

Reducing Scoping Deficiencies to Improve the Delivery of Transportation Projects



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1. Problem Statement

The South Carolina Department of Transportation has developed an agency-wide Strategic Plan effective for 2018 through 2020 that will enable the agency to make great strides towards improving the condition of our state's transportation system over the next ten years. One of the goals of the Strategic Plan is to *Improve SCDOT program delivery to increase the efficiency and reliability of our road and bridge network*. A strategy that will be utilized to assist the agency with reaching this goal is to increase the reliability of delivering projects on-time and on-budget.

During the development of transportation projects, a variety of obstacles can be encountered that can delay their delivery to construction. Delayed projects can be a serious safety concern for motorists traveling the roadways that are in need of repair. The delays also tend to cause hardships for the agency from both a financial planning standpoint and a public perception standpoint. Public trust is diminished when needed transportation improvements are not implemented in the time frame that was originally committed which leads to questions regarding the judicious use of tax payers' money. Without the public's support, future funding for roadway projects could be jeopardized.

Though multiple issues can delay the development of projects, a commonly encountered issue is a scoping deficiency that occurs during the design process. A project's scope of work entails the parameters and design criteria that are to be utilized to accomplish the expected purpose and need of the project. Traditionally, general assumptions are made to establish a scope of work followed by the development of the schedule and cost estimate for the project. The requested funding is then allocated to the project to begin the design efforts.

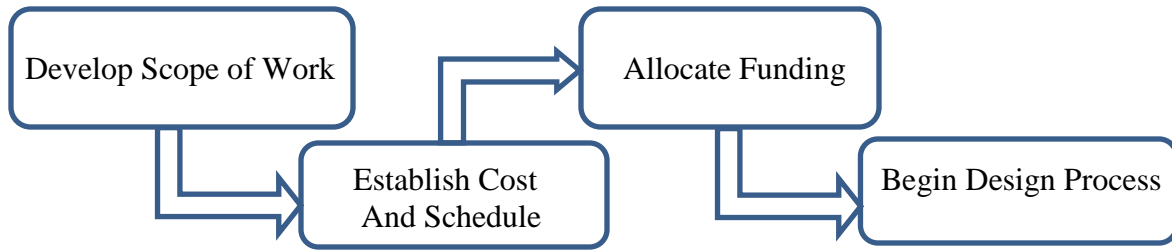


Figure 1: Project Development Process

On many occasions the project team will identify unanticipated scoping items late in the design process that must be addressed to meet the purpose and need of the project. The additional scoping items require new design efforts that not only add more time to the schedule, but they can also substantially increase the cost of the project.

The main goals of this project are to identify which scoping deficiencies commonly delay project schedules, determine the reasons that the scoping deficiencies occur, and identify strategies to reduce the occurrences of the deficiencies. By reducing scope deficiencies, the agency will be better prepared to ensure the reliability of delivering projects on-time and on-budget.

2. Data Collection

At the beginning of a federal fiscal year, a snapshot is taken of the planned funding that will be necessary to proceed with certain phases of work during the year (i.e. preliminary engineering, right of way acquisitions, or construction). The date that a particular phase of work is anticipated to start is referred to as the original obligation date. The original obligation date is usually established by the program manager before any design efforts begin on the project. Before the project team is permitted to perform any work on a specific phase of a project, funding must be officially authorized to cover the expenditures for that particular phase of work.

The date that the funding is allocated to a particular phase of the project is referred to as the authorization date.

The intent of the first set of data collection for this project was to identify the causes for delays in the delivery of projects to the construction phase of work. A request was submitted to the agency's Director of Program Controls to obtain a list of the projects that have been delayed over the last three years. The data that was returned consisted of multiple Excel spreadsheets that contained projects' original obligation dates and final authorization dates for federal fiscal years 2016 through 2018.

The main spreadsheet that was utilized for this analysis contained a list of all project phases whose authorization dates differed from the original obligation dates. The difference in dates reflects that there was a change made to the project's schedule. For many projects, the spreadsheet contained multiple entries for the same phase of work due to the schedule changing more than one time for the phase of work. To avoid assessing duplicate entries, the latest date to which the phase of work was moved was used for the analysis, and all other entries were deleted. Once the duplicate entries were removed from the spreadsheet, the differences between authorization and obligation dates were calculated for each remaining entry, as shown in Appendix 1. The calculations that resulted in a difference of less than ninety days were removed from consideration as they are not considered substantial changes.

To officially change a project's schedule, the program manager will submit a request in the Project Programming System (P2S) to move the phase to a new date that the work is anticipated to start. A written justification for the delay is entered into a text box that accompanies the request in the system. Running a report to retrieve the justifications from P2S would be problematic because it would pull substantially more data than would be necessary for

this analysis. Therefore, each entry in the spreadsheet was independently reviewed in P2S to obtain the justification for the changes in schedule.

The second set of data that was retrieved for this project was collected from the results of a survey that was developed using Survey Monkey, an online survey development software. The survey, shown in Appendix 2, was issued to all program managers in the agency to gain an understanding of the processes that are currently being utilized to develop the scopes of work for projects. The survey contained ten questions regarding scoping meetings, the development of schedules and budgets, and experiences with scoping deficiencies.

The third set of data that was obtained for this project was information regarding other state Departments of Transportations' processes that are being used to develop the scopes of work for transportation projects. An email was sent to representatives from the North Carolina Department of Transportation (NCDOT), the Georgia Department of Transportation (GDOT), and the Florida Department of Transportation (FDOT) explaining the purpose of this project along with a request to share any processes or forms that they utilize to develop scopes of work for standard projects.

FDOT immediately provided an email response to the request and shared links to their website which detail their scoping development process. NCDOT provided a response which contained a template that they utilize for developing scopes of work and a spreadsheet containing contact information for individuals that should be consulted during the scoping process. No response was received from GDOT.

3. Data Analysis

The P2S spreadsheet containing the phases of work that were substantially delayed over the three year time frame contained 495 entries that were analyzed. The delays that were evaluated ranged from 90 days to just over 1700 days. The analysis determined that there were eight major obstacles that delayed projects from advancing to the construction phase of work. Table 1 reflects the frequency of those obstacles:

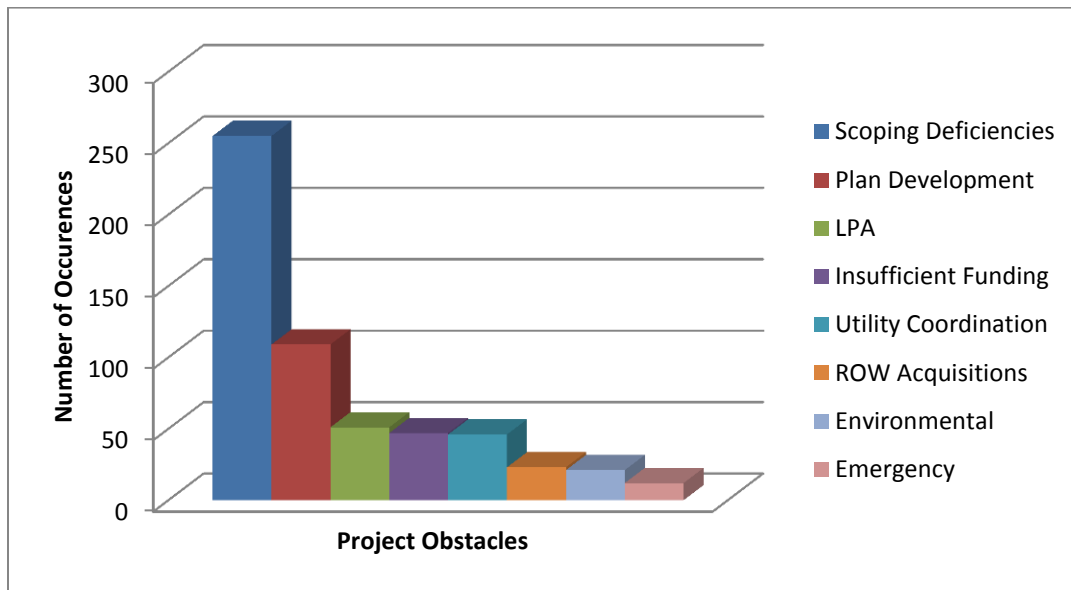


Table 1. Obstacles that Change Projects' Schedules Between FY 2016 and FY 2018

The analysis reflects that 45% of the schedule delays that occurred over the last three years are due to scoping deficiencies. Scoping deficiencies were defined as any modifications that occurred to the original parameters or design criteria established to meet the purpose and need of the project. The frequency of the occurrences of the remaining obstacles are as follows: complications with the development of the plans 19%, insufficient funding availability 8%, projects managed by a local public agency (LPA) 9%, complications with utility coordination 8%, complications with right-of-way acquisitions 4%, complications with environmental permitting 4%, and emergency conditions such as hazardous weather 2%.

With scoping deficiencies being the primary cause for project delays, further analysis was warranted to determine if there are common reasons that deficiencies occur. Shown below in Table 2 are the common reasons that scoping deficiencies have delayed project schedules over the last three years:

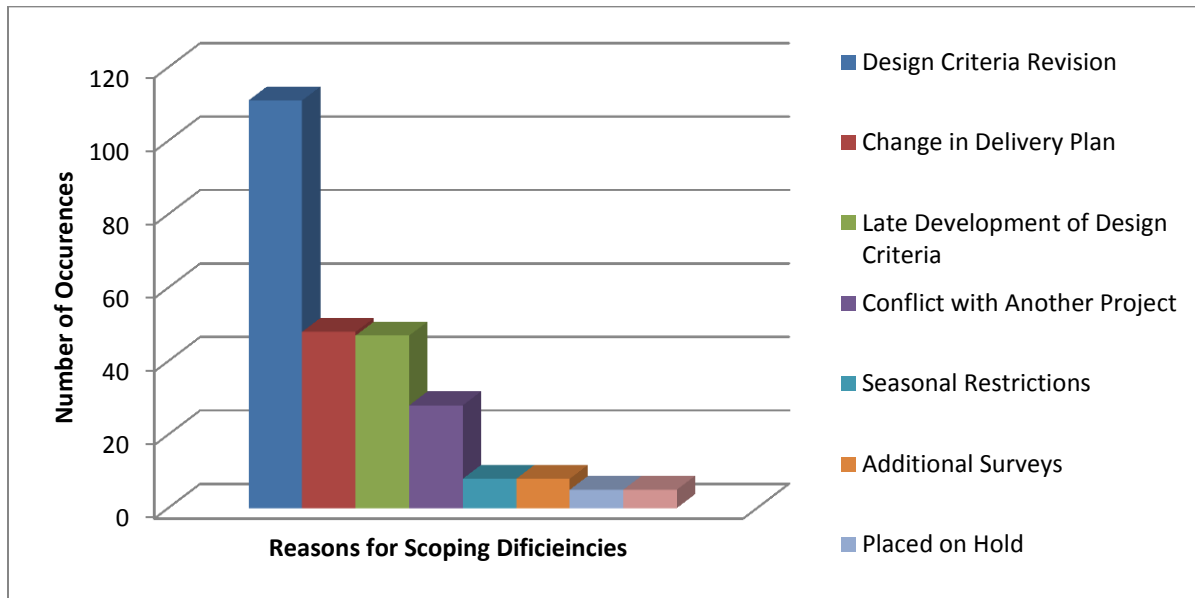


Table 2. Reason for Scoping Deficiencies that Occurred between FY 2016 and FY 2018

The most common reason for a scoping deficiency to occur was an alteration to the design elements. Design element alterations accounted for 43% of the deficiencies and included a variety of justifications such as modifying the project limits, reducing design elements to minimize right-of-way and environmental impacts, and modifying design elements to reduce construction costs. Identifying the types of design elements that were altered proved to be somewhat problematic because the data could only be obtained from the comments that were entered into P2S by the program managers. Unfortunately many comments only provided general descriptions of the reason for the delays, so the analysis was unable to consistently pinpoint the exact design element that changed.

The next two common reasons for deficiencies were delayed development of the design elements and changing the design delivery plan late in the design phase, both of which occurred 18% of the time. The design delivery plan identifies whether the agency's staff or consultants will perform the preliminary engineering work for a project. Approximately 11% of the deficiencies involved delaying the projects due to an overlap with another project in close proximity. The following deficiencies each had less than a 5% occurrence: delays due to seasonal restrictions, addition or removal of a right-of-way phase of work, the projects were placed on hold by outside entities, and delays due to the need for additional surveys.

A second collection of data was gathered from the results of a survey that was created to obtain information regarding the agency's scoping processes. Since program managers are typically responsible for developing the scopes of work for projects, the survey was issued to thirteen program managers within the agency. Twelve of the program managers provided responses to the survey. The majority of the responders had more than five years' experience in a program management position, and all responders had held a scoping meeting for a project which they had managed. This data reflects that the responders have some level of familiarity with the development of the scope of work for a project.

Of the twelve responders, only two individuals stated that they typically hold scoping meetings before any obligation dates are set. This response means that 84% of all projects have an established schedule before the design team has developed a thorough scope of work. The survey results also revealed that there are drastic inconsistencies when it comes to the preparation for scoping meetings. There is no standard set of data that is obtained prior to holding the meeting, nor is there a standard list of individuals that are invited to the meeting. Without obtaining the necessary expertise and relevant project data, flawed design assumptions

may be made resulting in the need to redesign components of the project late into the design process.

The intent of several survey questions was to identify the party responsible for developing the purpose and need, schedules, and costs for transportation projects. Though not all responses were the same, the majority of the feedback stated that the program managers are responsible for developing this key information. Since program managers are not typically experts in all areas of the project development process, it is imperative that they have enough relevant data and involvement from project stakeholders and design experts to establish realistic project schedules and budgets.

The survey also asked the participants to provide a list of the scoping deficiencies that have delayed the schedules for their projects. The responses to this question were consistent with the data that was obtained from the P2S spreadsheet that was used in this project. Several individuals responded that scope creep was the primary cause for delay. Scope creep is the unanticipated increase of work that is required to complete a project. Many times scope creep occurs from not identifying all of the necessary information prior to beginning design efforts on the project. The missing information includes design recommendations from all relevant divisions, buy-in from project stakeholders outside of the agency, and costs for the recommended scope of work.

The last action that was taken in order to obtain data to support this project was to request information from other state DOT's regarding the processes they utilize to develop the scopes of work for standard transportation projects. Of the three states that were contacted, two provided information regarding their scoping processes. FDOT promptly returned an email to the request containing links to websites that explain their scoping process. Upon initial review of the

websites, their agency appears to utilize a very elaborate, well-defined system when developing the scopes of work. They have developed a clear set of instructions that walks the project development team through the entire process. They also utilize a customized software system that aids in the screening process that will ultimately produce a document that details the scope of work to be performed on a project. The information provided by FDOT should be a goal that SCDOT strives towards achieving in the future. However, scoping software is beyond the limitations of this project due to the funding and staffing that would be necessary to develop and maintain the program.

NCDOT is currently undergoing a restructuring which has transferred the responsibility of scope development to staff that does not typically perform this work. Therefore, the new staff is in the process of establishing a process to develop scopes of work for projects. However, one tool NCDOT utilizes that would also be beneficial to SCDOT is a spreadsheet that maintains the contact information for all project stakeholders and design experts that need to participate in the scoping process. Having this spreadsheet available would greatly assist the design team with ensuring that all necessary individuals are consistently invited to participate in this activity.

4. Implementation Plan

To ensure transportation projects managed by SCDOT are delivered on-time and on-budget, the agency should utilize a standard process for developing the scope of work. The process should include developing the scope of work prior to establishing the schedules and budgets for the projects, maintaining a standard list of individuals that need to participate in the scoping process, and utilizing a standard document to retain the relevant data that is used to develop an accurate scope of work.

Since the initiation of this project, the agency's Planning division has created a new position for a Feasibility Report Manager that will be responsible for developing feasibility studies for all future projects. The feasibility studies will ultimately replace the standard scoping meetings and will allow the agency to develop scopes of work, schedules, and budgets prior to the projects entering the design phase of work. The study will allow the project team to determine if the project is viable as proposed or if the scope of work needs to change in order to meet the purpose and need or financial constraints of the project. The Feasibility Report Manager will be responsible for developing the procedure for the new process with the buy-in from all agency divisions that will participate in the study. The procedure for conducting this study will be developed, tested, and implemented prior to the approval of new projects in federal fiscal year 2020. Therefore the intent of this project has been transformed from assisting program managers with a defined process for developing accurate scopes of work to assisting the Feasibility Report Manager with the implementation of the new feasibility study process.

Since the feasibility study will not include any new software, the cost of implementing this new process will only include the salary of a new position for the Feasibility Report Manager. The expenditures incurred from conducting the study will be applied to a planning phase of work for each project being studied. However, the planning phase of work should not increase the overall cost of a project, because data collected for the feasibility study will no longer need to be collected during the preliminary engineering phase of work.

To assist with the development of the feasibility report, a standard form should be utilized to ensure that pertinent information is consistently obtained for each project. As part of the responses that were received from the online survey, only one Program Manager provided a standardized form that is utilized when conducting scoping meetings. The form contained a

substantial amount of relevant project information which became the foundation of the new scoping form. However, the obstacles that were identified in this project as being the typical causes for delaying schedules were added to the form to ensure the relevant data isn't omitted in the future.

An example of the form is attached in Appendix 3. This form should be evaluated by the Feasibility Report Manager and tested on multiple projects in order to determine if the information on the form is all encompassing and relevant. The example provided in this report applies only to intersection improvement projects. Separate reports should be generated for the different types of transportation projects such as enhancements, bridge replacements, widenings, etc. to account for the data that is relevant to those specific projects.

One of the main obstacles that will be faced with implementing this new process is obtaining the relevant project information from all participating divisions within the agency in a timely manner. As the agency's workload rises, it will be increasingly difficult for all divisions to set aside the time to participate in this process. Also, the agency is experiencing a constant flux in staffing, so the experience that is necessary in order to develop an accurate scope of work may not always be available. To overcome these obstacles, it will be imperative that there is ample buy-in from all agency divisions concerning the development and implementation of this process. The message needs to be clearly communicated that the intent of this process will reduce the occurrence of scoping deficiencies which ultimately allows all divisions within the agency to operate more efficiently. Also all division directors will need to concur with the new process and provide assurance that their staff will provide the necessary assistance to make this new process a success.

5. Evaluation Method

Before this new scoping process can be implemented, several tests must be run to ensure the process is comprehensive and addresses all facets of project development. It is recommended that at least one project from each of the four regions of the state be tested. Several different types of projects should also be tested during this trial period. This method of testing will provide the most opportunity for staff to provide feedback on the process. Once the majority of the participants have concurred with a defined scoping process, the process will need to be utilized for all new projects starting in federal fiscal year 2020.

At the end of federal fiscal year 2020, all projects that utilized the new scoping process should be evaluated to determine the number of projects that have encountered any scoping modifications after the issuance of the feasibility study. The assessment should be completed by the Feasibility Report Manager annually to determine if the process is effective in reducing schedule delays and to evaluate if any modifications need to be made to address deficiencies in the process.

6. Summary and Recommendations

Over the last three years, many transportation projects have experienced significant delays in schedule. The majority of the delays were caused by deficiencies that occurred to the projects' scopes of work. Though there were a variety of reasons for the deficiencies, the common factor that affected all of the projects was the absence of a consistent, effective process for developing the scope of work. Without obtaining all of the necessary data prior to establishing schedules and budgets, transportation projects are more susceptible to experiencing the need for scoping alterations that delay schedules and increase costs.

In order for the agency to successfully deliver future transportation projects, a well-defined scoping process must be established. The scoping process needs to be consistent for all projects, involve all of the necessary design experts and project stakeholders, and must be conducted prior to establishing a schedule and budget for the project. At the end of the scoping process, a feasibility report will be produced which will present a scope of work that is feasible and meets the purpose and need of the project.

Appendix 1 – Project Obligation vs. Authorization Dates

ProjectID	Project Name	Work Phase	Short	Date Of Move	Original Proposed	Revised Proposed	# of Days Moved
					Obligation Date	Obligation Date	
0024011X	SC 165 Replace Br/Approx	BR		9/19/2016 14:21	9/1/2016	1/1/2018	487
0027178X	S-164 over Enoree River	RW		8/18/2016 14:46	3/1/2017	10/1/2017	214
0030285X	Railroad Avenue Extension	RD		7/28/2015 13:15	5/1/2016	1/1/2019	975
0030640X	US 17 SB Over N and S Santee River	BR		8/1/2017 11:42	12/1/2017	6/1/2018	182
0031125RD01	SC 160 (Phase II)	RD		8/17/2015 7:58	10/1/2015	3/1/2017	517
0031134X	S-32 over Little River	RD		7/23/2018 11:40	10/1/2018	8/1/2018	-61
0031268X	S-75 at US 29	BR		1/6/2017 12:55	10/1/2017	2/1/2021	1219
0031268X	S-75 at US 29	RW		1/6/2017 12:55	11/1/2016	10/1/2018	699
0031331X	S-26 over Camping Creek	BR		3/1/2016 13:35	2/1/2017	4/1/2018	424
0032629X	SC 34 over Wilson Creek	RW		7/18/2016 8:40	12/1/2016	8/1/2017	243
0032629X	SC 34 over Wilson Creek	BR		7/18/2016 8:40	6/1/2017	10/1/2018	487
0032634X	SC 34 over Norfolk Southern Railroad	RW		7/18/2016 8:42	12/1/2016	10/1/2017	304
0032634X	SC 34 over Norfolk Southern Railroad	BR		7/18/2016 8:42	6/1/2017	4/1/2019	669
0033592RD01	S-90 over CSX & Southern RR	BR		4/6/2016 8:48	8/1/2016	3/1/2019	942
0033904RD01	S-67 over Lynches River	BR		10/13/2015 10:43	1/1/2017	3/1/2016	-306
0034019RD01	SC 9 over Broad River, Broad River Canal, S-46 and S-31	BR		7/23/2015 8:39	10/1/2015	8/1/2016	305
0034067X	S-12 Con over Jefferies Creek	BR		3/15/2016 10:14	10/1/2017	4/1/2018	182
0034105RD01	City of Orangeburg RR Intersection Improvement	RD		8/2/2016 14:11	11/1/2016	9/1/2017	304
0034125X	Andrews Bypass	RW		1/12/2016 8:31	4/1/2016	7/1/2016	91
0034468X	US 321 South Edisto River Swamp Bridge Rehabilitation	BR		7/18/2016 8:44	5/1/2017	10/1/2018	518
0035179X	S-68 over Turkey Creek	BR		9/21/2017 9:34	10/1/2017	9/1/2018	335
0036167RD02	International Center for Automotive Research (ICAR) and Reconstruction of Fairforest Way	RD		8/21/2015 10:04	9/1/2015	8/1/2018	1065
0036261BR01	US 401 over Jefferies Creek, Lake Swamp, High Hill Creek	RW		9/1/2015 12:08	7/1/2016	12/1/2016	153
0036261BR01	US 401 over Jefferies Creek, Lake Swamp, High Hill Creek	BR		9/1/2015 12:08	10/1/2017	7/1/2018	273
0036326EH01	Gahagan Plantation Trail (Summerville)	RD		3/9/2016 12:55	4/1/2016	7/1/2016	91
0036985RD01	US 301 over North Edisto River & Swamp	RW		10/12/2015 10:57	4/1/2016	10/1/2019	1278
0036985RD01	US 301 over North Edisto River & Swamp	RD		10/12/2015 10:57	10/1/2017	10/1/2020	1096
0037686RD01	Batesville Rd (S-164) (SC 14 to Roper Mountain Road)	RD		1/12/2016 11:57	7/1/2016	10/1/2018	822
0039032RD01	Leesburg Road (SC 262)	RD		7/20/2015 8:50	1/1/2017	6/1/2019	881
0039042RD01	SC 34 over Little River	BR		2/29/2016 8:52	4/1/2016	8/1/2016	122
0039096RD01	US 278 over Three Runs Creek	BR		8/7/2015 16:07	9/1/2015	1/1/2017	488
0039108RD01	S-50 over Manchester Creek	BR		7/2/2015 14:08	8/1/2015	2/1/2019	1280
0039303RD01	US 178 and SC 93	RD		8/21/2015 10:05	9/1/2015	12/1/2015	91
0039309RD01	SC 153 New Construction	RD		7/14/2015 11:56	7/1/2016	9/1/2017	427
0039333RD01	Hardscrabble Road (S-83)	RD		10/30/2015 16:28	10/1/2015	4/1/2016	183
0039542RD01	Intersection Improvements - Ann St (US 178) at Jones St	RD		10/12/2015 14:19	1/1/2016	9/1/2016	244
0039652RD01	US 378 over Horse & Hollow Creek	BR		11/30/2015 7:54	7/1/2016	8/1/2017	396
0039660RD01	Woodruff Road	RD		9/9/2016 9:22	12/1/2016	12/1/2018	730
0039904RD01	Old Fort Dr. Sidewalk Phase IV (S-662)	RD		8/31/2016 14:52	2/1/2017	4/1/2020	1155
0040031RD01	Complete Streets - Coleman Blvd Revitalization	RD		8/21/2015 10:59	8/1/2015	11/1/2015	92
0040308RD01	US 301 SBL over Four Hole Swamp	BR		11/30/2015 7:54	1/1/2016	3/1/2017	425
0040309RD01	Camden Truck Route (Segment I)	RD		3/7/2016 11:11	5/1/2016	8/1/2016	92
0040345RD01	Eagle Chandler Bridge Creek Trail	RD		2/16/2016 9:07	12/1/2016	1/1/2020	1126
0040440RD01	US 1 over S.C.L. Railroad	RW		7/8/2015 9:25	10/1/2015	7/1/2016	274
0040440RD01	US 1 over S.C.L. Railroad	BR		7/8/2015 9:25	10/1/2016	10/1/2018	730
0040478RD01	I-26 (near MM 60 to Near MM 75) (EB/WB)	RD		2/16/2016 14:46	8/1/2016	6/1/2019	1034
0041072RD01	Intersection Improvements - S-28 (Camp Rd) With S-53 (Riverland)	RD		2/4/2016 17:41	4/1/2016	1/1/2018	640
0041079RD01	Intersection Improvements - SC 38 at S-329	RD		8/11/2015 16:45	9/1/2015	12/1/2015	91
0041082RD01	Intersection Improvements - US 21 at SC 121	RD		10/17/2015 15:31	12/1/2015	1/1/2017	397
0041116RD01	Intersection Improvements - Eastside Corridor	RW		8/19/2015 10:14	8/1/2015	10/1/2017	792
0041333RD01	East White Street/ SC 72	RD		2/11/2016 11:09	7/1/2016	9/1/2018	792
0041406RD01	Intersection Improvements - Riverview at Riverchase	RD		10/30/2015 15:22	11/1/2015	4/1/2018	882
0041443RD01	SC 14 (At Five Forks and Bethel Road)	RW		11/10/2015 15:17	4/1/2016	7/1/2016	91
0041443RD01	SC 14 (At Five Forks and Bethel Road)	RD		11/10/2015 15:17	2/1/2017	9/1/2017	212
0041446RD01	SC 126 Widening	RW		11/25/2015 12:03	12/1/2015	4/1/2016	122
0041446RD01	SC 126 Widening	RD		8/8/2017 7:49	2/1/2018	12/1/2019	668
0041471RD01	Roper Mountain Road (S-548) - Roper Mountain Rd. Extension (S-547) to Garlington Rd.	RD		10/2/2017 17:02	11/1/2017	3/1/2019	485
0041472RD01	Roper Mountain Extension (S-547) - Pelham Rd. to Roper Mountain Rd.	RD		10/2/2017 17:03	11/1/2017	3/1/2019	485
0041497RD01	I-26 Saluda River Crossing Project	RD		3/1/2016 8:55	3/1/2016	6/1/2019	1187
0041502RD01	Intersection Improvements - SC 262 (Leesburg Road) at Patricia Drive	RD		7/20/2015 8:53	1/1/2017	4/1/2019	820
0041539RD01	Multi-Use Path	RD		2/2/2016 9:33	10/1/2017	8/1/2019	669
0041539RD01	Multi-Use Path	RW		2/2/2016 9:33	6/1/2016	8/1/2018	791
0041540RD01	Concord Road @ Cathey/Harris Bridge Rd	RD		1/28/2016 15:13	11/1/2016	11/1/2017	365
0041548RD01	US 76 BP & US 15 LAFAYETTE INTER IMPROV	EI		5/25/2016 15:14	6/1/2016	2/1/2017	258
0041795RD01	Mount Gallant Road (S-195) Widening	EI		11/25/2015 12:01	12/1/2015	8/1/2016	244
0041800RD01	SC 557 WIDENING	EI		9/30/2015 11:42	10/1/2015	12/1/2017	792
0041862RD01	Water Tower Road	RD		12/14/2015 9:09	11/1/2015	6/1/2016	213
0041932RD01	I-95 LOOP STREETScape Corridor, Phase I	RD		8/12/2015 10:40	9/1/2015	5/1/2020	1704
0042044RD01	Intersection Improvements - SC 225 at S-148 (Alexander Ave)	RD		7/22/2015 7:46	8/1/2015	2/1/2016	184
0042077RD01	Intersection Improvements - SC 9 (Pageland Hwy) at S-36 (Potter Rd)	RW		10/23/2015 11:46	11/1/2015	2/1/2016	92
0042082RD01	SC 146 @ SC 417	RD		10/17/2015 15:33	12/1/2015	6/1/2016	183
0042131RD01	Intersection Improvements - S-145 (Pine Log) at S-65 (Storm Branch)	RW		2/8/2016 12:33	5/1/2016	9/1/2016	123
0042131RD01	Intersection Improvements - S-145 (Pine Log) at S-65 (Storm Branch)	RD		2/8/2016 12:33	5/1/2017	5/1/2018	365
0042133RD01	Intersection Improvements - US 278 (Williston Rd) at SC 302 (Silver Bluff Rd)	RW		2/1/2016 15:44	3/1/2016	6/1/2018	822
0042133RD01	Intersection Improvements - US 278 (Williston Rd) at SC 302 (Silver Bluff Rd)	RD		2/1/2016 15:44	12/1/2016	11/1/2018	700
0042134OT01	(Type II) S-790 (Mall Drive) Traffic Signal Upgrades at 3 Intersections	RD		7/17/2017 15:53	5/1/2017	8/1/2017	92
0042273RD01	S. Main @ Campbell/Broyles/Dean	RD		3/20/2017 12:11	3/1/2017	7/1/2017	122
0042274RD01	SC 187 @ Whitehall Road Extension	RW		10/6/2017 16:26	1/1/2018	11/1/2018	304
0042275RD01	Brown Road @ Kings Road	RD		5/5/2016 7:45	3/1/2017	11/1/2017	245
0042321RD01	S-107 (Alligator Road)	RW		7/2/2015 16:44	6/1/2016	5/1/2017	334
0042321RD01	S-107 (Alligator Road)	RD		7/2/2015 16:44	2/1/2018	8/1/2019	546
0042325RD01	SC 274/279	EI		11/25/2015 11:58	7/1/2016	1/1/2018	549
0042326RD01	Main Street Enhancement	RD		2/8/2016 8:48	3/1/2016	12/1/2017	640
0042331RD01	Gold Hill Road/I-77 Interchange Area Improvements	BR		3/22/2017 14:09	5/1/2017	9/1/2018	488
0042333RD01	Nation Ford H.S. Pedestrian Connectivity Project	RD		4/14/2017 14:37	3/1/2017	6/1/2018	457
0042365RD01	Monroe Street @ Market Street	RW		10/6/2017 16:25	1/1/2018	11/1/2018	304
0042383RD01	S-48 (Columbia Avenue)	RW		9/25/2017 10:24	3/1/2017	3/1/2018	365

0042502RD01	US 1 (SC 23 (Leesville) to S-24) Phase II & III	RD	9/26/2016 16:21	6/1/2017	11/1/2018	518
0042755CP01	S- 29 IMPROVEMENT INTERSEC.	RW	3/9/2016 8:45	5/1/2016	8/1/2016	92
0042755CP01	S- 29 IMPROVEMENT INTERSEC.	RD	4/6/2016 8:46	5/1/2017	4/1/2018	335
0042912RD01	US 17A @ S-1258	RD	7/16/2015 8:37	8/1/2015	1/1/2016	153
0042913RD01	Intersection Improvements - US 17A & S-48 (Bethera Rd) & S-97 (Cane Gully Rd) & S-40 (Harristown Rd)	RW	10/26/2015 13:14	2/1/2016	8/1/2017	547
0042913RD01	Intersection Improvements - US 17A & S-48 (Bethera Rd) & S-97 (Cane Gully Rd) & S-40 (Harristown Rd)	RD	10/26/2015 13:14	2/1/2017	4/1/2019	789
0042922RD01	Intersection Improvements - S-377 at S-233 & Beverley Drive	RW	10/17/2015 15:38	9/1/2015	4/1/2016	213
0042922RD01	Intersection Improvements - S-377 at S-233 & Beverley Drive	RD	10/17/2015 15:38	7/1/2016	5/1/2017	304
0042925RD01	S- 82 INTERSEC. IMPROVEMENT	RD	8/12/2015 10:47	12/1/2015	9/1/2016	275
0042926RD01	Intersection Improvements - SC 3 (Capital Way/Whetstone Rd) at SC 394 (Salley Rd)	RD	10/17/2015 15:39	7/1/2016	9/1/2017	427
0042933RD01	S-1304 Bridge Replacement over Shaw's Creek	BR	9/8/2016 11:44	9/1/2016	3/1/2017	181
0043027RD01	S- 71 SIDEWALK IMPROVEMENTS	RD	8/18/2015 12:12	1/1/2016	11/1/2018	1035
037728CRD03	Intersection Improvements - SC 183 at Jameson Road	RD	7/5/2017 11:32	11/1/2017	11/1/2018	365
040309BRD03	Camden Truck Route (Segment III)	RD	8/12/2015 12:15	6/1/2016	6/1/2017	365
P026813	US 21 over I-20	BR	1/26/2016 9:04	8/1/2016	1/1/2018	518
P026814	S-52 (Killian Rd) over I-77 Bridge Rehab	BR	1/27/2016 12:09	8/1/2016	11/1/2016	92
P026815	US 321 over I-20	BR	1/26/2016 9:05	8/1/2016	1/1/2018	518
P026818	S-1036 over SC 277 Bridge Rehab	BR	5/17/2016 15:41	1/1/2017	1/1/2018	365
P026821	SC 213 over Broad River Bridge Rehab	BR	5/19/2016 14:06	1/1/2017	1/1/2018	365
P026822	US 321 over Allison Creek	RW	1/15/2016 10:00	1/1/2016	8/1/2017	578
P026822	US 321 over Allison Creek	BR	1/15/2016 10:00	10/1/2017	1/1/2019	457
P026824	S-654 over Burgis Creek	RW	1/15/2016 10:04	1/1/2016	8/1/2017	578
P026824	S-654 over Burgis Creek	BR	1/15/2016 10:04	10/1/2017	1/1/2019	457
P026828	S-655 over Fishing Creek	BR	2/1/2016 15:44	10/1/2016	10/1/2017	365
P026839	US 1 Sidewalks Lexington	RW	7/8/2015 9:26	10/1/2015	3/1/2016	152
P026839	US 1 Sidewalks Lexington	RD	7/8/2015 9:26	4/1/2016	9/1/2017	518
P026848	Julius Felder Street (S-609) Sidewalks	RW	9/3/2015 9:47	12/1/2015	1/1/2017	397
P026848	Julius Felder Street (S-609) Sidewalks	RD	9/3/2015 9:47	6/1/2016	8/1/2018	791
P026857	I-26 (near MM 74 to MM 85) (EB/WB)	RD	6/13/2016 11:47	8/1/2016	8/1/2019	1095
P026862	US 21 over Harbor River	BR	9/8/2015 9:10	11/1/2017	3/1/2017	-245
P026869	SC 70 over Little Salkehatchie River	RW	8/7/2015 16:12	10/1/2015	3/1/2016	152
P026869	SC 70 over Little Salkehatchie River	BR	8/7/2015 16:12	10/1/2017	6/1/2018	243
P026870	US 1 over South Edisto River	RW	10/11/2015 13:26	8/1/2016	7/10/2018	708
P026870	US 1 over South Edisto River	BR	10/11/2015 13:26	8/1/2018	10/1/2019	426
P026877	SC 160 Widening West	EI	11/25/2015 11:52	12/1/2015	7/1/2017	578
P026923	US 401 over Scape Ore Swamp	BR	4/3/2017 9:29	1/1/2018	6/1/2018	151
P026927	SC 261 Bridge Rehab over CSX RR	BR	1/25/2017 15:16	2/1/2017	5/1/2017	89
P026947	City of Mauldin Multi-Use Path	RD	8/28/2015 9:38	12/1/2015	9/1/2015	-91
P027054	Richland Co. School Sidewalks	RD	3/7/2016 11:01	4/1/2016	12/1/2016	244
P027057	S-76 over Jefferies Creek	RW	9/1/2015 15:37	4/1/2016	12/1/2016	244
P027057	S-76 over Jefferies Creek	BR	9/1/2015 15:37	4/1/2018	10/1/2018	183
P027058	S-49 over High Hill Creek	BR	3/12/2018 12:39	4/1/2018	9/1/2018	153
P027059	SC 41 over Maiden Down Swamp	BR	10/18/2016 14:03	4/1/2018	4/1/2017	-365
P027060	I-95 (near MM 193 to near MM 199) (NB/SB)	RD	2/8/2016 15:46	10/1/2017	1/1/2017	-273
P027065	SC 823 over Little River	RW	11/23/2015 7:38	5/1/2016	11/1/2016	184
P027065	SC 823 over Little River	BR	11/6/2017 11:17	10/1/2017	9/1/2018	335
P027077	I-26 from near Jedburg Road (Exit 194) to near Nexton Parkway (Exit 197)	RD	4/19/2018 12:07	5/1/2018	9/1/2018	123
P027127	US 176 over Dean Swamp	RW	2/26/2016 8:53	7/1/2016	7/1/2017	365
P027127	US 176 over Dean Swamp	BR	6/15/2017 11:36	7/1/2018	1/1/2019	184
P027169	Intersection Improvements - SC 905 at Old Reaves Ferry (Conway)	RD	8/7/2015 15:59	1/1/2017	7/1/2017	181
P027171	Intersection Improvements - US 17A at Powell	RD	8/7/2015 16:00	5/1/2017	12/1/2017	214
P027172	Intersection Improvements - SC 41/51 & Browns Ferry	RD	8/7/2015 16:00	4/1/2017	10/1/2017	183
P027172	Intersection Improvements - SC 41/51 & Browns Ferry	RW	9/15/2015 14:22	4/1/2016	10/1/2016	183
P027173	Intersection Improvements - Longstreet at Main (King Street)	RD	8/27/2015 10:27	11/1/2016	8/1/2016	-92
P027198	Patterson Road Sidewalk	RD	11/25/2015 11:51	10/1/2016	7/1/2019	1003
P027223	I-385 (near MM 37 to near MM 42) (NB/SB)	RD	7/16/2015 11:24	10/1/2015	3/1/2016	152
P027229	Interchange Improvement - I-26 at US 21 (Exit 119)	RW	8/29/2017 10:21	6/1/2021	6/1/2019	-731
P027231	SC 65	RD	11/24/2015 8:36	3/1/2017	6/7/2017	98
P027256	White Street Pedestrian Project	RD	1/20/2016 13:15	12/1/2015	10/1/2018	1035
P027276	ALLISON RD (S-159) PEDESTRIAN CONNECTOR	RD	8/12/2015 10:39	8/1/2015	6/1/2020	1766
P027277	Intersection Improvements - US 521 at Marvin Road Intersection	RW	7/7/2017 15:37	10/1/2017	10/1/2018	365
P027277	Intersection Improvements - US 521 at Marvin Road Intersection	RD	7/7/2017 15:37	10/1/2018	10/1/2019	365
P027346	Dorchester Road Sidewalk Infill	RD	2/24/2016 14:42	2/1/2016	5/1/2016	90
P027348	Hanahan Comprehensive Trail	EI	7/29/2015 16:02	8/1/2015	5/1/2016	274
P027367	Hampton Ave Extension Pedestrian Bridge	RD	9/8/2016 10:40	8/1/2016	7/1/2018	699
P027379	I-85 (US 25 to SC 129) - SC 290 I/C Improvements (Diverging Diamond Interchange, 2-Lane Exits)	RW	2/26/2016 8:13	5/1/2016	3/1/2019	1034
P027379	I-85 (US 25 to SC 129) - SC 290 I/C Improvements (Diverging Diamond Interchange, 2-Lane Exits)	RD	2/26/2016 8:13	5/1/2017	10/1/2020	1249
P027407	S-1557 over Fairforest Creek	RW	9/24/2015 8:29	1/1/2016	9/1/2016	244
P027407	S-1557 over Fairforest Creek	BR	9/24/2015 8:29	11/1/2016	9/1/2017	304
P027413	SC 85 over Southern R.R. and S-995	RW	2/9/2016 13:48	4/1/2016	8/1/2017	487
P027413	SC 85 over Southern R.R. and S-995	BR	10/2/2017 17:33	3/1/2018	9/1/2019	549
P027541	Colleton CTC - Myrtle Street Road & Drainage Improvements	RD	7/21/2017 10:42	8/1/2017	11/1/2017	92
P027550	I-95 Reconstruction (near MM 33 to near MM 64) (NB/SB)	RD	3/4/2016 11:16	11/1/2018	10/1/2020	700
P027551	I-95 (Near MM 23 to near MM 33) (NB/SB)	RD	3/10/2016 14:40	11/1/2016	11/1/2018	730
P027566	Intersection Improvements - S-22 at S-58	RD	11/19/2015 14:50	1/1/2017	4/1/2017	90
P027567	McClellanville Pedestrian Bridge	RD	8/24/2015 15:33	9/1/2015	2/1/2017	519
P027591	Intersection Improvements - US 521 (Thomas Sumter Hwy) @ S-1342 (Camden Hwy)	RD	10/26/2015 13:21	12/1/2015	9/1/2017	640
P027593	Intersection Improvement - SC 6 (S. Lake Dr) and S-627 (Bethany Church Road/Pleasant View Drive)	RW	9/22/2015 16:31	9/1/2015	12/1/2016	457
P027593	Intersection Improvement - SC 6 (S. Lake Dr) and S-627 (Bethany Church Road/Pleasant View Drive)	RD	9/22/2015 16:31	7/1/2016	9/1/2017	427
P027594	SC 86 @ S-1147	RD	8/11/2015 16:46	9/1/2015	1/1/2016	122
P027595	Intersection Improvements - SC 292 at S-77	RW	8/7/2015 16:01	9/1/2015	8/1/2017	700
P027595	Intersection Improvements - SC 292 at S-77	RD	8/7/2015 16:01	7/1/2016	8/1/2018	761
P027598	SC 19 (Edgefield Hwy.) at S-26 (Reynolds Pond Rd.)	RW	2/3/2016 15:30	7/1/2016	7/1/2017	365
P027598	SC 19 (Edgefield Hwy.) at S-26 (Reynolds Pond Rd.)	RD	2/3/2016 15:30	10/1/2017	10/1/2018	365
P027604	S-11 Lee Ave Streetscape Imprvmt, Ph III	RD	7/8/2015 9:20	6/1/2016	11/1/2015	-213
P027610	SC 174 Recreational Water Access	RD	2/25/2016 16:57	7/1/2017	8/1/2020	1127
P027622	Intersection Improvements - S-34 (Whitehall Rd) & Sullivan Rd	RD	10/17/2015 15:40	7/1/2016	2/1/2019	945
P027622	Intersection Improvements - S-34 (Whitehall Rd) & Sullivan Rd	RW	10/17/2015 15:40	9/1/2015	10/1/2017	761
P027623	Intersection Improvements - SC 9 at Foster Rd	RW	10/17/2015 15:35	9/1/2015	1/1/2017	488
P027623	Intersection Improvements - SC 9 at Foster Rd	RD	10/17/2015 15:35	7/1/2016	6/1/2018	700

P027625	Intersection Improvements - US 601 (McCords Ferry Rd) at SC 263 (Vanboklen Rd)	RW	8/3/2015 14:38	9/1/2015	3/1/2016	182
P027625	Intersection Improvements - US 601 (McCords Ferry Rd) at SC 263 (Vanboklen Rd)	RD	8/3/2015 14:38	7/1/2016	9/1/2017	427
P027626	Intersection Improvements - S-63 (Alpine Rd) & S-1026 (Old Percival Rd)	RW	11/12/2015 17:15	9/1/2015	7/1/2016	304
P027626	Intersection Improvements - S-63 (Alpine Rd) & S-1026 (Old Percival Rd)	RD	11/12/2015 17:15	7/1/2016	1/1/2019	914
P027627	Intersection Improvements - US 17 Bypass at 76th Avenue N	RW	8/3/2015 14:38	9/1/2015	6/1/2016	274
P027627	Intersection Improvements - US 17 Bypass at 76th Avenue N	RD	8/3/2015 14:38	7/1/2016	9/1/2017	427
P027683	Brushy Creek Greenway Phase 1	RW	10/23/2015 8:39	10/1/2015	9/1/2018	1066
P027683	Brushy Creek Greenway Phase 1	RD	10/23/2015 8:39	4/1/2016	1/1/2019	1005
P027709	Sidewalk/bike lane Bluff Rd	RW	9/10/2015 14:56	10/1/2016	6/1/2017	243
P027726	Sawmill Branch - Phase VII	RD	4/25/2017 14:47	4/1/2017	4/1/2020	1096
P027884	Gaffney T-Bridge Improvements	RD	7/11/2016 7:55	8/1/2016	5/1/2019	1003
P027980	Intersection Improvements - SC 72 at S-329 (McCandless Road)	RW	2/1/2016 14:39	7/1/2016	3/1/2017	243
P027980	Intersection Improvements - SC 72 at S-329 (McCandless Road)	RD	2/1/2016 14:39	7/1/2017	10/1/2018	457
P027981	Intersection Improvements - India Hook at Celanese Road	RW	6/7/2016 15:45	7/1/2016	5/1/2018	669
P027981	Intersection Improvements - India Hook at Celanese Road	RD	9/5/2017 9:25	10/1/2018	11/1/2019	396
P027986	Clebourne/N White Streete Intersection Improvements	RW	6/7/2016 15:42	7/1/2016	12/2/2017	519
P027986	Clebourne/N White Streete Intersection Improvements	RD	6/7/2016 15:42	7/1/2017	12/1/2018	518
P028016	SC 99 (Richburg Road)	RD	7/16/2015 8:39	8/1/2015	1/1/2016	153
P028021	S-918 (Old Wallace Gregg Rd)	RD	6/21/2016 13:31	6/1/2016	9/1/2016	92
P028034	Statewide Section/Corridor Improvements - SC 72 (West End Rd/Saluda Rd)	RD	7/16/2015 8:40	8/1/2015	1/1/2016	153
P028045	Intersection Improvements - I-20 at Bettis Academy (Exit 11)	RD	8/7/2015 16:15	6/1/2016	5/1/2018	699
P028047	US 278	RD	11/30/2015 7:56	8/1/2016	1/1/2019	883
P028049	Intersection Improvements - US 78 at Calhoun Street	RD	7/8/2015 9:27	6/1/2016	9/1/2015	-274
P028050	US 78 (Phase II) (Denmark to Bamberg)	RW	10/11/2015 13:27	6/1/2016	8/1/2018	791
P028050	US 78 (Phase II) (Denmark to Bamberg)	RD	10/11/2015 13:27	6/1/2017	10/1/2019	852
P028052	Intersection Improvements - US 278 at SC 300	RW	10/11/2015 13:27	6/1/2016	9/1/2018	822
P028052	Intersection Improvements - US 278 at SC 300	RD	10/11/2015 13:27	6/1/2017	10/1/2019	852
P028053	US 78 (US 21 (Freedom Rd) to L-1632 (Sub Rd))	RD	11/30/2015 7:56	8/1/2016	10/1/2019	1156
P028058	Intersection Improvements - SC 125 (Atomic Rd) at S-62 (N. Silverton St)	RW	10/11/2015 13:28	5/1/2016	9/1/2018	853
P028058	Intersection Improvements - SC 125 (Atomic Rd) at S-62 (N. Silverton St)	RD	10/11/2015 13:28	10/1/2017	4/1/2019	547
P028061	Intersection Improvements - SC 125 (Augusta Highway) at SC 3 (River Rd)	RW	10/11/2015 13:33	4/1/2016	6/1/2018	791
P028061	Intersection Improvements - SC 125 (Augusta Highway) at SC 3 (River Rd)	RD	10/11/2015 13:33	5/1/2017	6/1/2019	761
P028062	SC 28 over Savannah River	BR	6/30/2016 11:04	10/1/2016	10/1/2019	1095
P028063	US 301 over Savannah River	BR	7/11/2016 8:07	10/1/2016	2/1/2025	3045
P028102	Town of Lexington Adaptive Signals - Phase II (16 of 35 signals)	RW	3/18/2016 13:26	2/1/2016	5/1/2016	90
P028102	Town of Lexington Adaptive Signals - Phase II (16 of 35 signals)	RD	3/18/2016 13:26	2/1/2016	5/1/2018	820
P028136	Hub City Connector - Bicycle Pedestrian Improvements, Part of Palmetto Trail - Mary Black Rail Trail	RW	9/15/2016 13:32	9/1/2016	8/1/2018	699
P028136	Hub City Connector - Bicycle Pedestrian Improvements, Part of Palmetto Trail - Mary Black Rail Trail	RD	9/15/2016 13:32	2/1/2017	8/1/2019	911
P028138	Summit Sidewalk Project	RW	7/8/2015 9:27	10/1/2015	11/1/2016	397
P028138	Summit Sidewalk Project	RD	7/8/2015 9:27	10/1/2016	5/1/2018	577
P028141	Town of Ehrhardt Sidewalk Project	RW	7/20/2015 8:53	9/1/2015	10/1/2017	761
P028141	Town of Ehrhardt Sidewalk Project	RD	7/20/2015 8:53	2/1/2016	6/1/2018	851
P028142	Town of New Ellenton Sidewalk	RW	12/21/2015 9:40	2/1/2016	12/1/2017	669
P028142	Town of New Ellenton Sidewalk	RD	12/21/2015 9:40	2/1/2017	1/1/2019	699
P028143	Town of Batesburg Leesville Sidewalk	RW	9/16/2015 12:48	1/1/2016	10/1/2017	639
P028143	Town of Batesburg Leesville Sidewalk	RD	9/16/2015 12:48	1/1/2017	8/1/2018	577
P028151	S-144 & S-33 & S-780 Intersection Improvement	RW	8/11/2016 11:24	11/1/2016	12/1/2017	395
P028205	Town of Springdale Sidewalk	RW	2/11/2016 13:26	5/1/2016	9/1/2016	123
P028205	Town of Springdale Sidewalk	RD	8/2/2017 9:33	8/1/2017	10/1/2018	426
P028226	S. Church St. Sidewalk	RD	7/8/2015 9:24	5/1/2017	9/18/2017	140
P028288	US 17 Business Access Management Project	RD	7/19/2016 12:02	6/1/2017	5/1/2018	334
P028329	US 1 at S.C.L. RR (No. 3)	RW	6/20/2017 10:12	7/1/2017	12/1/2017	153
P028331	West Ashley Greenway MUP PHASE IV	RD	11/20/2015 10:22	2/1/2016	4/1/2020	1521
P028331	West Ashley Greenway MUP PHASE IV	RW	2/24/2016 15:05	2/1/2016	2/1/2020	1461
P028334	US 76 over Lynchess River	RD	4/10/2018 10:33	1/1/2019	4/1/2019	90
P028335	US 1 over Black Creek and Little Alligator Creek (Adjacent Culvert)	RW	12/12/2017 9:43	2/1/2018	10/1/2018	242
P028336	US 52 Bus over Swift Creek	RD	12/12/2017 9:53	5/1/2018	10/1/2018	153
P028337	S-39 over Little Fork Creek	BR	5/30/2017 8:12	3/1/2018	7/1/2017	-243
P028340	US 301 over Pudding Swamp (No. 1 and No. 2)	RW	11/22/2016 15:44	4/1/2017	8/1/2017	122
P028340	US 301 over Pudding Swamp (No. 1 and No. 2)	BR	4/3/2017 9:27	10/1/2018	1/1/2019	92
P028349	I-95 over TV Road (S-21-26)	BR	1/27/2017 12:34	2/1/2017	7/1/2017	150
P028355	S-272 over Reedy River	BR	4/20/2017 11:26	1/1/2018	9/1/2018	243
P028361	US 501 Bus over Waccamaw River & SCL RR L-123	BR	8/1/2017 11:45	2/1/2018	8/1/2018	181
P028381	US 21 Bus over Steel Creek (Fort Mill)	RW	10/3/2016 16:09	12/1/2016	8/1/2017	243
P028381	US 21 Bus over Steel Creek (Fort Mill)	BR	10/3/2016 16:09	12/1/2017	11/1/2018	335
P028383	S-51 over Gills Creek	RW	10/27/2016 15:44	12/1/2016	4/1/2019	851
P028383	S-51 over Gills Creek	BR	10/27/2016 15:44	12/1/2017	4/1/2020	852
P028384	SC 72 over Stony Fork Creek	RW	10/27/2016 15:45	12/1/2016	12/1/2018	730
P028384	SC 72 over Stony Fork Creek	BR	6/14/2017 9:31	10/1/2018	12/1/2019	426
P028422	SC 421 over Little Horse Creek	RW	10/12/2015 10:23	10/1/2016	12/1/2018	791
P028422	SC 421 over Little Horse Creek	BR	10/12/2015 10:23	10/1/2017	10/1/2020	1096
P028423	US 301 over S. Edisto River	RW	11/30/2015 7:57	10/1/2016	10/1/2018	730
P028423	US 301 over S. Edisto River	BR	11/30/2015 7:57	10/1/2018	10/1/2020	731
P028427	Intersection Improvements - US 378 & SC 41	RW	12/6/2016 16:21	3/1/2017	6/1/2017	92
P028427	Intersection Improvements - US 378 & SC 41	RD	12/6/2016 16:21	3/1/2018	5/1/2019	426
P028428	Intersection Improvements - S-41 (Senator Gasque Rd), SC 41A, S-51 (Metal Rd) & S-626 (Vera Ct)	RD	10/4/2017 9:21	12/1/2018	10/1/2019	304
P028428	Intersection Improvements - S-41 (Senator Gasque Rd), SC 41A, S-51 (Metal Rd) & S-626 (Vera Ct)	RW	10/4/2017 9:21	10/1/2017	9/1/2018	335
P028448	US 21 over Sandy Run Creek	RW	9/9/2016 16:48	5/1/2017	8/1/2017	92
P028448	US 21 over Sandy Run Creek	BR	1/26/2017 12:00	10/1/2018	5/1/2019	212
P028482	Intersection Improvement - US 15 (S Main St)/US 52 (Cheraw Hwy)/US 401 (N Main St)/S-133 (Church St)	RW	9/22/2016 9:32	12/1/2016	3/1/2017	90
P028482	Intersection Improvement - US 15 (S Main St)/US 52 (Cheraw Hwy)/US 401 (N Main St)/S-133 (Church St)	RD	9/22/2016 9:32	12/1/2017	7/1/2018	212
P028486	Intersection Improvements - SC 327 (Francis Marion Rd) & S-57 (Old River Rd) at Claussen Rd	RD	10/11/2017 16:10	11/1/2017	10/1/2018	334
P028524	Pacolet River Passage Gateway	RW	2/14/2017 11:31	2/1/2017	5/1/2017	89
P028524	Pacolet River Passage Gateway	RD	2/14/2017 11:31	4/1/2017	3/1/2018	334
P028532	Operational/Shoulder Improvements - US 301 (Burton's Ferry Hwy)/University Mile	RW	2/1/2016 15:43	4/1/2016	12/1/2017	609
P028532	Operational/Shoulder Improvements - US 301 (Burton's Ferry Hwy)/University Mile	RD	2/1/2016 15:43	12/1/2016	8/1/2018	608
P028533	Town of Bowman Sidewalk Enhancement	RW	8/11/2016 11:23	11/1/2016	9/1/2018	669
P028533	Town of Bowman Sidewalk Enhancement	RD	8/11/2016 11:23	11/1/2017	5/1/2019	546
P028535	Orangeburg District 5 Ped. Improvements	RD	12/21/2015 9:41	3/1/2017	6/1/2019	822
P028535	Orangeburg District 5 Ped. Improvements	RW	1/22/2018 15:28	1/1/2018	6/1/2018	151

P028659	Median Improvements	RW	10/26/2015 13:19	2/1/2016	9/1/2018	943
P028659	Median Improvements	RD	10/26/2015 13:19	12/1/2016	7/1/2019	942
P028670	US 76 Widening Truck Route	RW	5/16/2016 10:53	6/1/2016	9/1/2016	92
P028670	US 76 Widening Truck Route	RD	3/13/2018 16:30	6/1/2018	9/1/2018	92
P028710	Buck Corley Sidewalk	RD	5/26/2016 8:58	7/1/2016	10/1/2018	822
P028711	Bush River Road Sidewalk	RD	3/16/2016 9:26	3/1/2016	3/1/2017	365
P028721	S-791 over N. Mulberry Creek	RW	6/24/2016 9:43	4/1/2017	7/1/2017	91
P028721	S-791 over N. Mulberry Creek	BR	10/17/2016 14:35	4/1/2018	10/1/2018	183
P028743	Woodruff Road Parallel	RD	8/25/2017 15:16	10/1/2020	10/1/2021	365
P028743	Woodruff Road Parallel	RW	10/5/2017 15:18	1/1/2018	10/1/2019	638
P028744	SC 153 Improvements	RW	1/8/2016 11:11	3/1/2017	5/3/2018	428
P028744	SC 153 Improvements	RD	1/8/2016 11:11	4/1/2018	5/1/2019	395
P028774	2016 Federal Aid Program	RD	7/16/2015 9:29	8/1/2015	7/1/2017	700
P028811	Spartanburg CTC - Intersection imprmt	RW	3/7/2017 10:13	10/1/2017	7/1/2018	273
P028811	Spartanburg CTC - Intersection imprmt	RD	3/7/2017 10:13	10/1/2018	5/1/2019	212
P028821	US 29 over S-75	BR	2/16/2016 9:30	10/1/2018	10/1/2016	-730
P028835	Signalize and construct left turn lanes on S-204 (Pisgah Church/Long Pond) and S-77 (Barr Road)	RW	1/6/2016 11:12	4/1/2016	4/1/2018	730
P028835	Signalize and construct left turn lanes on S-204 (Pisgah Church/Long Pond) and S-77 (Barr Road)	RD	1/6/2016 11:12	6/1/2017	9/1/2017	92
P028858	S-52 (Clemson Road) Widening	RD	7/24/2017 9:21	7/1/2017	5/1/2018	304
P028870	I-26 @ Remount (Exit 211) Sign and Fountain	RD	4/13/2016 9:08	7/1/2016	7/1/2017	365
P028928	I-526 (SC 7 to US 17) - Operations - (Type II) Signal Timing Improvements @ 6 Interchanges	RD	2/8/2018 17:19	2/1/2018	5/1/2018	89
P028961	I-85 (US 25 to SC 129) - US 29 and SC 146/296 Signal Improvement & Cameras	RD	2/16/2016 11:42	8/1/2016	5/1/2016	-92
P029000	Intersection Improvements - S-112 (N. Ebenezer Rd/Pisgah Rd) at S-193 (N. Ebenezer Rd/ W. Sumter)	RD	3/1/2018 16:51	4/1/2018	9/1/2018	153
P029007	Intersection Improvements - US 521 (Charlotte Hwy) & S-755 (North Corner Road)	RW	6/30/2017 11:49	6/1/2017	10/1/2017	122
P029007	Intersection Improvements - US 521 (Charlotte Hwy) & S-755 (North Corner Road)	RD	1/22/2018 14:02	6/1/2018	10/1/2018	122
P029061	US 501 S - Gardner Lacy to SC 31	RW	9/21/2016 13:21	12/1/2017	9/1/2018	274
P029061	US 501 S - Gardner Lacy to SC 31	RD	3/1/2018 12:58	6/1/2019	2/1/2020	245
P029065	Conway Elementary Safe Routes to School	RD	6/22/2017 12:25	3/1/2017	9/1/2017	184
P029067	Duncan Chapel Elementary Safe Routes to School	RD	6/19/2017 12:14	1/1/2017	7/1/2017	181
P029068	Burton Pack Elementary Safe Routes to School	RD	1/23/2017 15:05	1/1/2017	10/1/2017	273
P029069	Ford Elementary Safe Routes to School	RD	1/23/2017 15:06	1/1/2017	7/1/2018	546
P029072	SC 555 over SCL Railroad	RW	8/3/2017 15:43	6/1/2018	6/1/2020	731
P029072	SC 555 over SCL Railroad	BR	8/3/2017 15:43	6/1/2019	6/1/2021	731
P029073	US 21 over Congaree Creek	BR	7/18/2016 8:43	6/1/2019	6/1/2021	731
P029073	US 21 over Congaree Creek	RW	7/18/2016 8:43	8/1/2017	6/1/2019	669
P029120	City of York Ped. Lighting	RD	5/2/2016 15:59	6/1/2016	4/1/2017	304
P029121	Holly Hill Ped. Improvements	RD	7/7/2017 14:52	7/1/2017	4/1/2018	274
P029122	Swansea West Second St. Phase I	RD	5/3/2017 15:45	6/1/2017	3/1/2018	273
P029123	Jenkinsville Sidewalk Phase II	RD	1/9/2017 11:24	12/1/2016	5/1/2017	151
P029132	Intersection Improvements - Carowinds at Pleasant Road	RW	9/26/2016 16:20	4/1/2017	10/1/2018	548
P029270	SC 160/I-77 Interchange Reconfiguration	RW	2/29/2016 9:14	3/1/2016	10/1/2018	944
P029306	Pineview Road Widening	RW	2/8/2017 8:40	2/1/2017	5/1/2017	89
P029311	Clemson Rd/Sparkleberry Lane Intersection Improvements	EI	5/3/2017 15:23	6/1/2017	12/1/2017	183
P029439	SC 283 Bridge over Turkey creek	BR	8/29/2016 11:17	11/1/2016	3/1/2017	120
P029440	SC 283 Bridge over Stevens Creek	BR	8/29/2016 11:17	11/1/2016	3/1/2017	120
P029449	Intersection Improvements - US 278 at US 321	RW	8/2/2017 16:27	1/1/2018	10/1/2018	273
P029449	Intersection Improvements - US 278 at US 321	RD	8/2/2017 16:27	5/1/2019	5/1/2020	366
P029459	River Oaks Drive / Frontage Road B-2 ECG Extension	RD	12/6/2016 16:15	5/1/2017	3/1/2019	669
P029466	Intersection Improvements - US 278 (Barnwell Rd) at S-22 (Bluff Rd)	RD	8/3/2016 7:59	6/1/2018	3/1/2019	273
P029466	Intersection Improvements - US 278 (Barnwell Rd) at S-22 (Bluff Rd)	RW	8/3/2016 7:59	1/1/2017	10/1/2017	273
P029469	Intersection Improvements - SC 125 (W Railroad Ave) at S-22 (Bluff Rd)	RW	8/3/2016 7:58	1/1/2017	10/1/2017	273
P029469	Intersection Improvements - SC 125 (W Railroad Ave) at S-22 (Bluff Rd)	RD	8/3/2016 7:58	6/1/2018	3/1/2019	273
P029477	Intersection Improvements - SC 210 (Bowman Branch Hwy) at S-80 (Cattle Creek Rd)	RW	6/30/2016 9:23	1/1/2017	10/1/2018	638
P029477	Intersection Improvements - SC 210 (Bowman Branch Hwy) at S-80 (Cattle Creek Rd)	RD	8/3/2016 7:59	6/1/2018	3/1/2020	639
P029499	Riverview Road Widening	RW	2/16/2017 16:11	2/1/2017	6/1/2017	120
P029511	City of Columbia Sidewalks- Earlewood	RD	5/31/2016 15:17	3/1/2017	12/1/2017	275
P029516	Barrett Road Connector	RW	7/8/2016 16:13	6/1/2017	11/1/2016	-212
P029525	US 78 (US 178 to SC 275)	RW	8/3/2016 15:50	8/1/2016	7/1/2017	334
P029525	US 78 (US 178 to SC 275)	RD	8/3/2016 15:50	9/1/2017	1/1/2019	487
P029530	Intersection Improvements - US 301 (Five Chop Rd) at SC 267 (Tee Vee Rd)	RD	11/22/2016 15:01	9/1/2017	6/1/2019	638
P029530	Intersection Improvements - US 301 (Five Chop Rd) at SC 267 (Tee Vee Rd)	RW	11/22/2016 15:01	11/1/2016	6/1/2018	577
P029536	SC 160 Widening East	RW	5/13/2016 8:42	5/1/2016	8/1/2016	92
P029537	S-400 (Dingle Pond Road)	PE	5/26/2016 14:07	5/1/2016	7/30/2016	90
P029541	I-26 EB/WB over SC 33/CSX RR Bridge Rehabilitation	BR	8/2/2016 15:06	5/1/2017	5/1/2018	365
P029554	SC 31 Extension to NC	RW	1/8/2018 11:58	10/1/2020	1/1/2023	822
P029554	SC 31 Extension to NC	RD	1/8/2018 11:58	10/1/2024	1/1/2027	822
P029568	Grand Park Linear Trail	RD	6/28/2017 9:31	6/1/2017	3/1/2019	638
P029636	FY 2016 D3 Traffic Signal Upgrade & New Install	RD	4/5/2016 16:05	5/1/2016	8/1/2016	92
P029637	District 5 Signal Upgrade & New Installation FY 16 (P&R)	RD	3/29/2016 16:47	6/1/2016	9/1/2016	92
P029638	FY 2016 D6 Upgrade & New Install	RD	4/5/2016 16:00	4/1/2016	8/1/2016	122
P029699	I-26 (Near MM 0 to near MM 5) (WB)	RD	9/13/2016 13:25	2/1/2018	3/1/2017	-337
P029700	I-95 (Near MM 171 to near MM 193) (SB)	RD	7/11/2018 13:41	10/1/2018	10/1/2020	731
P029729	Intersection Improvement - US 1 (Jefferson Davis Hwy) @ SC 118 (Hitchcock Pkwy/Robert M. Bell Pkwy)	RD	7/11/2018 11:46	8/1/2018	12/1/2018	122
P029784	New Traffic Signal Installation on Folly Rd at Grimbball Rd	OT	8/8/2016 15:06	4/1/2017	8/6/2016	-238
P029799	S-1171 (Cherokee Trail) Bridge Replacment (DR-4241)	RW	6/24/2016 12:26	8/1/2016	1/19/2017	171
P029799	S-1171 (Cherokee Trail) Bridge Replacment (DR-4241)	BR	10/27/2016 15:50	3/1/2017	9/1/2017	184
P029835	S-61 (Old Post Road) Intersection Improvements	RW	12/12/2017 12:36	3/1/2018	10/1/2018	214
P029835	S-61 (Old Post Road) Intersection Improvements	RD	12/12/2017 12:36	3/1/2019	10/1/2019	214
P029840	City of Orangeburg- Pedestrian Improvements Phase 1	RD	2/9/2018 8:28	10/1/2018	3/1/2018	-214
P029891	Woodruff Road Sidewalk Project	RD	10/2/2017 17:37	9/1/2017	1/1/2018	122
P029899	Limestone College-Griffith Street Sidewalk Improvements	RD	4/25/2017 10:49	3/1/2018	10/1/2018	214
P029945	I-26 Bridge Repair in Charleston County	RD	5/18/2016 14:01	5/1/2016	10/1/2016	153
P029962	Intersection Improvement - US 521 at Andrew Jackson High School	RD	7/7/2017 15:28	1/1/2019	10/1/2019	273
P029962	Intersection Improvement - US 521 at Andrew Jackson High School	RW	7/7/2017 15:28	10/1/2017	10/1/2018	365
P030036	2017 Non-NHS Primary Program	RD	3/9/2018 11:13	4/1/2020	5/1/2018	-701
P030039	2017 Statewide Non-Interstate NHS Program	RD	1/5/2017 14:29	3/1/2017	4/1/2018	396
P030051	2017 Federal Aid Secondary Program	RD	12/16/2016 10:45	6/1/2017	5/1/2018	334
P030075	Section/Corridor Improvements - SC 153 east and west of the SC 81 Intersection	RD	9/26/2016 15:43	9/1/2016	6/1/2018	638
P030103	Riverside Middle School Sidewalk Project in Pendleton	RW	6/12/2018 13:01	10/1/2018	1/1/2019	92
P030171	S-32-59 (Devil's Backbone Road) (DR-4241)	RD	6/23/2016 16:29	6/1/2017	7/1/2016	-335

P030173	US 21 (Wilson Blvd) (DR-4241)	BR	12/16/2016 10:40	6/1/2017	2/1/2017	-120
P030219	Hardeeville Sidewalk Improvements	RW	6/29/2017 15:38	1/1/2018	12/1/2018	334
P030219	Hardeeville Sidewalk Improvements	RD	6/29/2017 15:38	1/1/2019	12/1/2019	334
P030220	Waddell Road/Ribaut Road Sidewalk Improvements	RW	6/29/2017 15:31	1/1/2018	10/1/2018	273
P030220	Waddell Road/Ribaut Road Sidewalk Improvements	RD	6/29/2017 15:31	2/1/2019	10/1/2020	608
P030231	Intersection Improvements - US 178 (Liberty Highway) and SC 88 (Old Greenville Highway)	RW	3/21/2018 16:33	9/1/2018	6/1/2019	273
P030231	Intersection Improvements - US 178 (Liberty Highway) and SC 88 (Old Greenville Highway)	RD	3/21/2018 16:33	9/1/2019	6/1/2020	274
P030232	Intersection Improvements - US 76 and S-1125/Destination Blvd	RW	3/21/2018 16:33	9/1/2018	6/1/2019	273
P030232	Intersection Improvements - US 76 and S-1125/Destination Blvd	RD	3/21/2018 16:33	9/1/2019	6/1/2020	274
P030233	Intersection Improvements - SC 281 (Ribaut Rd) and Reynolds St	RW	4/16/2018 11:40	9/1/2018	6/1/2019	273
P030233	Intersection Improvements - SC 281 (Ribaut Rd) and Reynolds St	RD	4/16/2018 11:40	9/1/2019	6/1/2020	274
P030235	Intersection Improvements - US 301 (N Jones Rd) and SC 403 (N Bethel Rd)	RW	3/7/2018 17:03	4/1/2018	9/1/2018	153
P030238	Intersection Improvements - US 378 and S-134	RD	3/12/2018 14:55	7/1/2018	9/1/2019	427
P030239	Intersection Improvements - SC 9 and SC 410 (Green Sea Hwy)	RW	3/29/2018 14:45	4/1/2018	1/1/2019	275
P030239	Intersection Improvements - SC 9 and SC 410 (Green Sea Hwy)	RD	3/29/2018 14:45	5/1/2019	1/1/2020	245
P030240	Intersection Improvements - SC 522 (Rocky River Rd) and S-123 (Taxahaw Rd)	RW	3/7/2018 17:03	4/1/2018	9/1/2018	153
P030241	Intersection Improvements - US 76 and S-72 (Trinity Church Rd/Dial Pl)	RW	3/7/2018 17:03	4/1/2018	7/3/2018	93
P030242	Intersection Improvements - S-73 (Fish Hatchery Rd) and S-719 (Busbee Rd)	RW	3/29/2018 12:39	5/1/2018	1/1/2019	245
P030242	Intersection Improvements - S-73 (Fish Hatchery Rd) and S-719 (Busbee Rd)	RD	3/29/2018 12:39	6/1/2019	1/1/2020	214
P030243	Intersection Improvements - SC 12 (Percival Rd) and S-1196 (E Boundary Rd)	RD	3/21/2018 16:31	7/1/2018	3/1/2019	243
P030245	Intersection Improvements - US 76 (Garners Ferry Rd) and SC 263 (Vanboken Rd)	RW	3/29/2018 12:37	8/1/2018	2/1/2019	184
P030245	Intersection Improvements - US 76 (Garners Ferry Rd) and SC 263 (Vanboken Rd)	RD	3/29/2018 12:37	9/1/2019	2/1/2020	153
P030248	Intersection Improvements - SC 9 (Boiling Springs Rd) and Candler Ln	RD	1/29/2018 13:59	8/1/2019	4/1/2018	-487
P030250	Intersection Improvements - SC 11 (Highway 11 W) and S-58 (Parris Ridge Rd)	RW	3/29/2018 12:36	4/1/2018	3/1/2019	334
P030250	Intersection Improvements - SC 11 (Highway 11 W) and S-58 (Parris Ridge Rd)	RD	3/29/2018 12:36	5/1/2019	3/1/2020	305
P030251	Intersection Improvements - SC 9 (Boiling Springs Rd) and Rocky Branch Rd	RD	3/29/2018 12:19	8/1/2018	4/1/2020	609
P030387	US 29 over Devil Fork Creek	PE	7/17/2017 15:50	6/1/2018	10/1/2017	-243
P030388	US 76 EB over Broadway Creek	PE	11/27/2017 10:19	1/1/2019	10/10/2017	-448
P030389	US 25 NB over S-119 & North Saluda River	RW	7/14/2017 15:32	10/1/2018	10/1/2021	1096
P030389	US 25 NB over S-119 & North Saluda River	BR	7/14/2017 15:32	12/1/2019	2/1/2023	1158
P030393	2017 Federal Aid Primary Program	RD	10/25/2016 11:00	10/1/2016	1/1/2017	92
P030394	2017 Federal Aid Primary Program	RD	10/25/2016 11:01	10/1/2016	1/1/2017	92
P030398	2017 Federal Aid Secondary Program	RD	10/25/2016 11:01	10/1/2016	1/1/2017	92
P030399	US 76 over Reedy River	PE	11/29/2017 16:37	7/1/2018	11/29/2017	-214
P030403	US 29 over Southern Railroad	PE	3/13/2018 11:36	10/1/2018	3/8/2018	-207
P030423	SC 72 Bridge Replacement Over South Fork Creek	RW	10/24/2017 8:35	10/1/2023	10/1/2019	-1461
P030423	SC 72 Bridge Replacement Over South Fork Creek	RD	10/24/2017 8:35	10/1/2024	3/1/2025	151
P030424	SC 72 Bridge Replacement over Bear Creek	PE	6/28/2017 8:54	10/1/2018	7/1/2017	-457
P030424	SC 72 Bridge Replacement over Bear Creek	RW	10/24/2017 8:34	10/1/2023	10/1/2019	-1461
P030424	SC 72 Bridge Replacement over Bear Creek	RD	10/24/2017 8:34	10/1/2024	3/1/2025	151
P030425	SC 9 over Gills Creek	PE	6/28/2017 8:53	10/1/2018	7/1/2017	-457
P030425	SC 9 over Gills Creek	RW	10/16/2017 11:00	10/1/2023	10/1/2019	-1461
P030425	SC 9 over Gills Creek	RD	10/16/2017 11:00	10/1/2024	3/1/2025	151
P030426	SC 9 over Wildcat Creek	PE	6/28/2017 8:52	10/1/2018	7/1/2017	-457
P030426	SC 9 over Wildcat Creek	RW	10/16/2017 11:01	10/1/2023	10/1/2019	-1461
P030426	SC 9 over Wildcat Creek	RD	10/16/2017 11:01	10/1/2024	3/1/2025	151
P030427	SC 72 Bridge Replacement Over Tyger River	RW	10/16/2017 11:01	10/1/2023	10/1/2020	-1095
P030427	SC 72 Bridge Replacement Over Tyger River	RD	10/16/2017 11:01	10/1/2024	3/1/2025	151
P030430	2017 Federal Aid Secondary Program	RD	10/25/2016 11:01	10/1/2016	1/1/2017	92
P030440	2017 Federal Aid Secondary Program	RD	10/25/2016 11:01	10/1/2016	1/1/2017	92
P030452	US 17 over Edisto River (2)	BR	7/13/2017 9:01	11/1/2024	3/1/2024	-245
P030486	2017 NHS Federal Aid Primary Program (Orangeburg US 78)	RD	10/25/2016 11:01	10/1/2016	1/1/2017	92
P030492	2017 Federal Aid Secondary Program	RD	10/18/2016 15:42	3/1/2017	5/1/2018	426
P030512	2017 Federal Aid NHS Preservation Program	RD	12/6/2016 9:03	11/1/2016	2/1/2017	92
P030553	Butler Road (S-107) (Bridges Road to US 276)	RD	7/12/2017 15:12	3/1/2021	11/1/2021	245
P030554	Batesville Road (S-164) (Phase II) (Pelham Road to Pelham Road to the Parkway)	RD	8/28/2017 9:46	12/1/2020	10/1/2024	1400
P030554	Batesville Road (S-164) (Phase II) (Pelham Road to Pelham Road to the Parkway)	RW	6/5/2018 16:31	10/1/2019	10/1/2023	1461
P030562	US 17 Bypass (Shetland to Backgate)	RW	2/26/2018 15:46	10/1/2018	3/1/2019	151
P030562	US 17 Bypass (Shetland to Backgate)	RD	2/26/2018 15:46	10/1/2019	3/1/2020	152
P030674	Turn Lane - US 501 Bypass	RD	2/17/2017 15:42	10/1/2017	3/1/2018	151
P030677	Resurfacing - SC 38 from SC 79 to SC 9	RD	9/26/2017 16:32	10/1/2017	1/1/2018	92
P030680	Resurfacing - SC 385 (W. Main St) from US 15 to SC 9 Bus	RD	9/26/2017 16:31	10/1/2017	1/1/2018	92
P030681	Resurfacing - S-18 (Jennings St) from US 15 Bus to US 15 Byp	RD	1/26/2017 10:53	11/1/2016	4/1/2017	151
P030682	2017 NHS Federal Aid State Program	RD	10/25/2016 11:01	10/1/2016	1/1/2017	92
P030683	2017 NHS Federal Aid State Program	RD	10/25/2016 11:06	10/1/2016	1/1/2017	92
P030707	Old Fort Drive Multi-Use Path	RW	12/18/2017 15:07	4/1/2020	12/19/2017	-834
P030725	Intersection Improvements - US 76 (Clemson Blvd) @ S-439 (Davis Creek Rd)	RW	12/7/2017 10:41	3/1/2018	9/1/2018	184
P030725	Intersection Improvements - US 76 (Clemson Blvd) @ S-439 (Davis Creek Rd)	RD	12/7/2017 10:41	3/1/2019	9/1/2019	184
P030726	Intersection Improvements - SC 14 @ I-26 EB/WB Ramps	RD	6/5/2018 10:01	3/1/2020	10/1/2018	-517
P030731	I-77 (near MM 22 to near MM 27) (NB)	RD	12/11/2017 10:09	7/1/2018	10/1/2019	457
P030734	Intersection Improvements - Pinewood Rd at McCrays Mill	RW	3/1/2018 13:14	6/1/2018	9/1/2018	92
P030734	Intersection Improvements - Pinewood Rd at McCrays Mill	RD	3/1/2018 13:14	6/1/2019	3/1/2020	274
P030742	North Central Middle/High School Pedestrian Improvements	RD	2/6/2017 14:32	1/1/2018	7/1/2017	-184
P030744	North Randolph Avenue (S-1734) Pedestrian Safety Project - Phase III	RW	7/20/2018 11:24	10/1/2018	3/1/2020	517
P030784	S-461 over Tributary to Lynches River - 2016-1A Emergency Bridge Package (DR-4286)	RD	12/8/2016 15:41	4/1/2018	12/9/2016	-478
P030817	Section/Corridor Improvements - S-279 (Reid School Rd) MP 2.60 to MP 3.10	RW	3/29/2018 12:41	9/1/2018	12/1/2018	91
P030817	Section/Corridor Improvements - S-279 (Reid School Rd) MP 2.60 to MP 3.10	RD	3/29/2018 12:41	9/1/2019	12/1/2019	91
P030823	Intersection Improvements - SC 9 (Boiling Springs Rd) and 4th St./Shoally Creek Rd.	RW	12/6/2017 10:42	3/1/2018	8/1/2019	518
P030823	Intersection Improvements - SC 9 (Boiling Springs Rd) and 4th St./Shoally Creek Rd.	RD	12/6/2017 10:42	3/1/2019	9/1/2020	550
P030825	US 221/SC 28	RD	2/28/2018 10:34	2/1/2018	5/1/2018	89
P030831	Resurfacing - US 178 (Pickens County Line to S-29 (Harris Bridge Rd))	RD	9/22/2017 10:08	4/1/2018	10/1/2018	183
P030834	Intersection Improvements- US 29 @ S-146 (Bowlan Rd)/S-331 (Old Williamston Rd)	RW	12/14/2017 16:14	3/1/2018	3/1/2019	365
P030834	Intersection Improvements- US 29 @ S-146 (Bowlan Rd)/S-331 (Old Williamston Rd)	RD	12/14/2017 16:14	3/1/2019	3/1/2020	366
P030846	Preservation: S-77 (Rowland Avenue) and S-130 (Rowland Avenue)	RD	4/13/2017 14:32	9/1/2017	4/12/2017	-142
P030847	Bike/Ped: SC 55 (Kings Mtn/Bethel Street) from S-1086 (Barrett Rd) to Paul Ford Rd	RW	7/7/2017 15:25	10/1/2017	10/1/2018	365
P030853	(Type II) 3 Traffic Signal Upgrades in Beaufort with Mast Arms	RD	4/26/2017 12:10	4/1/2017	9/1/2017	153
P030869	Section/Corridor Improvements - S-233 (Wessinger Rd/St. Thomas Church Rd) MP 0.00 to MP 3.94	RD	9/15/2017 14:16	10/1/2017	9/1/2018	335
P030870	Section/Corridor Improvements - S-237 (Rhyne Rd) MP 0.00 to MP 2.14	RD	9/15/2017 17:20	10/1/2017	9/1/2018	335
P030871	Section/Corridor Improvements - S-30 (Pineland Rd) MP 0.00 to MP 3.97	RD	9/15/2017 13:53	10/1/2017	9/1/2018	335
P030878	Section/Corridor Improvements - S-438 (Greenhouse Rd/Todd Rd) MP 0.00 to MP 2.80	RD	9/15/2017 17:21	10/1/2017	9/1/2018	335

P030885	Section/Corridor Improvements - S-604 (Jeter Rd/Rawl Rd) MP 0.00 to MP 4.24	RD	9/15/2017 17:22	10/1/2017	9/1/2018	335
P030892	Section/Corridor Improvements - S-906 (Tower Rd/ Baldwin Rd) MP 0.00 to MP 4.23	RD	9/15/2017 17:22	10/1/2017	9/1/2018	335
P030895	S-36-32 (Jalapa Road) Bridge Jacking	RW	4/16/2018 16:02	4/1/2018	8/1/2018	122
P030896	S-36-81 (Old Whitmire Highway) Bridge Jacking	RW	6/12/2018 9:39	6/1/2018	12/1/2018	183
P030897	SC 121 Bridge Jacking	RW	6/12/2018 9:40	6/1/2018	12/1/2018	183
P030911	Pedestrian Improvements in the Town of Gray Court	RW	4/6/2018 10:10	4/1/2018	7/1/2018	91
P030911	Pedestrian Improvements in the Town of Gray Court	RD	4/6/2018 10:10	10/1/2018	3/1/2019	151
P031103	S-23 (Nichols Highway) Roadway & Drainage Reconstruction (DR-4286)	RD	1/17/2017 16:28	6/1/2017	1/18/2017	-134
P031751	S-45 (Lester Road) over the Little Pee Dee Swamp; 2 Bridge Replacements (DR-4286).	RW	5/14/2018 9:59	4/1/2019	6/1/2018	-304
P031751	S-45 (Lester Road) over the Little Pee Dee Swamp; 2 Bridge Replacements (DR-4286).	BR	5/14/2018 9:59	4/1/2020	6/1/2018	-670
P031843	SC 261 (Kingsree Hwy) Culvert and Road Washout Repair MP 18.92 (DR-4286)	RD	1/12/2017 16:46	6/1/2017	1/13/2017	-139
P032086	Section/Corridor Improvements - US 176 - S-728 (Old Monks Corner Rd) to US 52	RD	10/2/2017 10:01	9/1/2017	3/1/2020	912
P032094	Section/Corridor Improvements - US 278 - Near Jasper Co. Line to S-79 (Spanish Wells Rd)	RD	8/28/2017 10:11	9/1/2017	3/1/2020	912
P032102	I-526 from near Rivers Avenue (Exit 18) to near US 17 (Exit 30)	RD	7/16/2018 11:19	10/1/2023	6/1/2024	244
P032240	SC 20 Bridge Deck Replacements	BR	8/21/2017 10:50	8/1/2017	11/1/2017	92
P032271	Carolina Elementary Safe Routes to School	RW	12/4/2017 9:25	6/1/2018	11/30/2017	-183
P032272	Stone Academy Safe Routes to School	RW	6/27/2018 15:29	5/1/2018	8/1/2018	92
P032272	Stone Academy Safe Routes to School	RD	6/27/2018 15:29	1/1/2019	7/1/2019	181
P032274	Lakeview Elementary Safe Routes to School	RW	3/16/2018 9:27	6/1/2018	3/16/2018	-77
P032276	JP Thomas Elementary Safe Routes to School	RD	6/27/2018 15:12	1/1/2019	7/1/2019	181
P032283	US 21 over I-26 Deck Replacement	BR	2/13/2018 10:12	2/1/2018	8/1/2018	181
P032297	2018-2019 Interstate Guardrail Program	RD	5/31/2017 10:25	5/1/2017	2/1/2018	276
P032298	2018-2019 Non-Interstate Guardrail Program	RD	5/31/2017 10:28	5/1/2017	2/1/2018	276
P032300	2018-2019 Non-Interstate Guardrail Program	RD	5/31/2017 11:11	5/1/2017	2/1/2018	276
P032302	2018-2019 Interstate Guardrail Program	RD	5/31/2017 11:55	5/1/2017	2/1/2018	276
P032308	Non-Interstate NHS Pavement Program	RD	8/21/2017 12:08	9/1/2017	1/1/2018	122
P032339	2018-2019 Interstate Guardrail Program	RD	5/31/2017 12:50	5/1/2017	2/1/2018	276
P032340	2018-2019 Non-Interstate Guardrail Program	RD	5/31/2017 12:52	5/1/2017	2/1/2018	276
P032343	2018-2019 Non-Interstate Guardrail Program	RD	5/31/2017 10:21	5/1/2017	2/1/2018	276
P032345	2018-2019 Interstate Guardrail Program	RD	6/13/2017 18:30	6/1/2017	2/1/2018	245
P032346	2018-2019 Interstate Guardrail Program	RD	5/31/2017 12:47	5/1/2017	2/1/2018	276
P032347	2018-2019 Non-Interstate Guardrail Program	RD	5/31/2017 12:49	5/1/2017	2/1/2018	276
P032348	2018-2019 Non-Interstate Guardrail Program	RD	6/13/2017 18:31	6/1/2017	2/1/2018	245
P032353	Non-Interstate NHS Statewide Program	RD	8/22/2017 11:21	9/1/2017	11/1/2017	61
P032356	Non-NHS Primary Pavement Program	RD	8/22/2017 11:21	9/1/2017	1/1/2018	122
P032401	Non-Interstate NHS Primary Pavement Program	RD	8/22/2017 11:28	9/1/2017	1/1/2018	122
P032405	Non-Interstate NHS Primary Pavement Program	RD	8/22/2017 11:28	9/1/2017	1/1/2018	122
P032415	Non-Interstate NHS Pavement Program	RD	8/21/2017 12:05	9/1/2017	1/1/2018	122
P032508	Non-Interstate NHS Pavement Program	RD	8/22/2017 10:53	9/1/2017	1/1/2018	122
P032509	FA Secondary Pavement Program	RD	8/22/2017 10:53	9/1/2017	1/1/2018	122
P032566	Non-NHS Primary Pavement Program	RD	8/22/2017 11:22	9/1/2017	1/1/2018	122
P033580	FA Secondary Pavement Program	RD	8/22/2017 11:28	9/1/2017	1/1/2018	122
P033584	Federal Aid Secondary Pavement Program	RD	8/22/2017 11:29	9/1/2017	1/1/2018	122
P034705	Intersection Improvements - Bentree Lane at US 76 and David McLeod Blvd (I-20 Spur)	RW	1/22/2018 12:12	11/1/2018	2/1/2018	-273
P034705	Intersection Improvements - Bentree Lane at US 76 and David McLeod Blvd (I-20 Spur)	RD	1/22/2018 12:12	5/1/2020	8/1/2018	-639
P034707	Non-Interstate NHS Pavement Program	RD	8/22/2017 11:22	9/1/2017	1/1/2018	122
P037197	S-18-55 Emergency Bridge Beam Repair in Dorchester County	BR	4/18/2018 15:24	3/21/2018	8/1/2018	133

Appendix 2 – Project Scoping Survey

UPGRADE

CREATE SURVEY

quattleblb

Don't limit yourself. Ask more than 10 questions and get all the answers you need. [See all plans »](#)

Project Scoping Survey



SUMMARY → DESIGN SURVEY → PREVIEW & SCORE → COLLECT RESPONSES → ANALYZE RESULTS →

PRESENT RESULTS

NEXT →



Page Logic ▼

More Actions ▼

⊕ UPGRADE TO ADD A LOGO

Project Scoping Survey

⊕ PAGE TITLE

1. How long have you held a position in program management?

- Less than 1 year
- 1-2 years
- 2-5 years
- More than 5 years

2. At what point during the project development process do you hold a scoping meeting?

- I have never participated in a scoping meeting.
- Before the project is entered into the STIP.
- After PE funds are obligated, but before any work has occurred on the project.
-

— After PE funds are obligated and traffic/environmental information is obtained.

3. What project data is typically provided at the scoping meeting? (Ex: ADT, environmental impacts, conceptual design, etc.)

4. Who is invited to the scoping meeting?

5. Do you use an outline to ensure certain topics are discussed at the scoping meeting? If so, would you please email me a copy of the document?

Yes

No

6. How would you describe most scoping meetings?

Extremely valuable

Not so valuable

Very valuable

Not at all valuable

Somewhat valuable

7. Who develops the purpose and need for most of your projects?

Program Manager

Environmental Office

Planning Office

Project Sponsor (MPO, COG, County, etc)

Other (please specify)

8. Who develops the initial schedule for most of your projects?

- Project Sponsor Design Staff
- Project Manager Scheduling Software
- Other (please specify)

9. Who develops the initial cost estimate for most of your projects?

- Project Sponsor Design Staff
- Program Manager Support Staff
- Other (please specify)

10. During the development of your projects, what modifications have been made to the scopes that have delayed the schedules?

[+](#) NEW QUESTION



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DONE

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0 of 10 answered

[+](#) NEW PAGE

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Appendix 3 – Project Scoping Form

**INTERSECTION IMPROVEMENT SCOPING REPORT
PROJECT ID #**

General Project Information	
Project Name	
County	
City	
Project Sponsor	

Existing Conditions				
	Leg 1	Leg 2	Leg 3	Leg 4
Road Name				
Typical Section				
ADT				
Functional Classification				
Existing R/W Width				
File No. Reference				
Design Speed				
Posted Speed				
# of Accidents				
Pedestrian Facilities	Yes	No	If yes, describe	
Bicycle Facilities	Yes	No	If yes, describe	
Designated Bicycle Route	Yes	No		
RR Present	Yes	No	If yes, RR Company	
Transit/Multimodal Present	Yes	No	If yes, describe	
Costly Items Present	Bridge	Culvert	Retaining Wall	Other
Deficiencies				

Proposed Improvements		
Project Goals	Geometric Improvements	
	Capacity Improvements	
	Access Management	

	Other		
Controversial	Yes	No	If yes, explain
Drainage Facilities	Open	Closed	Both
Pedestrian Facilities	Yes	No	If yes, describe
Bicycle Facilities	Yes	No	If yes, describe
Transit/Multimodal	Yes	No	If yes, describe
New ROW	Yes	No	Unknown
Relocations	Yes	No	If yes, explain
Impacts to ODA	Yes	No	If yes, explain
Potential ROW Damages to Consider	Parking		
	Uneconomical Remain		
	Setbacks		
	Access		
	Signs		
	Removal of Landscaping		
	Other		
Municipal Agreement	Yes	No	
Signal	None	Std.	Mast Arm Adaptive
Detour Needed	Yes	No	If yes, explain
Review for Project Overlap	Safety		
	Maintenance		
	Local		
	Bridge		
	Future Guideshare		
	Other		

Environmental			
Wetlands/Streams	Yes	No	If yes, explain
Permit Anticipated	None	GP	IP
Mitigation Availability	Wetland	Stream	PRM
303(d) Impaired Waters	Yes	No	If yes, explain
Floodplains	Yes	No	If yes, explain
Cultural	Yes	No	If yes, explain
UST/Hazardous Materials	Yes	No	If yes, explain
Threatened/Endangered Species	Yes	No	If yes, explain
4(f) Public Properties	Yes	No	If yes, explain
Low Income/Minority Housing	Yes	No	If yes, explain

Farmlands	Yes	No	If yes, explain	
Air Quality (Rock Hill Area)	Yes	No	If yes, explain	
Noise Study Needed	Yes	No	If yes, explain	
Public Involvement	None	Website Information Meeting	Post Cards Other	Public
Environmental Document	None	Programmatic CE	EA	EIS

Utilities			
SC 811 Ticket Submitted	Yes	No	If yes, what date?
Utilities (Include Name)	Overhead Electric		
	Underground Electric		
	Water		
	Sewer		
	Gas		
	Communication		
	Other		
Impacts Anticipated	Yes	No	If yes, explain
Utility Prior Rights	Yes	No	If yes, explain
SUE Level Recommendation	None	A	B C D
In-contract Utility Work	Yes	No	If yes, explain

Funding		
Funding Sources		
Sponsor's Cost Estimate		
Scoped Budgets	Preliminary Engineering	\$
	Right-of-Way	\$
	Construction	\$
	Utilities	\$
	Mitigation	\$
	Total	\$

Project Delivery		
Delivery Method	SCDOT Design Build	Consultant LPA

Schedule	Preliminary Engineering	months to complete
	Right-of-Way	months to complete
	Construction	months to complete
Timing Constraints	Seasonal Traffic Counts	
	Aerial Imagery	
	Utility Window	
	Construction Restrictions	
	Environmental Restrictions	

Scoping Participants	
MPO/COG	
County	
City/Town	
Program Manager	
Design Manager	
Road	
Hydro	
Structures	
Geotech	
Traffic	
ESO	
HQ ROW	
District ROW	
RCE	
DCE	
RME	
DTE	
Planning	
Pavement Design Eng.	
Additional Participants	

Appendix 1 – Typical Section

Appendix 2 – Conceptual Design