

**Carolina Crossroads  
Project ID P043325**

# **PRELIMINARY ENGINEERING UTILITY COORDINATION REPORT**

**Carolina Crossroads Project**

**Phase 3C – I-20 Widening and Saluda River and  
CSX Bridge Replacements**

**Project ID P043325**

**Lexington County**



**August 1, 2024**



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\*Information provided is For Information Only. DBT will be responsible for verification and continuation of effort. See individual folders in electronic submission for additional information and details.

\*\*Several new facilities have been installed since the original SUE base mapping was created in May 2019 and are NOT shown. See Appendix E, Section E: Encroachment Permit Log for list of permits filed since SUE was complete.

## 1. Approach Summary

STV was tasked to provide Preliminary Engineering Utility Coordination services for the I-20/ I-26/ I-126 “Carolina Crossroads” (CCR) project located between US 176 on I-26 to US 378 on I-26 and Broad River at I-20 to Bush River Road at I-20. This report will only address items located in Phase 3C project area. Phase 3C area consists of I-20 between east of US 378 at milepoint 61.2 to west of Bush River Road (S-273) interchange at milepoint 63.0, including the reconstruction of Saluda River and CSX bridges, which consists generally in Lexington County.

This utility coordination was accomplished through the combined efforts of a Utility Coordination Team (UCT) which included members from SCDOT, HDR, STV, and utility stakeholders. The result of this effort includes proposed preliminary relocation plans for each utility within the project limits. These plans were then used to develop preliminary utility relocation quantities for the cost estimate for those utilities with prior rights, those who qualify for the Utility Relocation Act, and utilities electing to go in-contract, and potential environmental and right of way impacts.

Potential conflicts associated with roadway widening, drainage, new right of way (ROW), and constructability were evaluated depending on existing and proposed conditions, utility type, and long-term maintenance access. The criteria and preliminary utility plans were governed by the following:

- Individual Utility Owner input (see individual utility sections below).
- Meetings with the respective utility owners and peer reviews.

Proposed utility services to existing residences and commercial properties were not included because these new services will be addressed later in final design.

The UCT held an initial round of group and individual utility meetings to discuss the project and review existing utilities, potential conflicts, the owners’ criteria and concerns, proposed resolutions, and estimated costs. All the information compiled from these meetings was used to develop the design criteria, create the preliminary utility relocation plans, and calculate quantities for the preliminary cost estimate. These plans were then shared with the respective utility owners for their review and input. Peer reviews with the utility owners were requested to ensure the understanding of their facilities was being addressed properly with the proposed utility relocations and to request cost estimates for similar types of relocations. **It was understood that these peer reviews did not constitute approval and acceptance by the utility owners.** The intent was that the approach to conflict resolution was in line with their normal practices and that potential conflicts were agreed upon.

The utility owners cannot make commitments to relocation plans and costs until final Phase 3C CCR plans are near completion and full engineering studies are performed by the utility owner. Revisions to the utility relocation plans and quantity estimates were made following the peer reviews.

The remaining sections of this report summarize the results of the preliminary utility relocation effort for each utility. The appendices contain utility owner contact information, a quick reference table (QRT), base mapping, preliminary relocation plans (U-sheets), encroachment permits for new installation since Level B SUE was obtained by SAM, and other pertinent utility report contents.

## 1-2. Notable Items

- Early coordination efforts were the development of a utility task force responsible for reviewing various avenues to reduce risk for the DBT, SCDOT, utility owners, and ultimately, the traveling public.
- The key partnership agreement items were as follows: No project could be compared to this one since this is the first of its kind in size and complexity in South Carolina; All parties needed to be open minded to ideas; All parties needed to protect their interest as well as demonstrate partnership. This required everyone to be honest, to think outside the box, and to work together to address any conflicts.
- Utilities expressed concern about starting utility relocations too early in the process. They understood this will put a lot of pressure on all parties once plans are complete enough to proceed with relocation options. It is recommended that DBT provide suitable plans ASAP and **avoid making unnecessary** design changes that could impact the utilities efforts to relocate. It is imperative that the DBT review changes with the affected utility owner and provide **constant communication** throughout all stages of design, ROW, and construction. DBT should provide plans with **specific notable changes**, so utility owners are not having to determine what specifically was revised.
- The NEPA process and setting the limits of the project were explained to all the owners. The Record of Decision (ROD) defines the proposed “footprint” and should be conservative enough to allow for alignment changes; however, the DBT could elect to go outside the proposed project plan limits with their Alternative Technical Concepts (ATC). If a DBT teams chooses this option, they would have to go back through the environmental permitting process, which could take a lot of extra time. The intent is for this not to occur, but there are no guarantees at this point.
- Right of Way (ROW) acquisition will be performed under plan cover P027662 in accordance with the Request for Proposals (RFP). The purpose of obtaining ROW was to reduce risk to the DBT as well as provide utilities a place to relocate early in the DB process. **It is the intent for the DB contractor to clear and perform removing & disposal items soon after NTP to provide enough time for relocations and minimize schedule delays.**
- There are no set utility windows for this phase. See *Appendix B Quick Reference Table* for design, permitting, and relocation timeframes. **DBT will be responsible for coordinating relocation schedules into overall project schedule for the DBT.**

- Prior rights documentation was requested for all major items; however, this is an on-going process due to time constraints and limited resources. Prior rights identified in this report are based on Level B SUE in relation to property limits shown as well as any known easements.
- Potential Conflict Identification based on the modified selected alternative (MSA) and ROD project limits.
- Relocation options were created for the following purposes. These relocation options shown in this report are for information only since the final design is not known; however, the DBT should be aware that the utilities have taken part in those developments and told that these were subject to change.
  - Agreement cost estimates
  - Right of Way availability for relocation – Evaluation of risk that there will not be enough room for potential relocations
  - Feasibility of relocations due to constructability
- Based on discussions with the US Army Corps of Engineers additional permitting and possible mitigation will be required outside of SCDOT’s Conditional Individual Permit that was secured for highway construction.

### 1-3. Future Utilities and No Conflict Utilities

There has been no indication of new utility owners in Phase 3C since the development of this report; however, new facilities have been installed and are NOT included in the base mapping of this report. New facilities of existing owners have been reported. DBT will be responsible for verifying this information. All new encroachment permits have been logged and included in this report (See *Appendix E: Encroachment Permit Log and Permits*).

Conterra/Crown Castle, SEGRA, LUMEN, and Lexington Medical Center do not have facilities in the area. See *Appendix E: Encroachment Permit Log & Permits* for log of permits.

It is assumed that no project improvements are occurring beyond the limits shown on the U-sheets (see *Appendix D: Utility Conflicts & Recommended Relocations*). No timeframes, costs, relocation options, etc. have been accounted for anything outside these limits in this report. **If these areas are impacted by the DBT, it will be the responsibility of DBT to coordinate all relocation efforts and account for impacts in their schedule.**

### 1-4. Project Phasing

The utilities were first introduced to the project as one mega project. After the original procurement was canceled in May 2019, all previous agreements and discussions were placed on hold. Coordination efforts started again in late August/early September 2019 once the project phasing was determined. Then again in October 2023 after the cancellation of Phase 3.

Project Phases <https://www.scdotcarolinacrossroads.com/>

- Phase 1 – Rebuild Colonial Life Blvd. at I-126 Interchange
- Phase 2 – Rebuild Broad River Road at I-20 Interchange
- Phase 3A – Frontage Road and Critical Utility Relocations
- Phase 3B – Clearing and Grubbing
- Phase 3C – I-20 Widening
- Phase 3D – I-20/ I-126 Improvements
- Phase 4 & 5 - I-26 Widening
- Phase 3E - I-20/ I-26 System to System Interchange

**1-5. Project Schedule**

The following dates were provided to the utility owners recent emails and individual meetings.

Project Timelines <https://www.scdot.org/business/design-build-active.aspx>

The utilities were told it would take approximately one year from RFQ to negotiate with the contractor before issuing Notice-to-Proceed. It will then be approximately one year to start construction. The intent of the early UC effort was to utilize this time to begin and/or complete utility relocations especially those of critical nature outside of in-contract items.

*Table 1: Project Schedule provided to utility owners*

	RFQ	RFP Industry Review	Final RFP	Bid Opening
Phase 1	4/2020	7/2020	9/2020	3/2021
Phase 2	7/2020	9/2020	11/2020	5/2021
Phase 3C	5/2022	8/2024	10/2024	4/2025

**1-6. Meetings Held**

- Group Meetings
  - Utility Introduction Meeting
  - Preferred Recommended Alternative and Conflict Impacts
  - Partnering Agreement Meeting
- Right of Way Acquisition
- Individual Utility Owners

**1-7. Subsurface Utility Engineering (SUE) Overview**

It was recommended that Level B SUE be performed under the design build prep, so all proposing DBT would have the same information, providing a better level of accuracy to minimize impacts and reduce risk; to improve safety by reducing field investigations from multiple proposers; reduce redundant SUE required under RFP. SAM (a.k.a. So-Deep), KCI, and GEL performed Level B SUE for all the main lines and several hundred feet along the crossing route of the interchanges. SAM was the only firm performing SUE in Phase 3C. **NOTE: During early coordination and design-build prep efforts, edits were made to the SUE dgn file provided by SAM due to comments provided by utility owners. DBT shall use the file titled “u849pp\_2d\_STV.dgn” to review those modifications; however, these do not include all new facilities.**



During the Phase 3 procurement in 2023, additional Level B SUE was performed along I-20, Davega Drive, and Riverchase Way from the previous I-20 SUE limits to the end of the project area along I-20. Additional Level A SUE was performed by the proposers during the Phase 3 procurement, and this included test holes in the Phase 3C project area.

After the project was rephased in early 2024, additional SUE was performed in the Phase 3C project area. This additional SUE included Level B SUE in the project area, and Level A SUE on the 30" City of Columbia force main.

There could be a need for additional SUE depending on final project limits set by the DBT. Reference the electronic SUE files for limits performed under the design-build prep. These are also found on SCDOT's Design Build website in the project information package as well. Also reference the *Appendix E: Encroachment Permit Log & Permits* for log and actual permits for new installation since SUE was performed. **Additionally, due to the age of the SUE provided with this package including items previously noted, it will be the DBT's responsibility to verify the accuracy the SUE information provided.**

**1-8. Tracking Spreadsheets**

The purpose of the tracking spreadsheets is to provide the latest status of events as well as where we are in the process of collecting agreements, letters, plans, etc. It also notes what items are not expected under this phase either due to it not being applicable, or there are no conflicts. **Please note that it will be the DBT's responsibility to continue all remaining utility coordination effort and any other related functions as defined under this contract.** These spreadsheets can be found under *Appendix F: Tracking Spreadsheets*.

**1-9. Project Delineation**

For the individual utility sections, summaries will use baseline references for identification. The station ranges for those sections are noted in the table below. Some relocations may continue beyond the stations shown to tie back to existing facilities (i.e. poles, splice points). Detailed breakdowns will be shown in the conflict matrix following each plan sheet.

BASELINE/ ROADWAY	STATION	STATION	COMMENTS
I-20	30+00	194+00	Use for cross lines

**1-10. Abbreviations** (Report Only. SUE abbreviations noted in U-sheets)

Table 2: List of commonly used abbreviations within the Utility Coordination Report

Abbreviation	Name/ Description	Abbreviation	Name/ Description
ATC	Alternative Technical Concept	CCR	Carolina Crossroads
COC	City of Columbia	CL	CenturyLink / Lumen
CT	Count	DE	Dominion Energy
DB	Design-Build	DOA	Department of Administration
DI	Ductile Iron	DBT	Design-Build Team
FEIS	Final Environmental Impact Statement	FHWA	Federal Highway Administration
G	Gas	JUDB	Joint-Use Duct Bank (multiple owners)
MSA/ SA	Modified Selected Alternative / Selected Alternative used for ROD/FEIS	MOA	Memorandum of Agreement – Utility agreement for in-contract work between SCDOT and Utility Owner
		P	Power
PR	Pair	PVC	Polyvinyl Conduit
QRT	Quick Reference Table	RFP	Request for Proposals
RFQ	Request for Qualifications	ROD	Record of Decision
ROW	Right of Way	SCDOT	South Carolina of Department of Transportation
SCWU	South Carolina Water Utilities	SCW-PWR	South Carolina Water Utilities – Palmetto Utilities
SCW-SYN	South Carolina Water Utilities - Synergy	SUE	Subsurface Utility Engineering
T	Transmission	TBD	To Be Determined by DBT
T-DB	Telecommunication Duct Bank (single owner)	U-sheets	Utility Relocation Plans (preliminary)
UA	Utility Agreement – Prior Rights reimbursement agreement	UCT	Utility Coordination Team

**2. AT&T**

AT&T is the main communication distribution service provider in this area. They have direct buried copper and fiber cables within the Phase 3C limits. AT&T indicated they had no planned future facilities within the assumed area of Phase 3C other than typical development and upgrades. Verify new facilities with AT&T and Encroachment Permit log.

Per Section 2-1, AT&T has identified to not go in-contract and it is anticipated that the final design, plans, and specifications for the fiber and copper cables will be developed by AT&T, or a contractor that they hire. AT&T will install any direct buried facilities, comm lines within the conduit system, and any overhead attachments. **See Section 2-3 for further details.**

**2-1. Communication Cables**

*Table 3: AT&T existing communication facilities and relocation options\**

Existing Utility	Relocation Option	In-Contract
Direct buried copper and fiber cables as well as cables in conduit along the following roads: I-20, Bush River Rd, Davega Drive , and Riverchase Way	Relocate impacted facilities along I-20	No
OH attachments on DE poles along west side of St. Andrews Blvd., north side of Fernandina Road, south side of Jamil Road, east side of Burning Tree Drive, south side Zimalcrest Drive	Relocate to new pole line, if necessary	No

*\*Existing Utilities: Utilities mapped in dgn SUE file. These do not include any utilities outside project limits or were installed after SUE data was collected. Relocation Option: This is a preliminary resolution option based on MSA design concept. DBT's final design will be used to determine if the utility conflicts and what is an acceptable resolution in accordance with SCDOT's Utility Accommodations Manual. In-Contract: Utilities identified to be performed by DBT.*

**2-2. Prior Rights and Cost Responsibility**

AT&T does not appear to have prior rights in this phase of construction. They will be responsible for 100% of cost relocations. Any costs provided to UCT were provided by AT&T as a high-level estimate for information only. AT&T has provided some documentation areas they believe they have prior rights. At the time of this report, those documents did not appear to be within the project limits. DBT will need to verify this and any additional documents AT&T presents.

DBT needs to collect No Cost letters, encroachment permits, and final relocation plans when processing their paperwork.

**2-3. Proposed New Conduit System**

AT&T has agreed to be attached to the new I-20 bridge over the Saluda River and allow the contractor to install the conduit on the bridge. AT&T requires four (4) 4-in conduits and associated appurtenances.

It is anticipated that the final design, plans and specifications for modifications to AT&T facilities will be performed out of contract by AT&T for the areas identified above. See *Appendix F: Tracking Spreadsheet* for status update.

### 3. Charter Spectrum - CATV

Charter is the main cable TV (CATV) service provider within the CCR project limits. They have coaxial and fiber aerial attachments and buried facilities throughout the project limits, which are directly impacted by the CCR project.

The aerial relocations are governed by Dominion Energy – Distribution’s (DE-D) relocations. Wherever DE-D relocates their overhead pole line, whether overhead (OH) or underground (UG), then Charter will follow. CATV companies are rarely on their own pole line. Charter can attach to telephone or power company owned poles or bury their lines within SCDOT ROW. Charter will only bury their existing overhead lines because either the pole attachment agreement with DE-D was not approved, or a developer of the area will not allow overhead lines. Existing buried lines that are impacted will be relocated underground.

Charter’s facilities along Davega Dr. are near the Phase 3C project area, but we do anticipate their facilities to be relocated.

### 4. City of Columbia (water, sewer)

The City of Columbia (COC) owns and maintains the water and sewer facilities in the CCR Phase 3C project area.

#### 4-1: Sewer Lines:

Table 4a: COC existing sewer facilities and relocation options\*

Existing Utility	Relocation Option	In-Contract
30-inch Sanitary Sewer Force Main	Relocate	No

**\*Existing Utilities:** Utilities mapped in dgn SUE file. These do not include any utilities outside project limits or were installed after SUE data was collected. **Relocation Option:** This is a preliminary resolution option based on MSA design concept. DBT’s final design will be used to determine if the utility conflicts and what is an acceptable resolution in accordance to SCDOT’s Utility Accommodations Manual. **In-Contract:** Utilities identified to be performed by DBT.

#### 4-2. Prior Rights

COC has estimated overall 30% prior rights with 100% prior rights for specific facilities. COC provided the easement documentation for all these facilities and were sent to SCDOT to be certified. The final cost share will be accounted for in the final Memorandum of Agreement (MOA) with SCDOT. See *Appendix F: Tracking Spreadsheets* for latest status of agreement.

#### 4-3. Utility Relocation Act

COC qualifies for reimbursement under the SC Utility Relocation Act as a large utility. This reimbursement is for costs that do not qualify for prior rights.



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It is anticipated that the final design, plans, and specifications for modifications to COC water and sanitary sewer facilities will be performed by Others. See *Appendix F: Tracking Sheets* for current document status.

## 5. Department of Administration (DOA) (Fiber)

Department of Administration (DOA) has underground fiber cables located within the limits of the CCR Phase 3C project.

It is anticipated that the DBT will be responsible for the conduit, fiber, and handhold design and installation for DOA use should they impact DOA's facilities. DOA will perform the cutovers and splicing once the DBT installs the infrastructure and fiber.

### 5-1. Communication Lines

Table 5: Department of Administration existing communication facilities and relocation options\*

Existing Utility	Relocation Option	In-Contract
96-ct fiber buried along Bush River Ramp F	Remain in place	Yes

**\*Existing Utilities:** Utilities mapped in dgn SUE file. These do not include any utilities outside project limits or were installed after SUE data was collected. **Relocation Option:** This is a preliminary resolution option based on MSA design concept. DBT's final design will be used to determine if the utility conflicts and what is an acceptable resolution in accordance to SCDOT's Utility Accommodations Manual. **In-Contract:** Utilities identified to be performed by DBT.

### 5-2. Prior Rights and Cost Responsibility

DOA reviewed U-sheets and provided cost estimate. They do not have prior rights and all relocation costs will be at No Cost to SCDOT. DBT will be responsible for all coordination, collecting relocation plans, encroachment permits, and No Cost letter for final approval.

### 5-3. Proposed New Conduit System

DOA has agreed for the sake of the project and due to limited available ROW, project access, to reduce risk for damages associated with earlier relocation efforts, and to help project schedule, to relocate under the DB contract. Their approved relocation options are as follows:

- a. Single owner conduit system outside the C/A,
- b. JUDB with other communication owners,
- c. Inside the C/A as single owner. SCDOT has agreed to allow them to relocate in the C/A like they currently exist even though SCDOT will not install their ITS system under the DB contract. DOA will be in a separate trench when they depart from SCDOT's ROW should this option be chosen.

DOA requires a 144 ct fiber in one (1) 4-in conduit with a handhold every 500-ft and at tie points. The handhold size will be 30" x 48" x 24". See DOA's criteria for further details.



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It is anticipated that the final DOA facilities will be performed in-contract by DBT for the areas identified above. See RFP for standard specifications, design criteria, details, list of qualified designers and contractors, and other criteria items. See *Appendix F: Tracking Spreadsheet* for status update.



**6. Enterprise Products Partners L.P. (Dixie Pipeline) – Gas (petroleum)**

Dixie Pipeline (DP) has an 8-in steel gas line crossing under I-26 within the CCR project limits and an 8-in steel gas line within a 12-in casing crossing under I-20. DP was provided utility relocation plans to review. Based on their review, they agree with potential conflicts and resolutions identified on the proposed plans.

It is anticipated that the final design and installation for modifications to DP facilities will be developed by the DBT. See *Appendix F: Tracking Spreadsheet* for status update.

**6-1. Petroleum Gas Lines**

*Table 6: DP existing gas facilities and relocation options\**

Existing Utility	Relocation Option	In-Contract
8-in steel gas line with 12-in steel casing crossing at I-20 STA 62+00	Remain in place	Yes

*\*Existing Utilities: Utilities mapped in dgn SUE file. These do not include any utilities outside project limits or were installed after SUE data was collected. Relocation Option: This is a preliminary resolution option based on MSA design concept. DBT’s final design will be used to determine if the utility conflicts and what is an acceptable resolution in accordance to SCDOT’s Utility Accommodations Manual. In-Contract: Utilities identified to be performed by DBT.*

**6-2. Prior Rights and Cost Responsibility**

DP does not appear to have prior rights on their existing facilities. Costs will be 100% on DP. It is anticipated that the final DP facilities will be performed in-contract by DBT for the areas identified above. See RFP for standard specifications, design criteria, details, list of qualified designers and contractors, and other criteria items.

## 7. Dominion Energy – Gas Distribution

Dominion Energy Gas (DE-G) has distribution gas lines ranging from 2-inch plastic to 6-inch steel throughout the CCR project limits. DE-G was provided utility relocation plans to review. Based on this peer review, DE-G does not appear to have facilities that will be impacted in the Phase 3C area but adjacent to the project area.

### 7-1. Distribution Gas Lines

Table 7: DE-G existing gas facilities and relocation options\*

Existing Utility	Relocation Option	In-Contract
Gas lines along the following locations: Riverchase Way	Remain in place	No
4-in steel gas along the following locations: I-20 and Bush River Road	Remain in place	No

**\*Existing Utilities:** Utilities mapped in dgn SUE file. These do not include any utilities outside project limits or were installed after SUE data was collected. **Relocation Option:** This is a preliminary resolution option based on MSA design concept. DBT's final design will be used to determine if the utility conflicts and what is an acceptable resolution in accordance to SCDOT's Utility Accommodations Manual. **In-Contract:** Utilities identified to be performed by DBT.

### 7-2. Prior Rights and Cost Responsibility

DE-G reviewed U-sheets and it appears they do not have prior rights. All relocation costs will be at No Cost to SCDOT. DBT will be responsible for all coordination, collecting relocation plans, encroachment permits, and No Cost letter for final approval.

**8. Dominion Energy (Power Distribution & Transmission)**

Dominion Energy Power Distribution (DE-D) has several systems that will be affected by the CCR project including their existing distribution network, ITS feeds, and new services to proposed CCR facilities. Dominion Energy Power Transmission (DE-T) has overhead crossings over I-20 that should not have conflicts.

DE-D indicated that they had no planned future facilities that may affect the project other than typical development and upgrades. It is anticipated that the final design, plans, and specifications for modifications to Dominion Energy facilities will be developed by Dominion Energy, or a contractor whom they hire.

**8-1. Dominion Energy Power Distribution**

*Table 8a: DE-D existing power distribution facilities and relocation options\**

Existing Utility	Relocation Option	In-Contract
OH poles with attachments located along the following**: Bush River Road	Remain in Place	No

\*\* does not include service drops or side road crossings

**8-2. Dominion Energy Power Transmission**

*Table 8b: DE-T existing power transmission facilities and relocation options\**

Existing Utility	Relocation Option	In-Contract
OH power crossings: I-20 at STA 67+00	Remain in Place	No

**\*Existing Utilities:** Utilities mapped in dgn SUE file. These do not include any utilities outside project limits or were installed after SUE data was collected. **Relocation Option:** This is a preliminary resolution option based on MSA design concept. DBT's final design will be used to determine if the utility conflicts and what is an acceptable resolution in accordance to SCDOT's Utility Accommodations Manual. **In-Contract:** Utilities identified to be performed by DBT.

**8-3. Criteria, Prior Rights, and Cost Responsibility**

DE-D agreed to the preliminary assessment of conflicts and proposed relocations. It was assumed DE-D would be able to provide prior rights on up to 75% of their facilities. DE-D has not provided their prior rights documentation at the time of this report; however, DBT will continue to pursue acquiring, reviewing, and certifying these rights as they are received.

**8-4. Dominion Energy Power Distribution (power feeds to ITS)**

DBT will coordinate with DE-D for power feeds to any proposed ITS, overhead signs, and signals, as needed.

**9. Verizon (f.k.a. MCI) Communications**

Verizon (MCI) has overhead and underground fiber cables located within the limits of the CCR Phase 3C project. No impacts are anticipated for MCI facilities within Phase 3C. See *Appendix F: Encroachment Log & Permits* for encroachment log and permits for specific locations.

**9-1. Communication Lines**

*Table 9: Verizon existing communication facilities and relocation options\**

Existing Utility	Relocation Option	In-Contract
Buried UG fiber cables along the following locations: Riverchase Way	Retain	No

*\*Existing Utilities: Utilities mapped in dgn SUE file. These do not include any utilities outside project limits or were installed after SUE data was collected. Relocation Option: This is a preliminary resolution option based on MSA design concept. DBT's final design will be used to determine if the utility conflicts and what is an acceptable resolution in accordance to SCDOT's Utility Accommodations Manual. In-Contract: Utilities identified to be performed by DBT.*

**9-2. Prior Rights and Cost Responsibility**

Verizon (MCI) reviewed U-sheets and it appears they do not have prior rights. All relocation costs will be at No Cost to SCDOT. DBT will be responsible for all coordination, collecting relocation plans, encroachment permits, and No Cost letter for final approval.

## 10. Comporium Communications

Comporium has underground fiber cables located within the limits of the CCR Phase 3C project. No impacts are anticipated for Comporium facilities within Phase 3C. See *Appendix F: Encroachment Log & Permits* for encroachment log and permits for specific locations.

### 10-1. Communication Lines

*Table 10: Comporium existing communication facilities and relocation options\**

Existing Utility	Relocation Option	In-Contract
Buried UG fiber cables along the following locations: Riverchase Way	Retain	No

*\*Existing Utilities:* Utilities mapped in dgn SUE file. These do not include any utilities outside project limits or were installed after SUE data was collected. **Relocation Option:** This is a preliminary resolution option based on MSA design concept. DBT's final design will be used to determine if the utility conflicts and what is an acceptable resolution in accordance to SCDOT's Utility Accommodations Manual. **In-Contract:** Utilities identified to be performed by DBT.

### 10-2. Prior Rights and Cost Responsibility

Comporium reviewed U-sheets and it appears they do not have prior rights. All relocation costs will be at No Cost to SCDOT. DBT will be responsible for all coordination, collecting relocation plans, encroachment permits, and No Cost letter for final approval.

## 11. City of West Columbia

The City of West Columbia (CoWC) owns and maintains the water facilities in the CCR Phase 3C project area. No impacts are anticipated for CoWC facilities in Phase 3C.

### 11-1. Water Lines:

Table 11: CoWC existing water facilities and relocation options\*

Existing Utility	Relocation Option	In-Contract
Water Lines along the following locations: Riverchase Way and Davega Dr.	Remain in Place	Yes

**\*Existing Utilities:** Utilities mapped in dgn SUE file. These do not include any utilities outside project limits or were installed after SUE data was collected. **Relocation Option:** This is a preliminary resolution option based on MSA design concept. DBT's final design will be used to determine if the utility conflicts and what is an acceptable resolution in accordance to SCDOT's Utility Accommodations Manual. **In-Contract:** Utilities identified to be performed by DBT.

### 11-2. Prior Rights

CoWC has not provided the easement documentation for all these facilities, but it is not anticipated that they have prior rights on these facilities. See *Appendix F: Tracking Spreadsheets* for latest status of agreement.

### 11-3. Utility Relocation Act

CoWC qualifies for reimbursement under the SC Utility Relocation Act as a large utility. This reimbursement is for costs that do not qualify for prior rights.

## 12. Town of Lexington

The Town of Lexington (TOL) owns and maintains the water facilities as well as the effluent sewer transmission gravity system in the CCR Phase 3C project area.

### 12-1. Sewer Lines:

Table 12: TOL existing sewer facilities and relocation options\*

Existing Utility	Relocation Option	In-Contract
10-inch effluent line along the following locations: I-20 and Davega Dr.	Abandon	Yes

**\*Existing Utilities:** Utilities mapped in dgn SUE file. These do not include any utilities outside project limits or were installed after SUE data was collected. **Relocation Option:** This is a preliminary resolution option based on MSA design concept. DBT's final design will be used to determine if the utility conflicts and what is an acceptable resolution in accordance to SCDOT's Utility Accommodations Manual. **In-Contract:** Utilities identified to be performed by DBT.

### 12-2. Prior Rights

TOL has not provided the easement documentation for all these facilities. The final cost share will be accounted for in the final Memorandum of Agreement (MOA) with SCDOT. See *Appendix F: Tracking Spreadsheets* for latest status of agreement.

### 12-3. Utility Relocation Act

TOL qualifies for reimbursement under the SC Utility Relocation Act as a large utility. This reimbursement is for costs that do not qualify for prior rights.

It is anticipated that the final design, plans, and specifications for modifications to TOL water and sanitary sewer facilities will be performed by DBT. See *Appendix F: Tracking Sheets* for current document status.

**13. SCDOT – ITS/Signals**

SCDOT has buried ITS fiber and power lines along I-20 throughout Phase 3C limits. They also have signals along Bush River Road.

SCDOT will abandon and/or remove existing ITS facilities within the CCR Phase 3C project area and will replace after the project is completed. All existing signal facility modifications or relocations will be coordinated by DBT as part of the construction project.

**13-1. Fiber Cables/Power/ITS Boards, Cameras, etc.**

There are potential conflicts with the buried fiber and bridge columns, roadway, drainage, and ITS overhead sign adjustments.

**13-2. Traffic Signals**

There is no traffic signal work included in Phase 3C.