, Signs, Striping, Pavement Markers, Traffic Control Devices, Signals | 11/3/2023 7:44 AM |
| 10 | Capital Project - CIP projects that include both County funded and Federally funded projects. Mainly urban developments street widening with some rural improvements. | 11/2/2023 9:42 AM |
| 11 | LDEP / UTILITIES | 11/2/2023 7:47 AM |
| 12 | Marion County inspector | 11/2/2023 5:56 AM |
| 13 | Pvt dev, road imp projects | 11/1/2023 1:52 PM |
| 14 | Primarily bridge and roadway design. | 11/1/2023 12:19 PM |
| 15 | capital projects | 11/1/2023 10:04 AM |
| 16 | Traffic Engineering | 11/1/2023 8:43 AM |
| 17 | Primarily Stormwater, Wastewater, Drinking water, and Environmental technical and operational work. | 11/1/2023 8:14 AM |
| 18 | Capital Projects | 11/1/2023 7:58 AM |
| 19 | Engineering | 11/1/2023 7:44 AM |

Q4 What types of development?

Answered: 19 Skipped: 183

| # | RESPONSES | DATE |
|----|---|--------------------|
| 1 | Commercial Building | 11/14/2023 9:28 AM |
| 2 | excavation, home builder,sub-division | 11/14/2023 7:59 AM |
| 3 | Residential and Multifamily | 11/13/2023 5:12 PM |
| 4 | RESIDENTIAL | 11/13/2023 4:54 PM |
| 5 | Residential | 11/13/2023 4:53 PM |
| 6 | residential | 11/13/2023 4:27 PM |
| 7 | SFR and MFR | 11/8/2023 3:49 PM |
| 8 | Utilities | 11/3/2023 12:24 PM |
| 9 | Land | 11/2/2023 10:06 AM |
| 10 | New home construction | 11/1/2023 4:48 PM |
| 11 | Residential and Commercial site development | 11/1/2023 2:43 PM |
| 12 | Subdivisions | 11/1/2023 10:41 AM |
| 13 | Residential | 11/1/2023 10:11 AM |
| 14 | under ground utilities | 11/1/2023 8:43 AM |
| 15 | Single Family and commercial properties | 11/1/2023 8:42 AM |
| 16 | SFR | 10/31/2023 9:17 PM |
| 17 | Land for residential development | 10/31/2023 7:36 PM |
| 18 | residential | 10/31/2023 7:30 PM |
| 19 | Commercial/residential | 10/31/2023 6:35 PM |

Q5 What discipline and/or what types of projects do you work on?

Answered: 15 Skipped: 187

| # | RESPONSES | DATE |
|----|---|---------------------|
| 1 | AT&T Corp. long line telecom | 11/14/2023 11:20 PM |
| 2 | Environmental assessment and cleanup of contaminated soil and groundwater. | 11/14/2023 4:15 PM |
| 3 | Civil and geotechnical engineering | 11/14/2023 3:58 PM |
| 4 | Overhead electrical utilities (pole replacements) | 11/14/2023 7:11 AM |
| 5 | Civil Engineering Land Surveying | 11/13/2023 4:24 PM |
| 6 | Civil Engineering | 11/13/2023 9:54 AM |
| 7 | Civil Engineering | 11/8/2023 4:02 PM |
| 8 | Transportation and Civil Engineering | 11/1/2023 8:35 PM |
| 9 | While in the private development arena, I performed civil engineering for land development. | 11/1/2023 4:23 PM |
| 10 | Civil Design, such as Land Development | 11/1/2023 3:15 PM |
| 11 | Roads and Bridge Construction. | 11/1/2023 2:53 PM |
| 12 | Transportation, Private Development | 11/1/2023 9:47 AM |
| 13 | Civil Engineering, industrial, commercial, residential, streets, utilities, stormwater systems, municipal and county engineering. | 11/1/2023 7:32 AM |
| 14 | Civil/structural | 11/1/2023 7:28 AM |
| 15 | Civil and Structural | 11/1/2023 6:22 AM |

Q6 What type of business do you own?

Answered: 52 Skipped: 150

| # | RESPONSES | DATE |
|----|---|---------------------|
| 1 | Construction/remodeling | 11/14/2023 7:01 PM |
| 2 | Electrical Utility Contractor | 11/14/2023 6:09 PM |
| 3 | Communications | 11/14/2023 11:52 AM |
| 4 | Construction | 11/14/2023 10:56 AM |
| 5 | General Contractor | 11/14/2023 7:27 AM |
| 6 | Construction contractor | 11/14/2023 7:11 AM |
| 7 | environmental consulting and repair - sewer, septic inspection and repair | 11/14/2023 6:14 AM |
| 8 | Underground utility contractor | 11/13/2023 9:07 PM |
| 9 | Horizontal Drilling | 11/13/2023 9:00 PM |
| 10 | Construction | 11/13/2023 7:49 PM |
| 11 | Plumbing Contractor | 11/13/2023 7:24 PM |
| 12 | Construction contractor | 11/13/2023 6:35 PM |
| 13 | Construction | 11/13/2023 6:04 PM |
| 14 | Construction | 11/13/2023 5:10 PM |
| 15 | Telecom Utility (Internet Service Provider) | 11/13/2023 4:30 PM |
| 16 | Construction | 11/13/2023 4:29 PM |
| 17 | Composting/Recycling/Landscape Supply | 11/13/2023 4:29 PM |
| 18 | Refuse and Recycling Hauler | 11/13/2023 4:25 PM |
| 19 | Construction | 11/13/2023 4:24 PM |
| 20 | Construction | 11/6/2023 6:34 AM |
| 21 | Construction | 11/5/2023 9:20 AM |
| 22 | General Construction | 11/2/2023 4:55 PM |
| 23 | Ag irrigation | 11/2/2023 6:15 AM |
| 24 | Construction | 11/2/2023 6:03 AM |
| 25 | Concrete flat work | 11/1/2023 9:03 PM |
| 26 | Farmingj of Hops, Windgrapes, Grain, Specialty Seeds and other crops. | 11/1/2023 2:54 PM |
| 27 | Plumbing Contractor | 11/1/2023 2:43 PM |
| 28 | I manager the school bus transportation for Woodburn | 11/1/2023 10:56 AM |
| 29 | Excavation Contractor | 11/1/2023 10:55 AM |
| 30 | Construction | 11/1/2023 10:15 AM |
| 31 | Septic & Pumping | 11/1/2023 9:42 AM |
| 32 | Construction General Contractor | 11/1/2023 9:32 AM |
| 33 | Concrete construction | 11/1/2023 9:04 AM |

Marion County Engineering Standards Update

| | | |
|----|---------------------------------|--------------------|
| 34 | contracting and home staging | 11/1/2023 8:51 AM |
| 35 | Construction | 11/1/2023 8:16 AM |
| 36 | Construction | 11/1/2023 8:10 AM |
| 37 | builder | 11/1/2023 7:41 AM |
| 38 | Construction General Contractor | 11/1/2023 7:38 AM |
| 39 | tree service | 11/1/2023 6:57 AM |
| 40 | Construction | 11/1/2023 6:06 AM |
| 41 | asphalt paving | 11/1/2023 5:23 AM |
| 42 | construction | 11/1/2023 4:27 AM |
| 43 | Remodeling | 10/31/2023 9:41 PM |
| 44 | Excavation | 10/31/2023 8:10 PM |
| 45 | Commercial Real Estate | 10/31/2023 7:33 PM |
| 46 | Telecommunications | 10/31/2023 7:14 PM |
| 47 | Home remodel/ construction. | 10/31/2023 7:13 PM |
| 48 | Residential general contractor | 10/31/2023 6:56 PM |
| 49 | Drilling | 10/31/2023 6:53 PM |
| 50 | Concrete repair and install | 10/31/2023 6:44 PM |
| 51 | Construction | 10/31/2023 6:39 PM |
| 52 | Construction | 10/31/2023 6:34 PM |

Q7 What area of the County do you work and/or live in (i.e., rural area, urban area, nearby city, residential subdivision, business area)?

Answered: 10 Skipped: 192

| # | RESPONSES | DATE |
|----|---|---------------------|
| 1 | URBAN WORK, RURAL AREA LIVE | 11/14/2023 5:46 AM |
| 2 | Rural | 11/13/2023 4:44 PM |
| 3 | Little North Fork (Rural Area) | 11/13/2023 4:28 PM |
| 4 | Rural Area | 11/6/2023 7:14 PM |
| 5 | I live in SE Salem in a rural area on a 100 Acre farm. Right between Salem and Turner. | 11/2/2023 1:26 PM |
| 6 | rural area, Aumsville | 11/1/2023 9:01 AM |
| 7 | Rural, Jefferson | 11/1/2023 8:31 AM |
| 8 | Silverton | 10/31/2023 11:29 PM |
| 9 | I live in a rural area, just north of Keizer. I work throughout the city of Salem and surrounding areas | 10/31/2023 8:25 PM |
| 10 | Rural Turner | 10/31/2023 7:06 PM |

Q8 What is your affiliation with the County?

Answered: 60 Skipped: 142

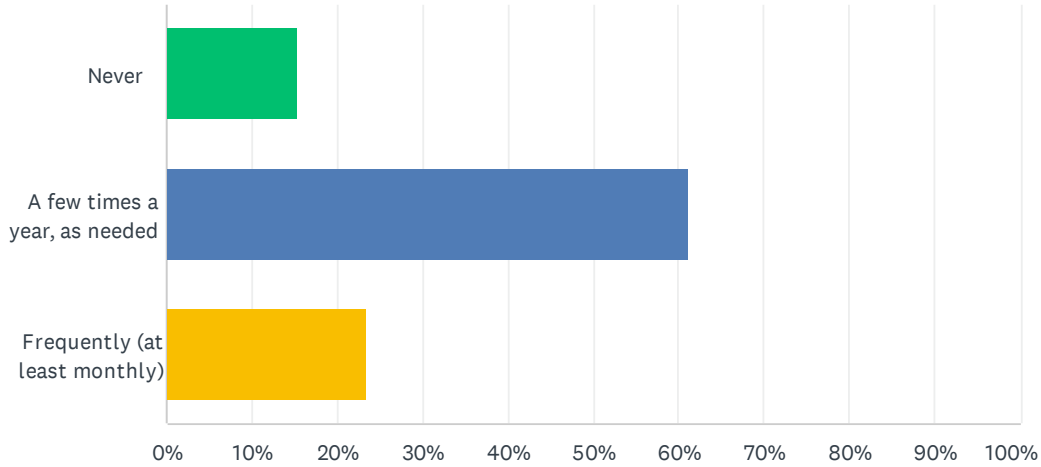
| # | RESPONSES | DATE |
|----|---|---------------------|
| 1 | Business Manager of Business within Marion County, Electric Utility Contractor | 11/14/2023 6:09 PM |
| 2 | Contractor | 11/14/2023 1:12 PM |
| 3 | We are an Oregon Special District, a form of local government. | 11/14/2023 10:09 AM |
| 4 | Utility Contractor | 11/14/2023 9:34 AM |
| 5 | none | 11/14/2023 9:24 AM |
| 6 | Our company works on County Projects | 11/14/2023 9:18 AM |
| 7 | Franchise Utility Operator | 11/14/2023 9:05 AM |
| 8 | We are a telecommunication line company that works on telephone poles within the county sometime. | 11/14/2023 8:53 AM |
| 9 | We provide traffic signals and cabinets that run the intersections | 11/14/2023 7:44 AM |
| 10 | Santiam Canyon Wildfire Recovery Fund | 11/14/2023 7:38 AM |
| 11 | Local Electric Utility that works with the county | 11/14/2023 7:34 AM |
| 12 | Request permits for various ROW work | 11/14/2023 7:23 AM |
| 13 | I file utility permits and represent SCTC for any utility concerns with the county. | 11/14/2023 6:58 AM |
| 14 | Permits | 11/13/2023 6:51 PM |
| 15 | I reside in Marion County | 11/13/2023 6:23 PM |
| 16 | ROW user Verizon/MCI | 11/13/2023 4:55 PM |
| 17 | We drive the School Buses in Stayton, Sublimity and Lyons for NSSD | 11/13/2023 4:31 PM |
| 18 | The Mt Angel Fire District is 100 percent within Marion County. We may assist enforcement of the Oregon Fire Code | 11/13/2023 4:26 PM |
| 19 | City of Gates | 11/13/2023 4:25 PM |
| 20 | Contractor | 11/13/2023 4:19 PM |
| 21 | Custom Home builder that works within the county often. | 11/8/2023 9:37 AM |
| 22 | Private Contractor | 11/8/2023 8:39 AM |
| 23 | We are a contractor that does work in Marion County on occasion. | 11/7/2023 2:47 PM |
| 24 | None | 11/7/2023 9:52 AM |
| 25 | Work for an electric utility | 11/6/2023 8:52 AM |
| 26 | Permitting | 11/3/2023 11:14 AM |
| 27 | Utility in the ROW | 11/2/2023 4:24 PM |
| 28 | City within the county | 11/2/2023 4:05 PM |
| 29 | City of Salem infrastructure projects in County | 11/2/2023 12:40 PM |
| 30 | Request ROW permits for Astound Broadband | 11/2/2023 12:35 PM |
| 31 | Project manager for Portland General Electric | 11/2/2023 11:24 AM |

Marion County Engineering Standards Update

| | | |
|----|--|--------------------|
| 32 | I am a general contractor that does projects in Marion Co. | 11/2/2023 9:14 AM |
| 33 | I permit for jobs for Astound Broadband | 11/2/2023 9:13 AM |
| 34 | Utility | 11/2/2023 9:03 AM |
| 35 | Keizer Public Works | 11/2/2023 8:13 AM |
| 36 | contractor | 11/1/2023 3:58 PM |
| 37 | Guardrail Contractor | 11/1/2023 12:28 PM |
| 38 | I work with Viser Fiber Optics building utilities in Marion County. | 11/1/2023 12:23 PM |
| 39 | The City of Salem has public infrastructure located in Marion County's ROW. | 11/1/2023 12:19 PM |
| 40 | I am a general contractor and we do work for counties and have worked for Marion County. | 11/1/2023 12:14 PM |
| 41 | None | 11/1/2023 12:14 PM |
| 42 | work in marion county | 11/1/2023 11:26 AM |
| 43 | I work for a municipality within Marion County. | 11/1/2023 10:54 AM |
| 44 | Public Water System, Special District | 11/1/2023 10:12 AM |
| 45 | PGE EMPLOYEE | 11/1/2023 9:26 AM |
| 46 | I manage the Outside Plant Engineer group that designs and builds Fiber Optic infrastructure. | 11/1/2023 9:25 AM |
| 47 | Resident and Mayor of Keizer | 11/1/2023 9:06 AM |
| 48 | Work and provide School bus services in Marion County | 11/1/2023 8:32 AM |
| 49 | Utility within ROW | 11/1/2023 8:23 AM |
| 50 | work in the Right Of Way | 11/1/2023 8:08 AM |
| 51 | Involved in road improvement projects requiring PGE asset relocations | 11/1/2023 8:01 AM |
| 52 | Woodburn | 11/1/2023 7:56 AM |
| 53 | work within | 11/1/2023 7:52 AM |
| 54 | School District | 11/1/2023 7:25 AM |
| 55 | Utility contractor | 11/1/2023 7:23 AM |
| 56 | Consumers Power Inc. is a power utility that operates within Marion County. | 11/1/2023 7:11 AM |
| 57 | We have done several potholing projects for engineering firms to determine the locations of the existing utilities so they can design around them. | 11/1/2023 7:08 AM |
| 58 | We are licensed to work in the county | 11/1/2023 6:49 AM |
| 59 | none | 11/1/2023 6:31 AM |
| 60 | Builder | 11/1/2023 6:18 AM |

Q9 Have you ever used any of the existing Marion County Engineering Standards?

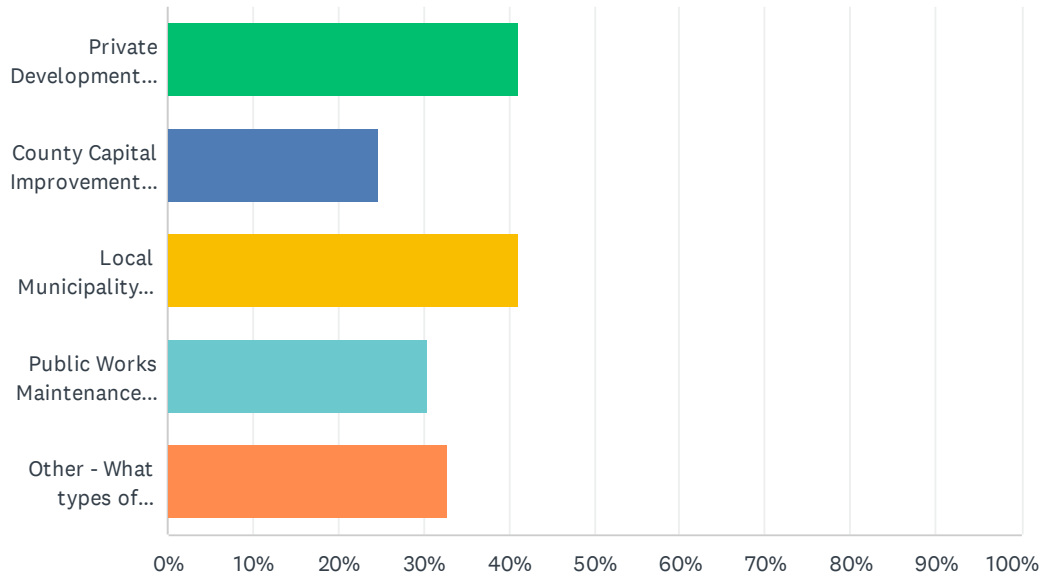
Answered: 98 Skipped: 104



| ANSWER CHOICES | RESPONSES | |
|-------------------------------|-----------|-----------|
| Never | 15.31% | 15 |
| A few times a year, as needed | 61.22% | 60 |
| Frequently (at least monthly) | 23.47% | 23 |
| TOTAL | | 98 |

Q10 If you have, what types of projects are you using the Engineering Standards for?

Answered: 85 Skipped: 117



| ANSWER CHOICES | RESPONSES |
|---|-----------|
| Private Development Projects | 41.18% 35 |
| County Capital Improvement Projects | 24.71% 21 |
| Local Municipality Capital Improvement Projects (along or near County roadways) | 41.18% 35 |
| Public Works Maintenance Projects | 30.59% 26 |
| Other - What types of projects are you using the standards for? | 32.94% 28 |
| Total Respondents: 85 | |

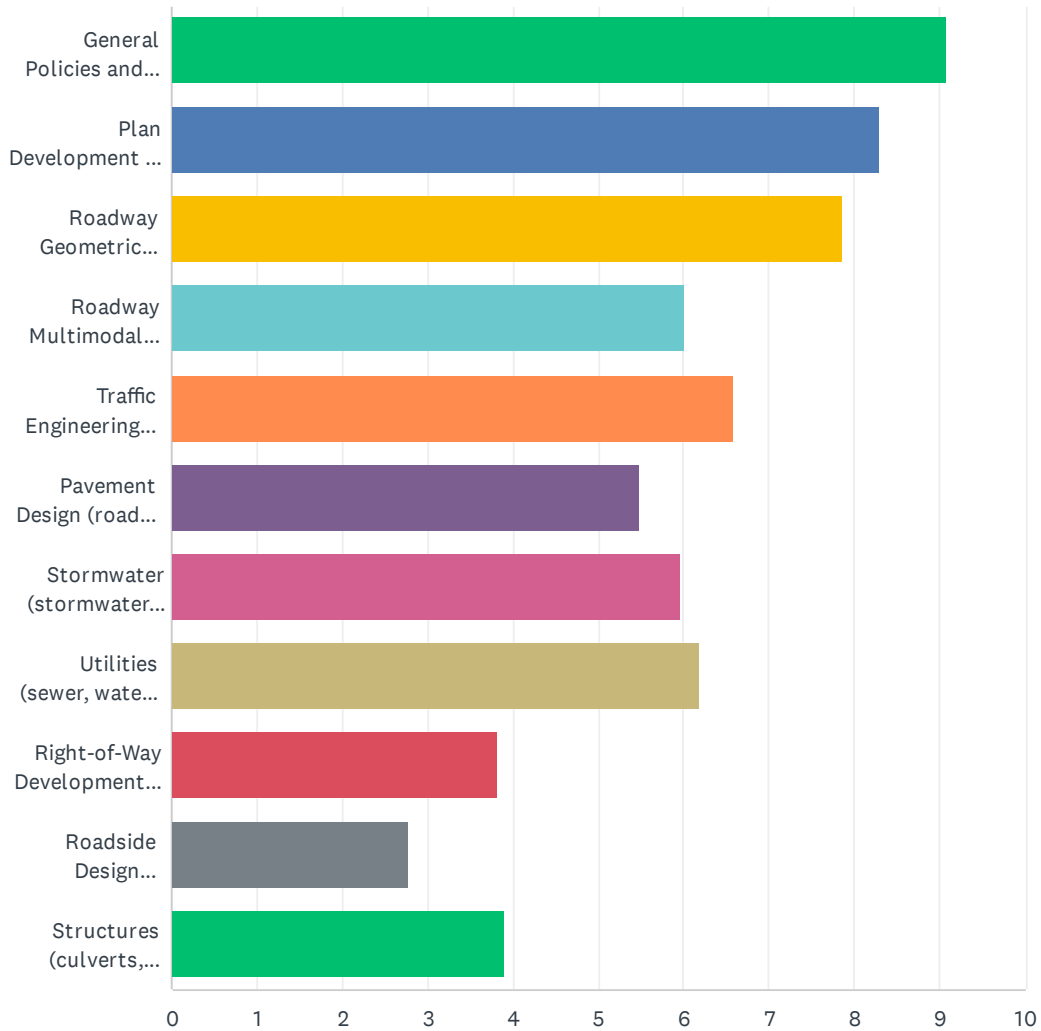
| # | OTHER - WHAT TYPES OF PROJECTS ARE YOU USING THE STANDARDS FOR? | DATE |
|---|--|---------------------|
| 1 | Right of Way Utility Work | 11/14/2023 6:27 PM |
| 2 | Contractor for Comcast to install CATV service / sometimes also for private bid jobs for power companies | 11/14/2023 1:19 PM |
| 3 | right of way | 11/14/2023 12:00 PM |
| 4 | District owned facilities (ditches canal pipes etc.) within county right of ways | 11/14/2023 10:37 AM |
| 5 | I rarely use the standards. They do not meet modern engineering standards and our contractors are more familiar with ODOT construction specifications, standards and drawings. | 11/14/2023 9:29 AM |
| 6 | Wildfire Recovery | 11/14/2023 7:45 AM |
| 7 | Utilities | 11/14/2023 7:32 AM |
| 8 | Replacement of failing PGE poles | 11/14/2023 7:14 AM |
| 9 | Installing utilities within the PUE | 11/13/2023 9:13 PM |

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| | | |
|----|---|--------------------|
| 10 | My own personal home building projects | 11/13/2023 6:06 PM |
| 11 | plumbing | 11/13/2023 4:44 PM |
| 12 | Internet Utility Construction | 11/13/2023 4:36 PM |
| 13 | Refuse and Recycling Enclosures | 11/13/2023 4:34 PM |
| 14 | ROW utility construction | 11/2/2023 4:27 PM |
| 15 | Residential construction | 11/2/2023 9:19 AM |
| 16 | Street Resurfacing | 11/2/2023 8:16 AM |
| 17 | UTILITIES | 11/2/2023 8:08 AM |
| 18 | Ag projects | 11/2/2023 6:18 AM |
| 19 | Driveway access and improvements | 11/1/2023 3:01 PM |
| 20 | Private Landowner | 11/1/2023 12:10 PM |
| 21 | Storm sewer and other utility lines should not meander across the road right-of-way, creating conflicts with existing and future utilities and preempting orderly future installation. With a few exceptions, underground utilities should parallel the roadway centerline and be placed per Standard Drawings Nos. 2, 3, and 4 | 11/1/2023 9:34 AM |
| 22 | Where are complaint with Marion County is drive approaches and city sidewalks, and their standards and practices. Their inspectors are very biased. We are considering Legal action | 11/1/2023 9:07 AM |
| 23 | telecom lumen | 11/1/2023 8:11 AM |
| 24 | Utility Asset Relocations | 11/1/2023 8:06 AM |
| 25 | Powerline Maintenace and or update | 11/1/2023 7:30 AM |
| 26 | Reference for Street lighting and pavement patching | 11/1/2023 7:25 AM |
| 27 | Telecommunications installation and maintenance | 11/1/2023 7:03 AM |
| 28 | Subdivision, pole barn | 10/31/2023 6:41 PM |

Q11 Prioritize the following topic areas in the Engineering Standards. Rank with 1 being the highest priority

Answered: 88 Skipped: 114



Marion County Engineering Standards Update

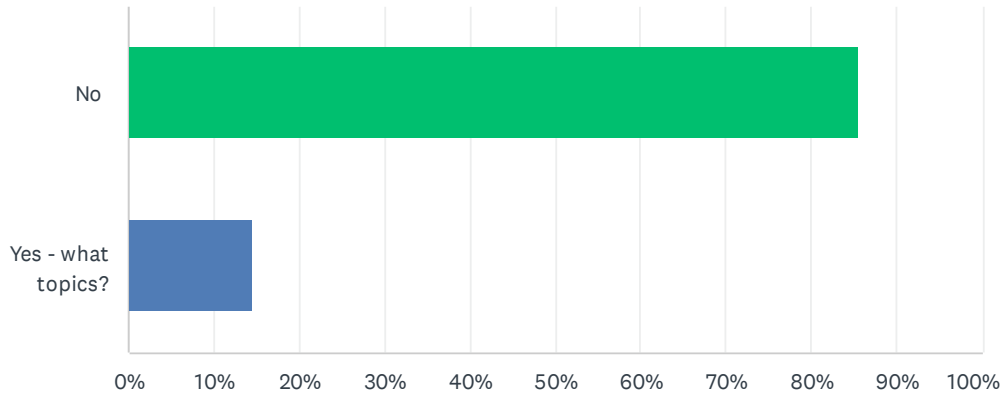
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|------------|-------|
| General Policies and Standards (project types, design exceptions, permit requirements, construction inspection, access management, survey and monumentation, public right-of-way easements, etc.) | 48.86% 43 | 20.45% 18 | 4.55% 4 | 4.55% 4 | 1.14% 1 | 6.82% 6 | 3.41% 3 | 3.41% 3 | 0.00% 0 | 3.41% 3 | 3.41% |
| Plan Development and Submittals (design plan processes and requirements, traffic impact analysis requirements, etc.) | 12.50% 11 | 34.09% 30 | 23.86% 21 | 4.55% 4 | 5.68% 5 | 2.27% 2 | 4.55% 4 | 1.14% 1 | 2.27% 2 | 3.41% 3 | 5.68% |
| Roadway Geometric Design (speed, roadway widths, horizontal and vertical alignment, intersections, sight distance, driveways, parking, fire standards, etc.) | 12.50% 11 | 10.23% 9 | 30.68% 27 | 15.91% 14 | 5.68% 5 | 7.95% 7 | 4.55% 4 | 3.41% 3 | 2.27% 2 | 5.68% 5 | 1.14% |
| Roadway Multimodal Design (designing for pedestrians, bicycles, buses, trucks, and other roadway users, etc.) | 1.14% 1 | 4.55% 4 | 2.27% 2 | 26.14% 23 | 19.32% 17 | 10.23% 9 | 9.09% 8 | 11.36% 10 | 4.55% 4 | 2.27% 2 | 9.09% |
| Traffic Engineering (stop signs, traffic signals, signs, pavement markings, street lighting, construction traffic control, etc.) | 4.55% 4 | 3.41% 3 | 5.68% 5 | 15.91% 14 | 22.73% 20 | 22.73% 20 | 10.23% 9 | 6.82% 6 | 6.82% 6 | 0.00% 0 | 1.14% |
| Pavement Design (roadway | 3.41% 3 | 5.68% 5 | 2.27% 2 | 4.55% 4 | 6.82% 6 | 25.00% 22 | 21.59% 19 | 14.77% 13 | 5.68% 5 | 5.68% 5 | 4.55% |

Marion County Engineering Standards Update

| pavement type and structure) | | | | | | | | | | | | |
|---|--------------|------------|-------------|--------------|--------------|------------|--------------|--------------|--------------|--------------|--------|--|
| Stormwater (stormwater facilities, drainage, erosion control, etc.) | 0.00% 0 | 7.95% 7 | 7.95% 7 | 11.36% 10 | 12.50% 11 | 6.82% 6 | 29.55% 26 | 11.36% 10 | 10.23% 9 | 1.14% 1 | 1.14% | |
| Utilities (sewer, water, power, etc.) | 12.50% 11 | 5.68% 5 | 10.23% 9 | 7.95% 7 | 11.36% 10 | 3.41% 3 | 4.55% 4 | 23.86% 21 | 12.50% 11 | 5.68% 5 | 2.27% | |
| Right-of-Way Development (planter strips, medians, vegetation, non-paved areas, etc.) | 0.00% 0 | 5.68% 5 | 2.27% 2 | 3.41% 3 | 3.41% 3 | 3.41% 3 | 5.68% 5 | 12.50% 11 | 35.23% 31 | 19.32% 17 | 9.09% | |
| Roadside Design (guardrail, mailboxes, etc.) | 0.00% 0 | 0.00% 0 | 2.27% 2 | 1.14% 1 | 3.41% 3 | 6.82% 6 | 2.27% 2 | 5.68% 5 | 11.36% 10 | 47.73% 42 | 19.32% | |
| Structures (culverts, walls, bridges, stairs, etc.) | 4.55% 4 | 2.27% 2 | 7.95% 7 | 4.55% 4 | 7.95% 7 | 4.55% 4 | 4.55% 4 | 5.68% 5 | 9.09% 8 | 5.68% 5 | 43.18% | |

Q12 Are there any other topic areas not listed above that should be considered in the Engineering Standards Update?

Answered: 90 Skipped: 112



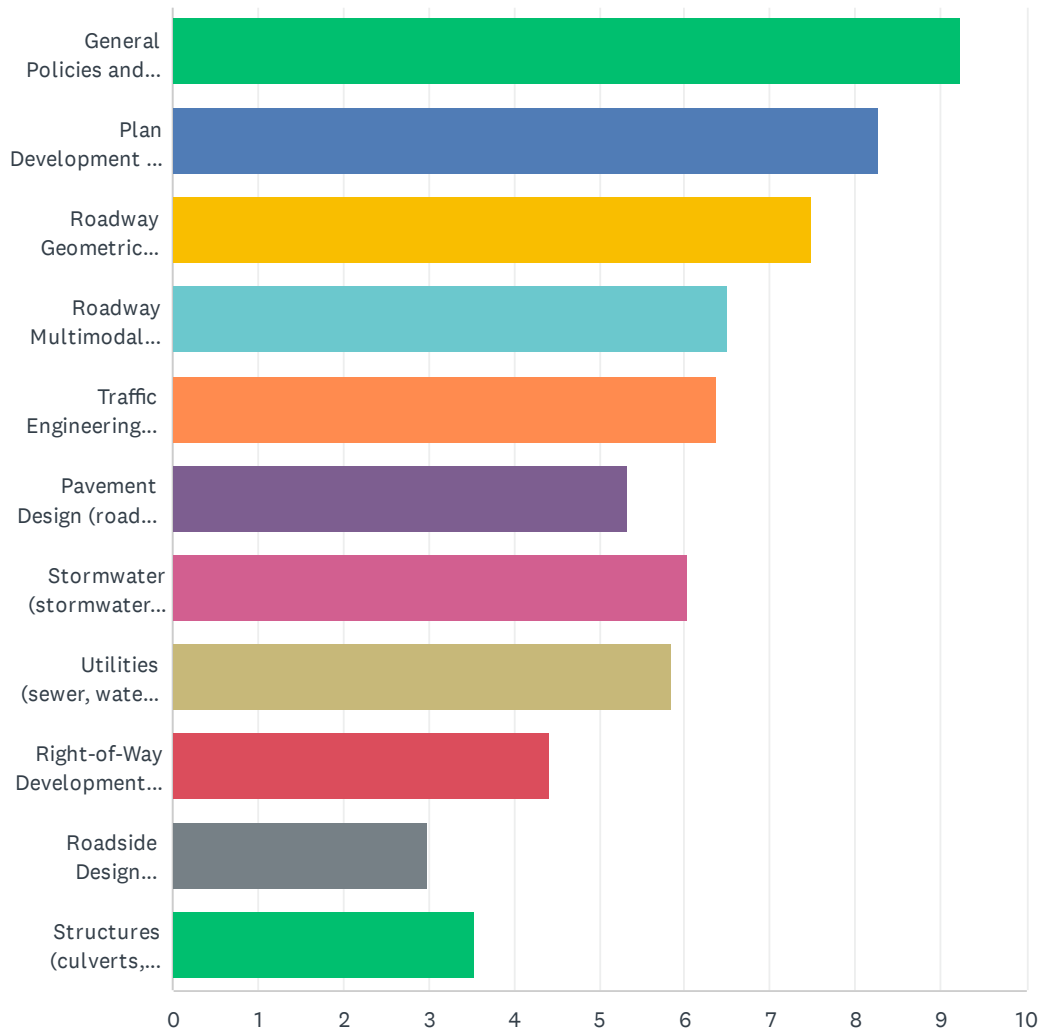
| ANSWER CHOICES | RESPONSES |
|--------------------|-----------|
| No | 85.56% 77 |
| Yes - what topics? | 14.44% 13 |
| TOTAL | 90 |

| # | YES - WHAT TOPICS? | DATE |
|----|--|---------------------|
| 1 | Grading and Earthwork | 11/14/2023 4:02 PM |
| 2 | Special District coordination | 11/14/2023 10:37 AM |
| 3 | underground utilities, | 11/14/2023 8:06 AM |
| 4 | Traffic design (improvement selection). Also, when other required standards, and other agency permitting such as ADA, DSL, DEQ, etc., may be necessary, a note that provides a "heads up - go talk to these people" would be handy. | 11/13/2023 5:36 PM |
| 5 | Unpaved gravel roads, concrete sidewalks, approaches, and ADA ramps | 11/13/2023 4:50 PM |
| 6 | Refuse and Recycling enclosure standards based off the modern technologies used to service commercial sutomers. Also requiring size and quantities of refuse and recycling enclosures on commercial properties specifically multi family properties. | 11/13/2023 4:34 PM |
| 7 | Standard Details | 11/8/2023 4:06 PM |
| 8 | GPS Equipment use on projects | 11/7/2023 7:56 AM |
| 9 | Water quality treatment | 11/1/2023 4:30 PM |
| 10 | Public Relations - As trans. Projects are adj. to Private prop. | 11/1/2023 3:06 PM |
| 11 | ROW use policies for utilities. Clarity on exclusion zones. | 11/1/2023 9:34 AM |
| 12 | The correct standards for any specific application , not dozens pulled from ODOT, and the use of concrete in trenches that does nothing but damage utilities and cause maintenance problems for the future, as none of the batch company's test every load leaving and most end up being concrete NOT CDB. | 11/1/2023 8:12 AM |
| 13 | #8 Below - since there is no space, I don't find the MC challenging for projects, more | 11/1/2023 7:39 AM |

collaborative,

Q13 What topic areas do you find the most challenging when working on projects within Marion County? Please rank all topic areas Rank with 1 being the most challenging

Answered: 66 Skipped: 136



Marion County Engineering Standards Update

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----|
| General Policies and Standards (project types, design exceptions, permit requirements, construction inspection, access management, survey and monumentation, public right-of-way easements, etc.) | 40.91% 27 | 16.67% 11 | 15.15% 10 | 15.15% 10 | 4.55% 3 | 0.00% 0 | 0.00% 0 | 1.52% 1 | 0.00% 0 | 6.06% 4 | 0. |
| Plan Development and Submittals (design plan processes and requirements, traffic impact analysis requirements, etc.) | 10.61% 7 | 34.85% 23 | 15.15% 10 | 18.18% 12 | 4.55% 3 | 6.06% 4 | 0.00% 0 | 0.00% 0 | 0.00% 0 | 1.52% 1 | 9. |
| Roadway Geometric Design (speed, roadway widths, horizontal and vertical alignment, intersections, sight distance, driveways, parking, fire standards, etc.) | 6.06% 4 | 9.09% 6 | 30.30% 20 | 15.15% 10 | 12.12% 8 | 7.58% 5 | 4.55% 3 | 7.58% 5 | 1.52% 1 | 3.03% 2 | 3. |
| Roadway Multimodal Design (designing for pedestrians, bicycles, buses, trucks, and other roadway users, etc.) | 1.52% 1 | 1.52% 1 | 7.58% 5 | 27.27% 18 | 24.24% 16 | 12.12% 8 | 10.61% 7 | 1.52% 1 | 6.06% 4 | 4.55% 3 | 3. |
| Traffic Engineering (stop signs, traffic signals, signs, pavement markings, street lighting, construction traffic control, etc.) | 6.06% 4 | 7.58% 5 | 4.55% 3 | 6.06% 4 | 21.21% 14 | 21.21% 14 | 12.12% 8 | 10.61% 7 | 7.58% 5 | 1.52% 1 | 1. |
| Pavement Design (roadway pavement type and structure) | 0.00% 0 | 1.52% 1 | 3.03% 2 | 3.03% 2 | 12.12% 8 | 28.79% 19 | 22.73% 15 | 15.15% 10 | 7.58% 5 | 4.55% 3 | 1. |
| Stormwater (stormwater facilities, drainage, erosion control, etc.) | 10.61% 7 | 4.55% 3 | 7.58% 5 | 7.58% 5 | 1.52% 1 | 6.06% 4 | 33.33% 22 | 16.67% 11 | 9.09% 6 | 1.52% 1 | 1. |
| Utilities (sewer, water, power, etc.) | 15.15% 10 | 6.06% 4 | 6.06% 4 | 1.52% 1 | 9.09% 6 | 3.03% 2 | 3.03% 2 | 36.36% 24 | 13.64% 9 | 1.52% 1 | 4. |
| Right-of-Way Development (planter strips, medians, | 1.52% 1 | 6.06% 4 | 7.58% 5 | 3.03% 2 | 4.55% 3 | 3.03% 2 | 6.06% 4 | 4.55% 3 | 46.97% 31 | 15.15% 10 | 1. |

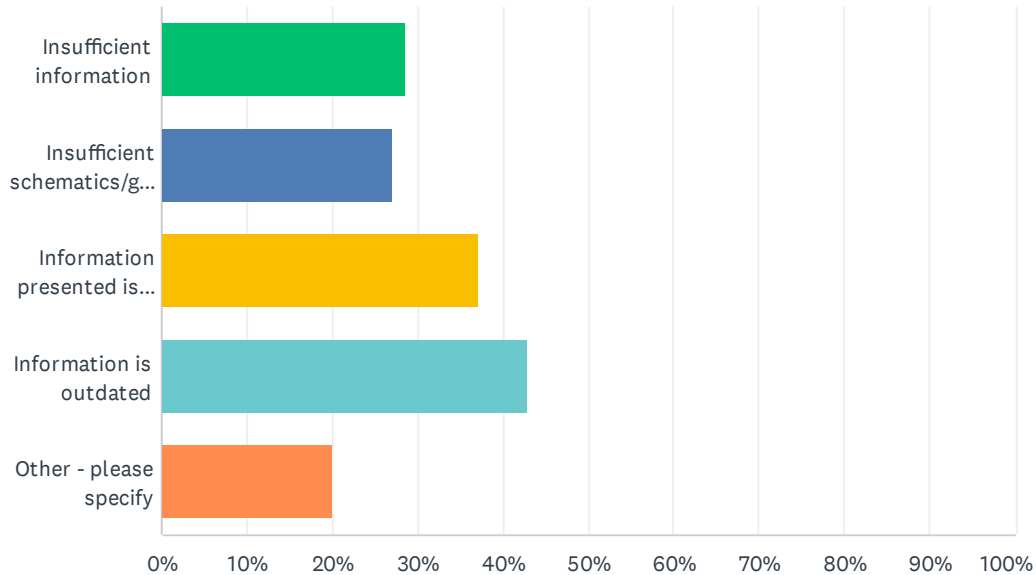
Marion County Engineering Standards Update

vegetation, non-paved areas, etc.)

| | | | | | | | | | | | |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------|-----|
| Roadside Design (guardrail, mailboxes, etc.) | 0.00% 0 | 4.55% 3 | 1.52% 1 | 1.52% 1 | 4.55% 3 | 4.55% 3 | 1.52% 1 | 3.03% 2 | 4.55% 3 | 60.61% 40 | 13. |
| Structures (culverts, walls, bridges, stairs, etc.) | 7.58% 5 | 7.58% 5 | 1.52% 1 | 1.52% 1 | 1.52% 1 | 7.58% 5 | 6.06% 4 | 3.03% 2 | 3.03% 2 | 0.00% 0 | 60. |

Q14 What are the main challenges (e.g., format, style, level of detail, outdated) you have with the current Engineering Standards

Answered: 70 Skipped: 132



| ANSWER CHOICES | RESPONSES |
|--|-----------|
| Insufficient information | 28.57% 20 |
| Insufficient schematics/graphics/details | 27.14% 19 |
| Information presented is unclear | 37.14% 26 |
| Information is outdated | 42.86% 30 |
| Other - please specify | 20.00% 14 |
| Total Respondents: 70 | |

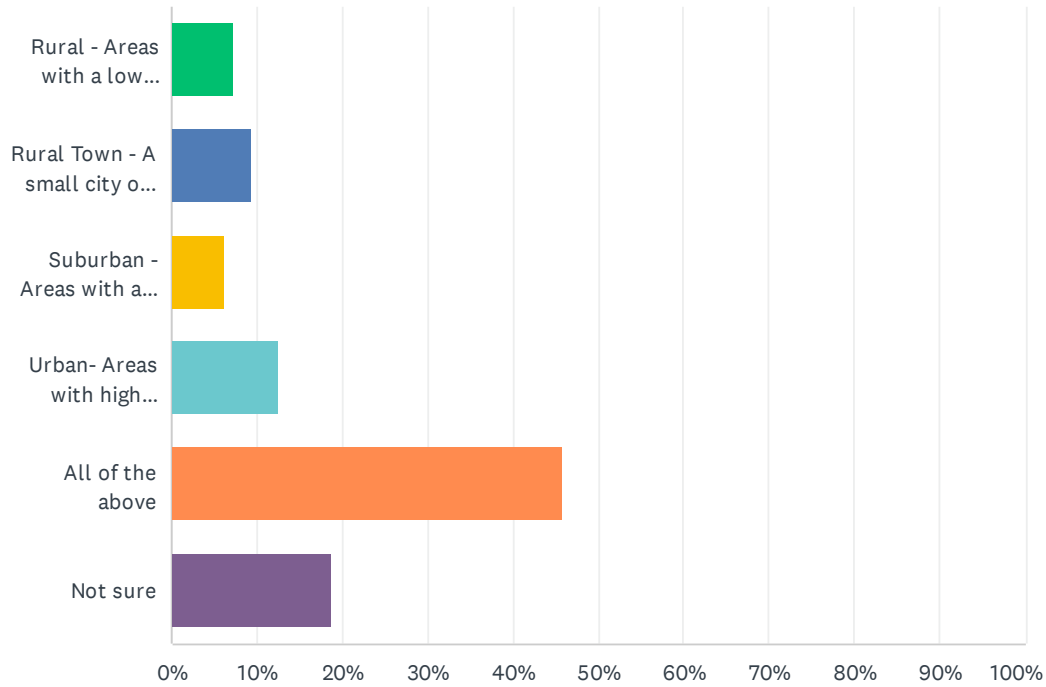
| # | OTHER - PLEASE SPECIFY | DATE |
|---|--|---------------------|
| 1 | I have not been involved with the Engineering Standards. | 11/14/2023 4:19 PM |
| 2 | They don't consider integration with overlapping jurisdictions very well | 11/14/2023 10:37 AM |
| 3 | Inconsistent and more strict than neighboring counties | 11/14/2023 7:32 AM |
| 4 | getting ahold of a person when on job site and need help | 11/13/2023 4:44 PM |
| 5 | You make us place poles too far from the road for much of the existing ROW widths. | 11/13/2023 4:36 PM |
| 6 | flow of information such as building plans. We are required to pick these up in person. would like to see these electronically shared. I am not sure this is really an engineering issue though? | 11/13/2023 4:35 PM |
| 7 | Too much info. | 11/2/2023 6:11 AM |
| 8 | Arbitrary restrictions like requiring a pole replacement to be further from the road than existing poles along the same road shoulder. | 11/1/2023 12:32 PM |

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| | | |
|----|---|--------------------|
| 9 | Standards are outdated | 11/1/2023 12:25 PM |
| 10 | Scope of Requirements, I was born 100 years too late. | 11/1/2023 11:00 AM |
| 11 | PGE is frequently asked to exit public ROW with new conduits; however, I am unable to locate any such standard. | 11/1/2023 9:34 AM |
| 12 | blanket coverages, to much information ,random picking and choosing where and what standards are applied | 11/1/2023 8:12 AM |
| 13 | schedules and adequate ROW | 11/1/2023 8:06 AM |
| 14 | They are outdated but they are easy to use vs other jurisdictions | 11/1/2023 7:39 AM |

Q15 What area type do you think should be prioritized for the updated Engineering Standards?

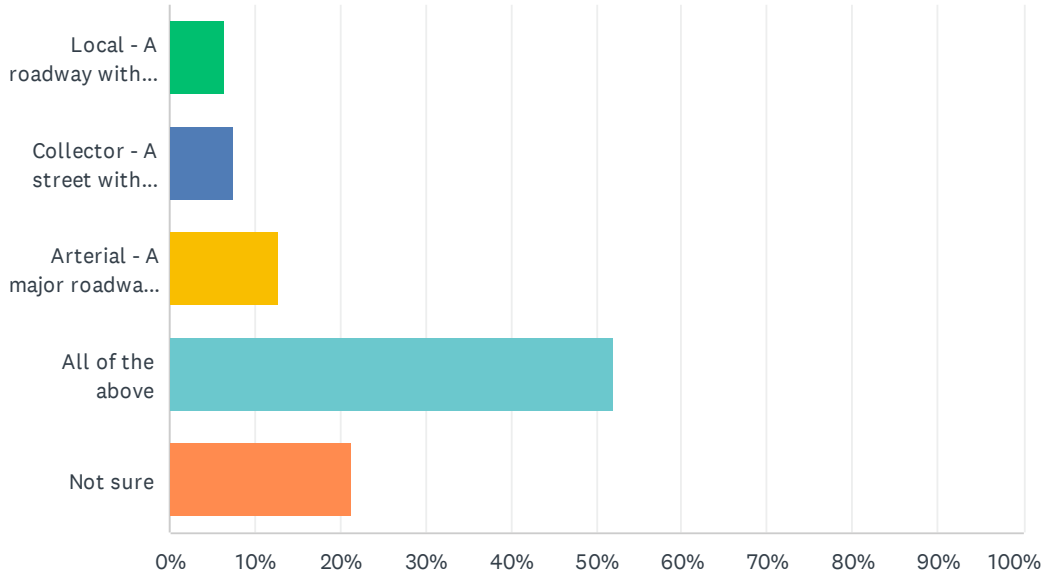
Answered: 96 Skipped: 106



| ANSWER CHOICES | RESPONSES | |
|--|-----------|-----------|
| Rural - Areas with a low amount of development, including only few houses or structures (widely dispersed or no residential, commercial, and industrial uses), and there are usually large distances between the buildings and roadways. | 7.29% | 7 |
| Rural Town - A small city or town surrounded by rural area. A Rural Town may include a commercial main street, potential for on-street parking and sidewalks, and small distances between the buildings and the roadway. | 9.38% | 9 |
| Suburban - Areas with a medium amount of mixed development such as mixed-use town centers, commercial corridors, and residential areas), and varied distances between buildings and the roadway. | 6.25% | 6 |
| Urban- Areas with high amounts of development, mixed land uses and prominent destinations, potential for some on-street parking and sidewalks, and distances between the buildings and roadways may be smaller. | 12.50% | 12 |
| All of the above | 45.83% | 44 |
| Not sure | 18.75% | 18 |
| TOTAL | | 96 |

Q16 What roadway types should be prioritized for the updated Engineering Standards?

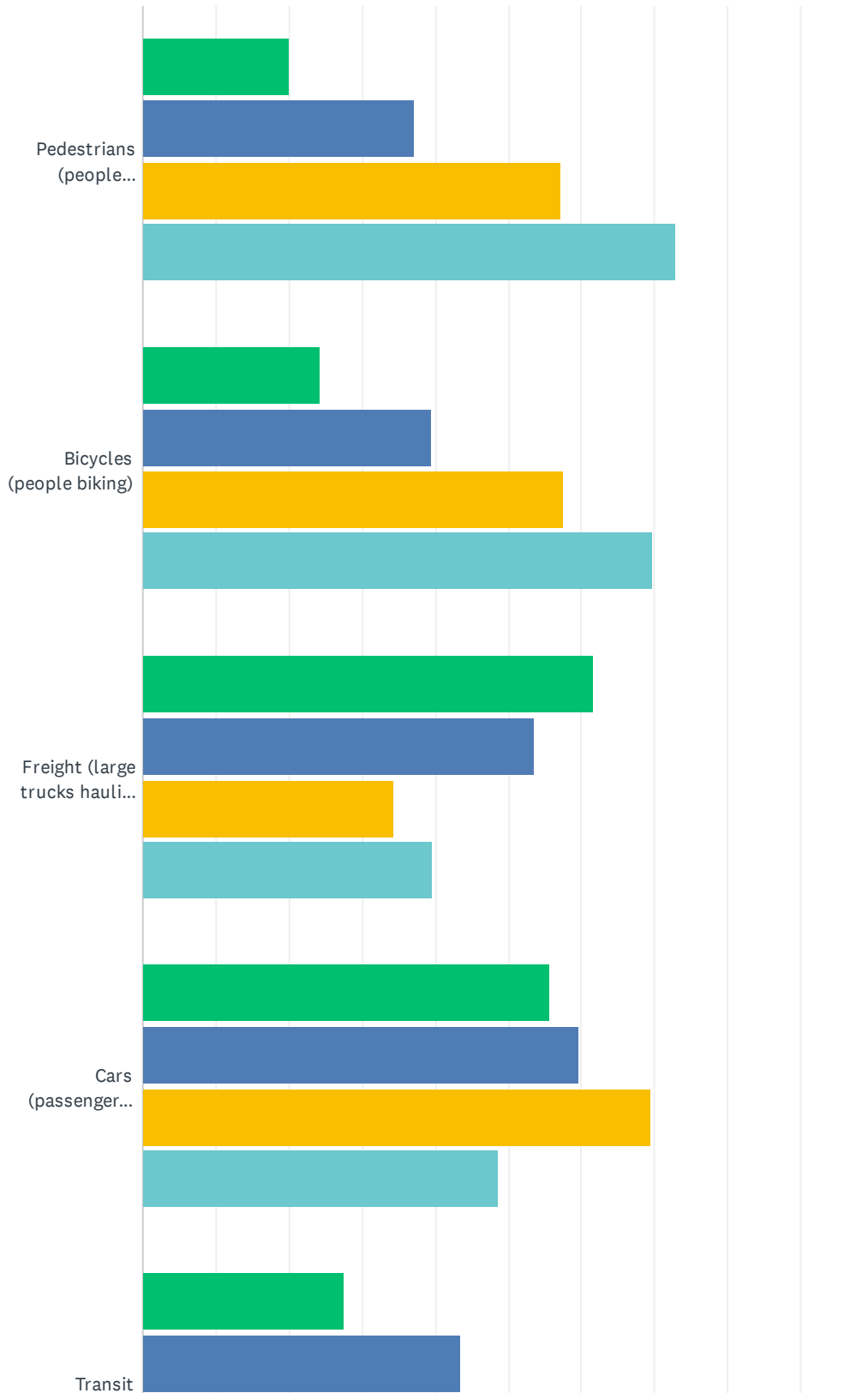
Answered: 94 Skipped: 108



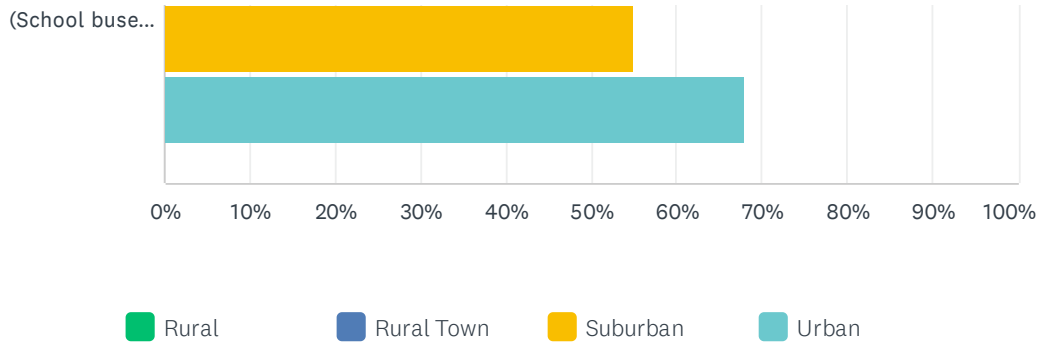
| ANSWER CHOICES | RESPONSES | |
|---|-----------|-----------|
| Local - A roadway with low traffic volume and low-speed that provides access to individual properties, such as homes, businesses, and institutions. | 6.38% | 6 |
| Collector - A street with medium traffic volume that collects traffic from local streets and directs it towards larger roadways (i.e., arterials). They are usually located within residential or commercial areas. | 7.45% | 7 |
| Arterial - A major roadway with higher volumes that typically run through urban and suburban areas. | 12.77% | 12 |
| All of the above | 52.13% | 49 |
| Not sure | 21.28% | 20 |
| TOTAL | | 94 |

Q17 Which mode do you think should be prioritized in each area? You can select more than one

Answered: 80 Skipped: 122



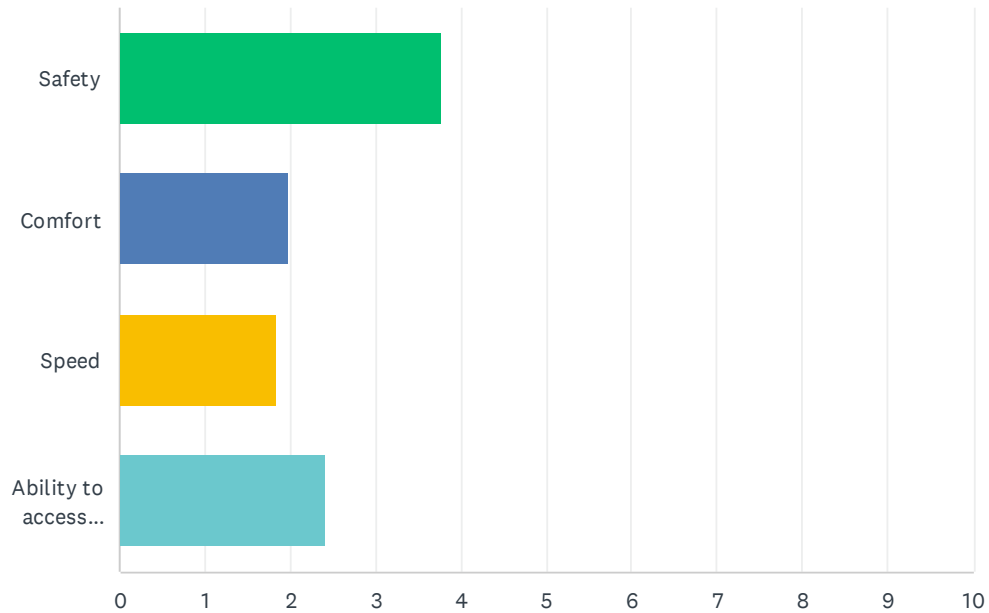
Marion County Engineering Standards Update



| | RURAL | RURAL TOWN | SUBURBAN | URBAN | TOTAL RESPONDENTS |
|--------------------------------------|--------------|--------------|--------------|--------------|-------------------|
| Pedestrians (people walking) | 20.00% 14 | 37.14% 26 | 57.14% 40 | 72.86% 51 | 70 |
| Bicycles (people biking) | 24.24% 16 | 39.39% 26 | 57.58% 38 | 69.70% 46 | 66 |
| Freight (large trucks hauling goods) | 61.64% 45 | 53.42% 39 | 34.25% 25 | 39.73% 29 | 73 |
| Cars (passenger cars) | 55.56% 40 | 59.72% 43 | 69.44% 50 | 48.61% 35 | 72 |
| Transit (School buses, city buses) | 27.54% 19 | 43.48% 30 | 55.07% 38 | 68.12% 47 | 69 |

Q18 How do you think Marion County should prioritize the following roadway attributes for non-motorized users (pedestrian, bicycles)? Rank with 1 being most important priority

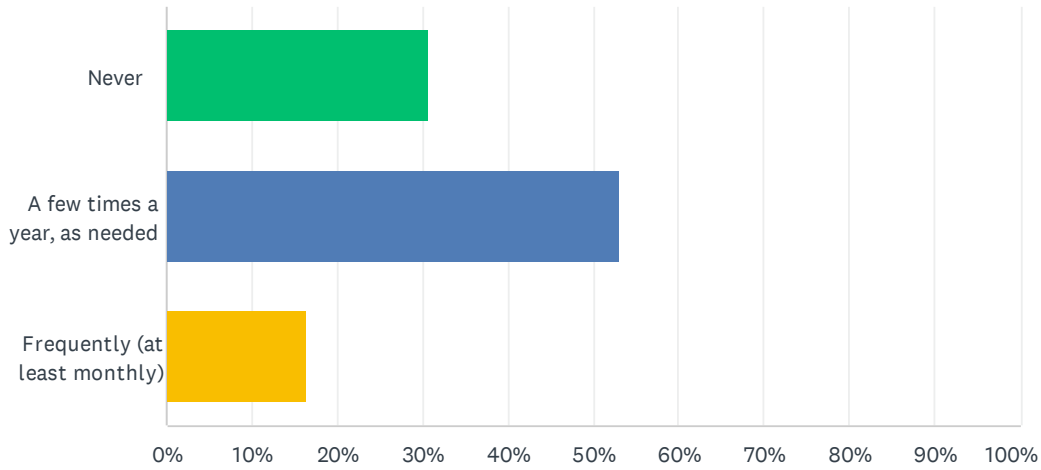
Answered: 73 Skipped: 129



| | 1 | 2 | 3 | 4 | TOTAL | SCORE |
|--------------------------------|--------------|--------------|--------------|--------------|-------|-------|
| Safety | 80.82% 59 | 16.44% 12 | 2.74% 2 | 0.00% 0 | 73 | 3.78 |
| Comfort | 4.11% 3 | 19.18% 14 | 47.95% 35 | 28.77% 21 | 73 | 1.99 |
| Speed | 5.48% 4 | 17.81% 13 | 31.51% 23 | 45.21% 33 | 73 | 1.84 |
| Ability to access destinations | 9.59% 7 | 46.58% 34 | 17.81% 13 | 26.03% 19 | 73 | 2.40 |

Q19 Have you ever used the Marion County Standard Details?

Answered: 98 Skipped: 104



| ANSWER CHOICES | RESPONSES | |
|-------------------------------|-----------|-----------|
| Never | 30.61% | 30 |
| A few times a year, as needed | 53.06% | 52 |
| Frequently (at least monthly) | 16.33% | 16 |
| TOTAL | | 98 |

Q20 What standard details do you find the most helpful (provide standard titles)?

Answered: 19 Skipped: 183

| # | RESPONSES | DATE |
|----|--|---------------------|
| 1 | Standard Utility Location for Urban Streets | 11/14/2023 6:28 PM |
| 2 | right of way utilities | 11/14/2023 10:37 AM |
| 3 | all details | 11/14/2023 8:07 AM |
| 4 | Roadway Standards | 11/14/2023 7:42 AM |
| 5 | I consult the Typical Roadway cross sections the most often, and the curb return/curb ramp details | 11/13/2023 5:36 PM |
| 6 | All | 11/13/2023 4:33 PM |
| 7 | planning | 11/13/2023 4:28 PM |
| 8 | Streets | 11/13/2023 10:00 AM |
| 9 | Pavement Patching | 11/2/2023 12:48 PM |
| 10 | Typical Street sections | 11/1/2023 4:31 PM |
| 11 | The updated stormwater standards. | 11/1/2023 12:25 PM |
| 12 | N/A | 11/1/2023 10:58 AM |
| 13 | blank inlay | 11/1/2023 10:18 AM |
| 14 | Public Works Engineering Standards | 11/1/2023 8:49 AM |
| 15 | Stormwater Quality Treatment Standards | 11/1/2023 8:17 AM |
| 16 | civil prints | 11/1/2023 8:12 AM |
| 17 | None | 11/1/2023 7:44 AM |
| 18 | difficult to answer. | 11/1/2023 6:29 AM |
| 19 | All standard with details and plan. | 10/31/2023 6:42 PM |

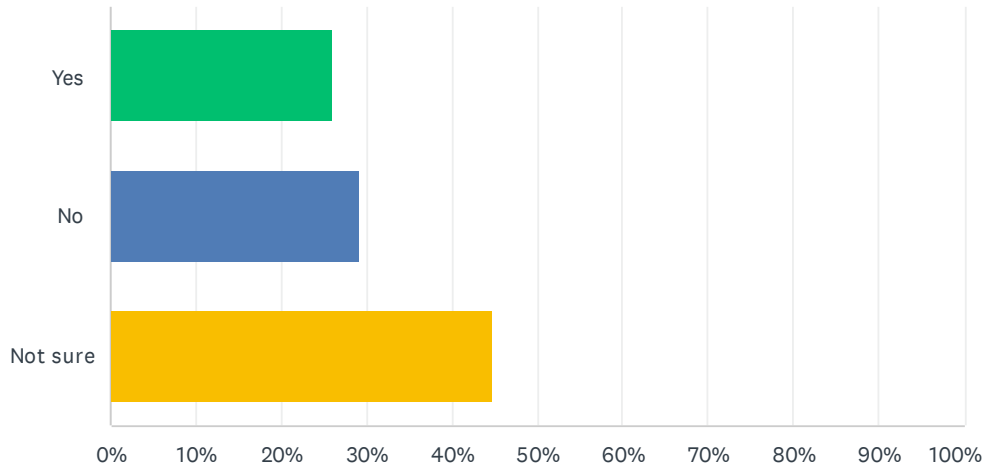
Q21 What additional standard details would you like to see added?

Answered: 7 Skipped: 195

| # | RESPONSES | DATE |
|---|--|--------------------|
| 1 | To many to mention | 11/7/2023 7:56 AM |
| 2 | Various Signs - Street Name, Intersection Street Names | 11/3/2023 8:01 AM |
| 3 | Traffic Series | 11/2/2023 10:25 AM |
| 4 | Existing infrastructure that has been in place for several years without issue cannot be deemed a hazard and forcibly removed without overwhelming justifying cause. | 11/1/2023 12:34 PM |
| 5 | More standards deleted or removed that have been hijacked from the ODOT bible that they themselves don't even use anymore | 11/1/2023 8:16 AM |
| 6 | It would be nice to have some standard structural details (small bridge, walls, etc) | 11/1/2023 7:40 AM |
| 7 | none | 11/1/2023 7:03 AM |

Q22 Do you understand Marion County’s design exception process?

Answered: 96 Skipped: 106



| ANSWER CHOICES | RESPONSES | |
|----------------|-----------|-----------|
| Yes | 26.04% | 25 |
| No | 29.17% | 28 |
| Not sure | 44.79% | 43 |
| TOTAL | | 96 |

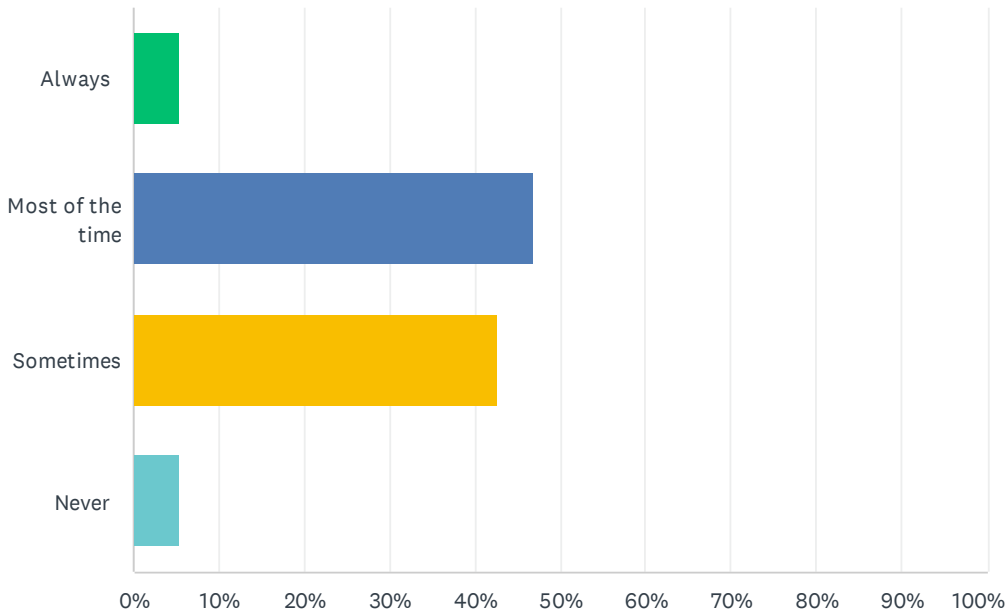
Q23 What parts of the design exception process are unclear to you?

Answered: 14 Skipped: 188

| # | RESPONSES | DATE |
|----|--|--------------------|
| 1 | Have not used | 11/14/2023 6:28 PM |
| 2 | Never used it so I am not familiar with it. | 11/14/2023 9:29 AM |
| 3 | How to get a design exception when utility poles cannot safely be placed outside of the 10.5' safety zone | 11/14/2023 7:15 AM |
| 4 | My understanding is that design exceptions are very hard to have approved so I haven't even looked at what it takes. | 11/13/2023 5:37 PM |
| 5 | I have seen this document for this fist time, just now after clicking on the provided link. | 11/13/2023 4:36 PM |
| 6 | Never Used it | 11/13/2023 4:33 PM |
| 7 | I generally receive a plan that has been taken through the design process by an engineer or designer/architect before I get involved | 11/2/2023 9:20 AM |
| 8 | ALL! | 11/2/2023 6:12 AM |
| 9 | I've never had to use a design exception in Marion county. | 11/1/2023 12:33 PM |
| 10 | All of it. Never needed it. | 11/1/2023 12:14 PM |
| 11 | Unsure when this is used by utilities. | 11/1/2023 9:35 AM |
| 12 | I don't know them | 11/1/2023 8:06 AM |
| 13 | I don't have any experience with the design expectation process. | 10/31/2023 8:40 PM |
| 14 | Na | 10/31/2023 6:43 PM |

Q24 Do Marion County’s design standards and design exception processes allow sufficient flexibility to plan for and design roadways that meet local goals and needs?

Answered: 94 Skipped: 108



| ANSWER CHOICES | RESPONSES | |
|------------------|-----------|-----------|
| Always | 5.32% | 5 |
| Most of the time | 46.81% | 44 |
| Sometimes | 42.55% | 40 |
| Never | 5.32% | 5 |
| TOTAL | | 94 |

Q25 Please tell us about situations where would you like Marion County to provide for additional flexibility for design exceptions?

Answered: 22 Skipped: 180

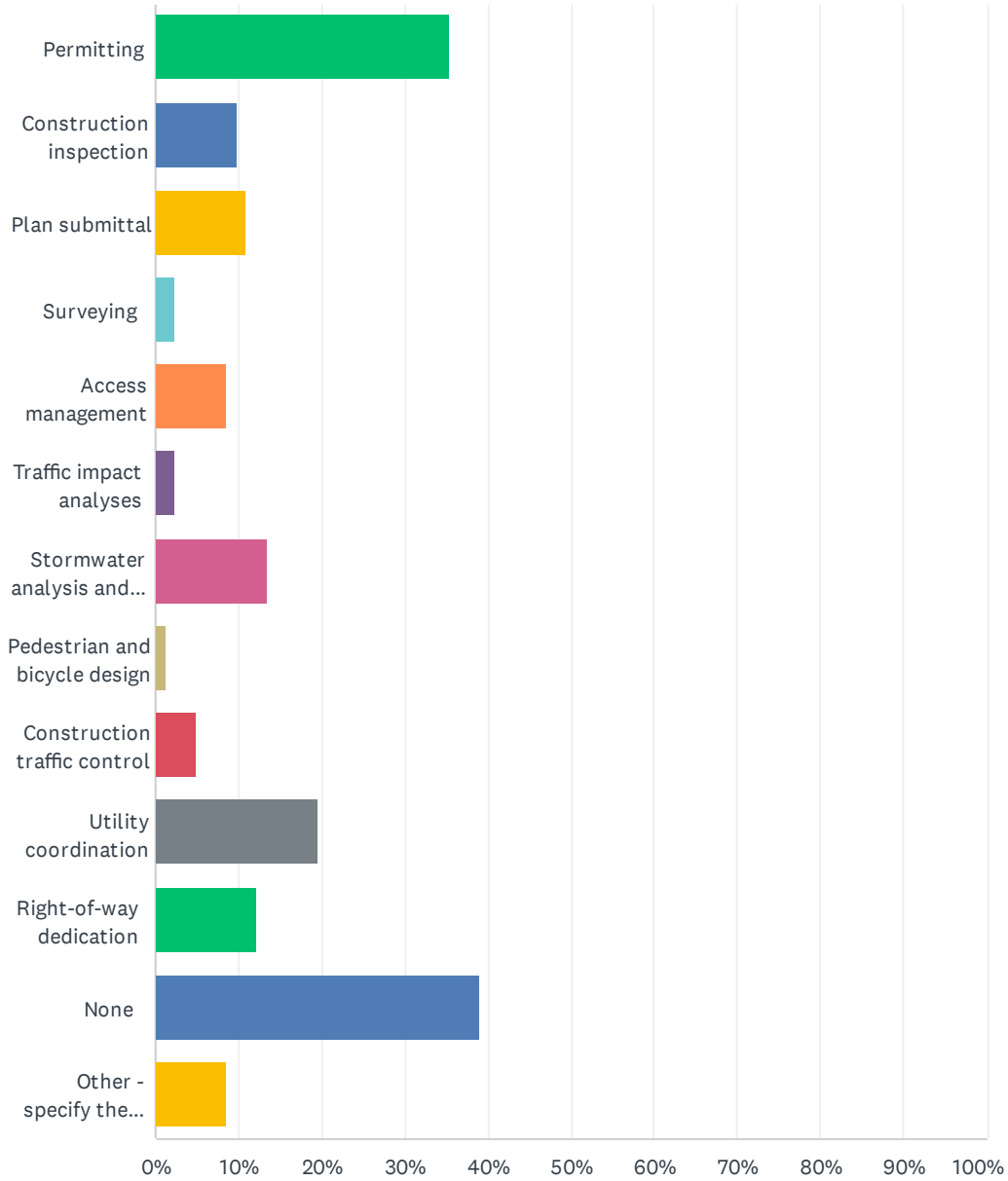
| # | RESPONSES | DATE |
|----|---|--------------------|
| 1 | Underground co location and location of utilities | 11/14/2023 6:29 PM |
| 2 | My response to #17 isn't truthful. There should have been an I don't know" choice. I don't use the standards because they are outdated or incomplete. This survey forces an answer without a "null" response choice. | 11/14/2023 9:32 AM |
| 3 | LDEP needs to understand design need alongside rules. The focus on rules limits engineering practice. | 11/14/2023 9:21 AM |
| 4 | When replacing a single pole often times placing the replacement pole outside of the 10.5' safety zone creates heavy strain on a pole creating a potentially unsafe condition and angering property owners with placement of anchors in front of their homes. The placement of an anchor also creates another potential hazard that may be struck by a vehicle, negating the purpose of the safety zone. The design practice in my opinion should be reserved for runs of multiple poles to enhance safety and practicality for the utility and Marion County stakeholders. | 11/14/2023 7:20 AM |
| 5 | communicate better with contractors | 11/13/2023 4:45 PM |
| 6 | I need to spend more time with the newly discovered document. I was sent this link to fill out the survey, but I do not have the time today to read and understand the exceptions doc. | 11/13/2023 4:38 PM |
| 7 | follow some common sense and spirit of the rule. help find yes and avoid the no | 11/13/2023 4:29 PM |
| 8 | Less is more. | 11/2/2023 6:12 AM |
| 9 | I believe having a design professional that is well experienced in the design process from both perspectives, private development and jurisdictional review. That is a big order wish list. | 11/1/2023 4:33 PM |
| 10 | Process appears to be very ridged in format and hard to address unusual or unique situations. | 11/1/2023 3:23 PM |
| 11 | Whenever existing infrastructure had been in place for several years without issue and needs any kind of retroactive repair or work. | 11/1/2023 12:37 PM |
| 12 | Fences in the special setback when the roadway is built out including sidewalks. | 11/1/2023 12:15 PM |
| 13 | every other county just wants 1' lifts 3/4- rock with jumping jack works but you guys want compaction test 95% a jumping jack cant get it onlt gets 92 or 94 if your doing a 6" lifts. a 1' trench ? hoe pack wont fit so your left with cdf and plates you have to haul out take another day. no other countys around require a compaction test that I work in and we havent had anything sink . | 11/1/2023 10:30 AM |
| 14 | Clear direction on ROW use for UG utilities. Having PGE approved designs for new customers being changed by County employees to ask for UG utilities to exit ROW immediately is very frustrating for customer, adds a cost burden on customers. | 11/1/2023 9:36 AM |
| 15 | Keep Oregon Rural, stop allowing the garbage and mosquito collectors on the sides of roadways that are never being maintained and refilled as they should be every few years, we don't have the money | 11/1/2023 8:21 AM |
| 16 | depends on work being done. do prints match real world | 11/1/2023 8:13 AM |
| 17 | I think making the standards more performance based with allowances for engineering judgement will allow designers to develop the most effective transportation projects. | 11/1/2023 8:09 AM |
| 18 | N/A | 11/1/2023 8:07 AM |
| 19 | ADA Ramps, Clear Zones | 11/1/2023 8:07 AM |
| 20 | none | 11/1/2023 7:04 AM |

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| | | |
|----|---|--------------------|
| 21 | Working with PGE | 10/31/2023 9:21 PM |
| 22 | Too much engineering involve even project are tiny. | 10/31/2023 6:44 PM |

Q26 Do you have any challenges with any of the following Marion County engineering approaches and processes?

Answered: 82 Skipped: 120



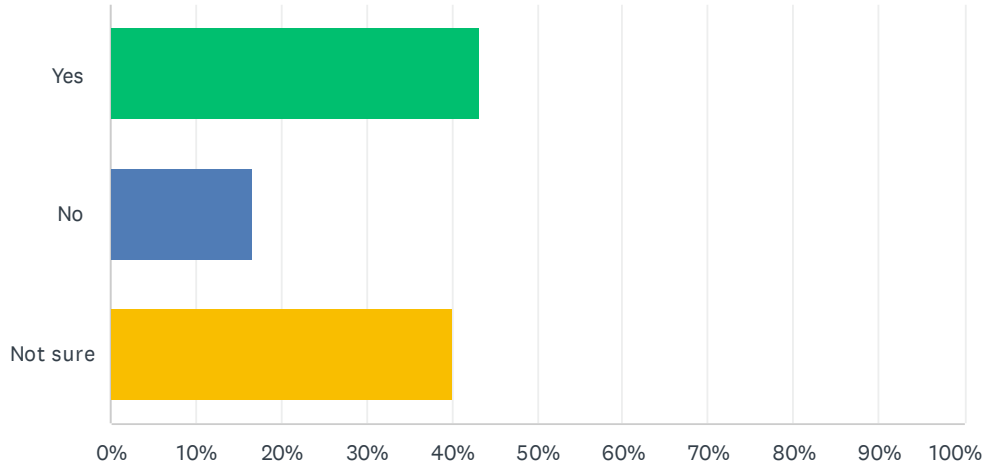
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| ANSWER CHOICES | RESPONSES | |
|--|-----------|----|
| Permitting | 35.37% | 29 |
| Construction inspection | 9.76% | 8 |
| Plan submittal | 10.98% | 9 |
| Surveying | 2.44% | 2 |
| Access management | 8.54% | 7 |
| Traffic impact analyses | 2.44% | 2 |
| Stormwater analysis and design | 13.41% | 11 |
| Pedestrian and bicycle design | 1.22% | 1 |
| Construction traffic control | 4.88% | 4 |
| Utility coordination | 19.51% | 16 |
| Right-of-way dedication | 12.20% | 10 |
| None | 39.02% | 32 |
| Other - specify the challenges with the specific process | 8.54% | 7 |
| Total Respondents: 82 | | |

| # | OTHER - SPECIFY THE CHALLENGES WITH THE SPECIFIC PROCESS | DATE |
|---|---|---------------------|
| 1 | special district integration | 11/14/2023 10:39 AM |
| 2 | Lack of time and effort spent on functionality of refuse and recycling enclosures | 11/13/2023 4:36 PM |
| 3 | Parking | 11/13/2023 4:35 PM |
| 4 | Roadside design and clear zone concepts | 11/1/2023 12:26 PM |
| 5 | One of your inspectors is very biased towards our company. We are considering legal action. | 11/1/2023 9:09 AM |
| 6 | Doesn't really apply to Capital Projects since we have our own process | 11/1/2023 8:08 AM |
| 7 | These are very minor, MC is great to work with | 11/1/2023 7:42 AM |

Q27 When Marion County is planning for or implementing a project in your area, does Marion County coordinate and collaborate with you effectively?

Answered: 90 Skipped: 112



| ANSWER CHOICES | RESPONSES | |
|----------------|-----------|-----------|
| Yes | 43.33% | 39 |
| No | 16.67% | 15 |
| Not sure | 40.00% | 36 |
| TOTAL | | 90 |

Q28 What makes coordination and collaboration successful?

Answered: 31 Skipped: 171

| # | RESPONSES | DATE |
|----|--|---------------------|
| 1 | Communication. | 11/14/2023 4:20 PM |
| 2 | Communication | 11/14/2023 12:01 PM |
| 3 | working with each other on a problem basis | 11/14/2023 8:09 AM |
| 4 | Adequate notice to the utilities before the county begins the design process. | 11/14/2023 7:44 AM |
| 5 | The willingness to work with the utility on options for location of and relocation of existing utilities. | 11/14/2023 7:04 AM |
| 6 | Clear consistent information and clear justification to the public for permitting cost | 11/13/2023 6:08 PM |
| 7 | Proper notification to neighbors and bussiness. | 11/13/2023 5:16 PM |
| 8 | Prompt communication | 11/13/2023 4:48 PM |
| 9 | When the folks that are the most affected are included in the project. | 11/13/2023 4:37 PM |
| 10 | Plan Review Coordination | 11/13/2023 10:01 AM |
| 11 | Out reach | 11/7/2023 7:58 AM |
| 12 | Early notification | 11/2/2023 12:49 PM |
| 13 | I'm an internal employee so it's easy to coordinate with all divisions. | 11/2/2023 10:27 AM |
| 14 | Traffics control | 11/1/2023 9:09 PM |
| 15 | Direct and frank discussions. | 11/1/2023 4:34 PM |
| 16 | communication and flexibility | 11/1/2023 3:24 PM |
| 17 | Understanding staff. | 11/1/2023 3:03 PM |
| 18 | competent staff, clear communication and accurate construction drawings | 11/1/2023 2:57 PM |
| 19 | Effective communication w/ identified Stakeholders | 11/1/2023 2:09 PM |
| 20 | A clear picture of the scope. | 11/1/2023 12:57 PM |
| 21 | Willingness to ask | 11/1/2023 12:16 PM |
| 22 | Communication | 11/1/2023 9:38 AM |
| 23 | Meetings. | 11/1/2023 9:36 AM |
| 24 | Communication and design flexibility | 11/1/2023 8:50 AM |
| 25 | As an internal customer we have continued to dedicate more resources to communication and collaboration in order to ensure successful project delivery and the future maintenance of the infrastructure. | 11/1/2023 8:20 AM |
| 26 | every one on same page | 11/1/2023 8:20 AM |
| 27 | Early and often | 11/1/2023 8:08 AM |
| 28 | Early engagement | 11/1/2023 8:07 AM |
| 29 | Early and often communication. | 11/1/2023 7:56 AM |
| 30 | Telephone conversations and emails | 11/1/2023 6:30 AM |
| 31 | Clear communication with sufficient time to adjust. | 10/31/2023 8:42 PM |

Q29 What could improve coordination and collaboration?

Answered: 12 Skipped: 190

| # | RESPONSES | DATE |
|----|---|---------------------|
| 1 | notification, approval of stormwater disposal, ditch and canal cleaning | 11/14/2023 10:40 AM |
| 2 | Better engagement with assigned staff to stay invested in the project. | 11/14/2023 9:34 AM |
| 3 | communication | 11/13/2023 4:45 PM |
| 4 | An email would be nice | 11/13/2023 4:37 PM |
| 5 | Getting the right information in a timely manner that is current. | 11/2/2023 1:37 PM |
| 6 | IT DEPENDS ON THE ENGINEER BUT SOME OF THEM DON'T TAKE INTO ACCOUNT UTILITY PLACEMENT OR BOTHER TO ASK BEFORE INSTALLATION | 11/2/2023 8:15 AM |
| 7 | Send notification when doing tree trimming around main fiber line routes. | 11/1/2023 12:40 PM |
| 8 | some sort of joint partner meeting letting people know of planning of projects in our area. | 11/1/2023 11:00 AM |
| 9 | More public outreach | 11/1/2023 9:53 AM |
| 10 | Having more real world experienced people that understand the results of bad standards | 11/1/2023 8:25 AM |
| 11 | Speed. The county is very slow, and in today's world, it makes it very expensive. Work better with Salem, the disconnect between the two is very frustrating. | 10/31/2023 9:22 PM |
| 12 | A timely letter | 10/31/2023 7:41 PM |

Q30 Please feel free to provide any other comments related to the Engineering Standards Update.

Answered: 17 Skipped: 185

| # | RESPONSES | DATE |
|----|---|--------------------|
| 1 | I mainly deal with ROW permits and standards involving when they're needed. Process is too convoluted and strict. | 11/14/2023 7:36 AM |
| 2 | Consider adding exceptions to the 10.5' safety zone to make it practical and safe for single pole replacements. | 11/14/2023 7:21 AM |
| 3 | None | 11/1/2023 9:09 PM |
| 4 | Coordinating with the City of Salem, Keizer, Etc. for urban standards considering many of the rural fringe areas will be annexed into the Cities down the road. | 11/1/2023 8:42 PM |
| 5 | I would recommend using a current and existing standard with a county in the pacific northwest that shares similarities. It will save you lots of time and money. Thinking a County south of Seattle. | 11/1/2023 4:36 PM |
| 6 | Please note any changes to ADA ramp specs. | 11/1/2023 12:58 PM |
| 7 | I would like to review anything related to roadside design, guardrail/barrier, structures and structural hydraulics. | 11/1/2023 12:27 PM |
| 8 | Better collaboration is needed from the Permitting department. | 11/1/2023 9:37 AM |
| 9 | storm water quality and treatment needs to be more flexible. | 11/1/2023 8:50 AM |
| 10 | adopt practical standards that allow for easy and inexpensive maintenance of all infrastructures that will fail in time it just depends on when | 11/1/2023 8:27 AM |
| 11 | I think we need to evaluate the stormwater detention / retention standards and how the calculation is performed. | 11/1/2023 8:10 AM |
| 12 | N/A | 11/1/2023 8:08 AM |
| 13 | Just happy this is finally happening | 11/1/2023 8:08 AM |
| 14 | Missing lighting details and permitting requirements. | 11/1/2023 7:56 AM |
| 15 | I just think they are outdated. Should update to current standards and laws, but no need to make them so cumbersome with one offs like several other jurisdictions. | 11/1/2023 7:43 AM |
| 16 | Good luck | 10/31/2023 8:42 PM |
| 17 | Please provide pole barn building standards with out needed hire engineering. | 10/31/2023 6:48 PM |