



CAROLINA **CROSSROADS**

Open Forum
November 14, 2018

Disclaimer

All information provided today is for information only, is non-binding, does not constitute legal or other advice, and does not amend or form part of any future Request for Proposals (RFP).

Purpose

**Provide
information**

**Get feedback
and answer
questions**

01

Project Overview

02

Schedule

03

Project
Management
Approach

04

Project Delivery

05

Quality Assurance
Program

06

Minority & Small
Business Affairs –
DBE Program

07

Q&A



Overview and NEPA Status

Primary Purpose



Improve
Mobility



Secondary Needs







Improve freight
mobility

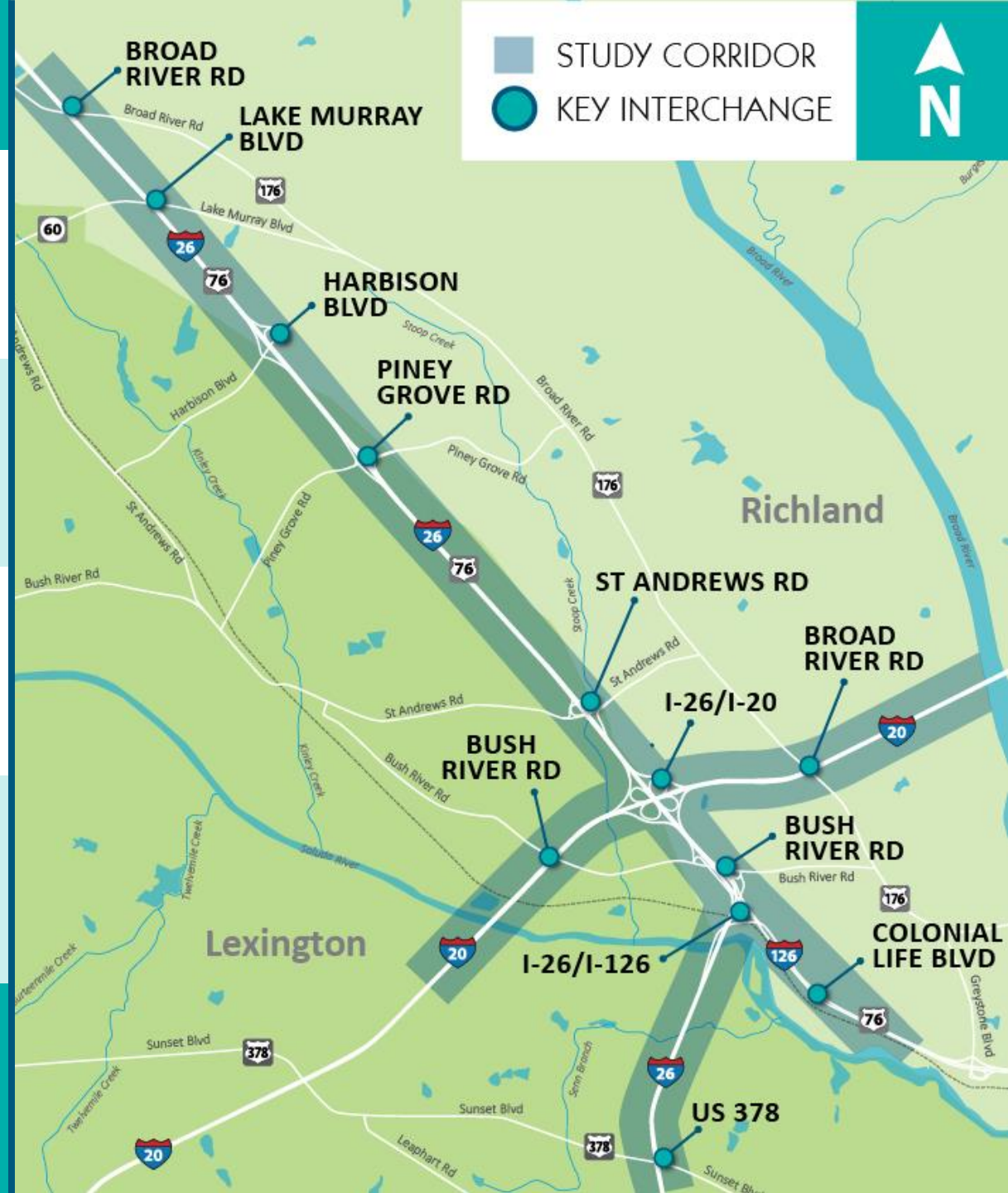


Improve safety in the
corridor



Improve system
linkages

	Existing	Proposed
 Bridges	19	45
 Interchanges	12	11
 Interstate (miles)	14	14
 Roadway (lane miles)	166	188



Current and Potential Adjacent Projects

01

**I-26
Widening
(MM 85 to
MM 101)**

02

**US 1 and
SC 302
interchanges
with I-26**

03

**I-126 Bridge
Replacement
at Elmwood
Avenue**

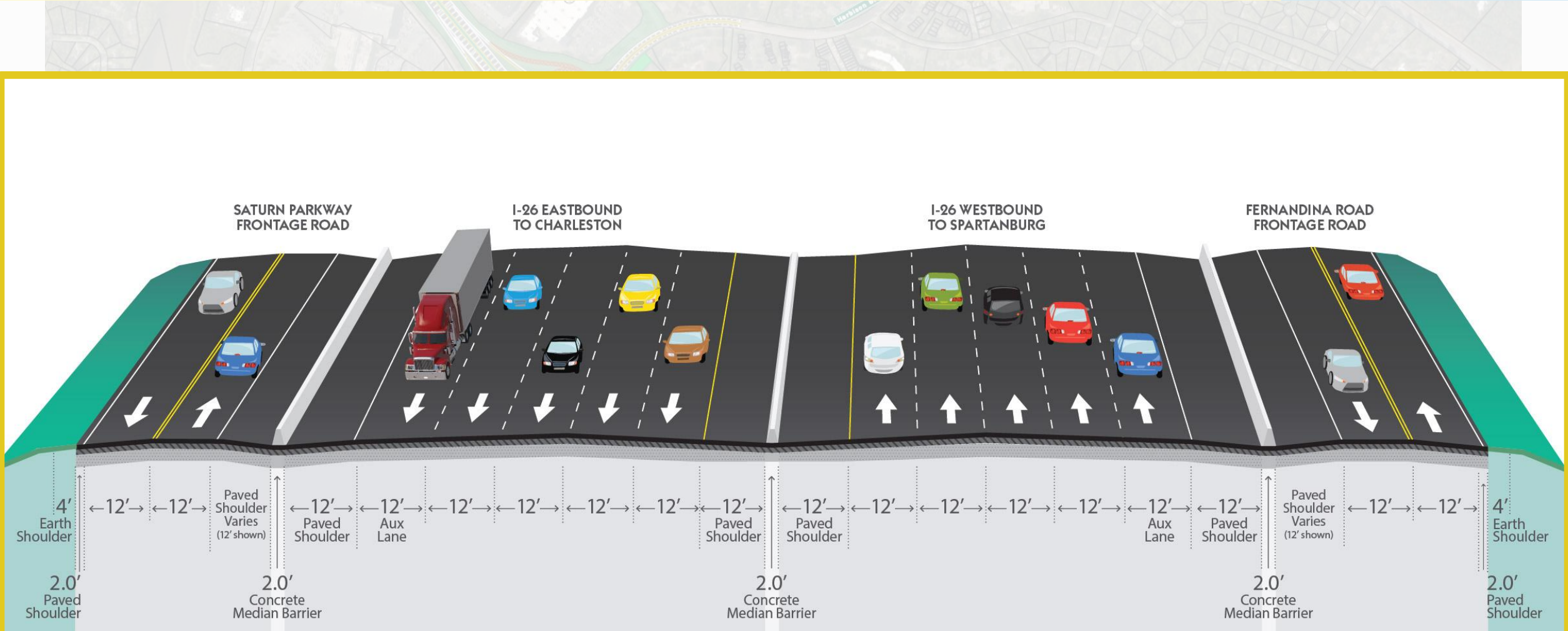
04

**I-20
Widening
(MM 49 to
MM 60)**

05

**I-20 at US1
interchange,
Lexington
County**

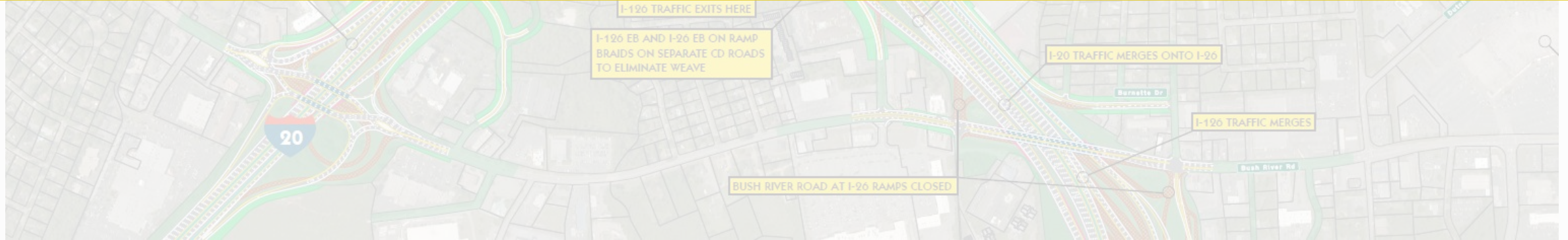
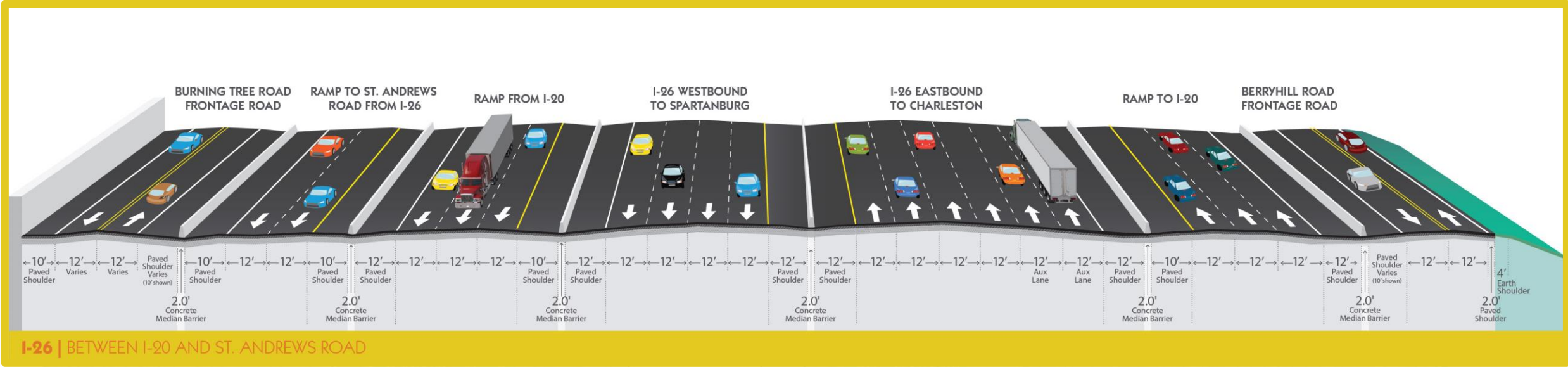
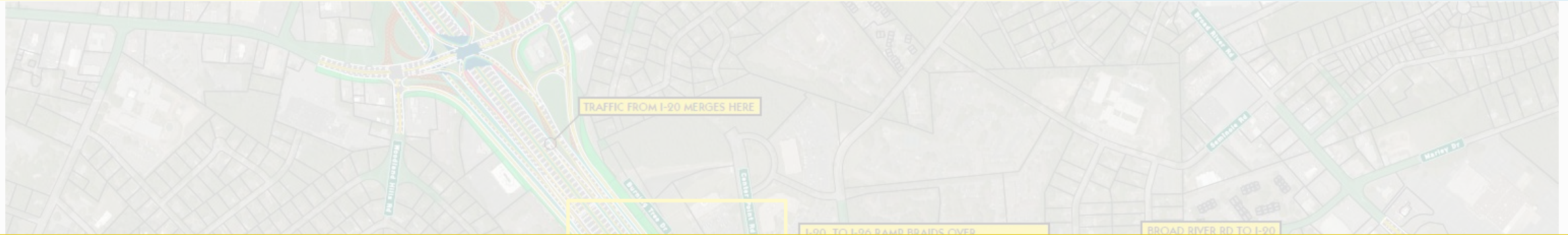
I-26 from Harbison Blvd. to Piney Grove Rd.



I-26 | BETWEEN HARBISON BLVD. TO PINEY GROVE RD.



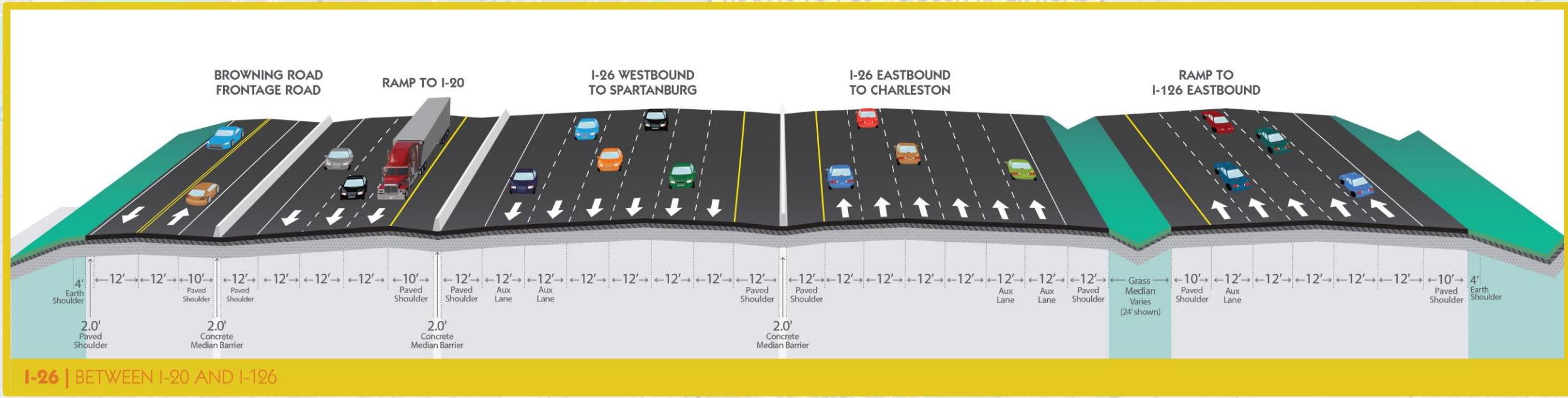
I-26/St. Andrews Road and I-20/I-26



I-26 from I-20 to I-126

ALL EXISTING I-26/I-20 LOOP RAMPS ARE REMOVED

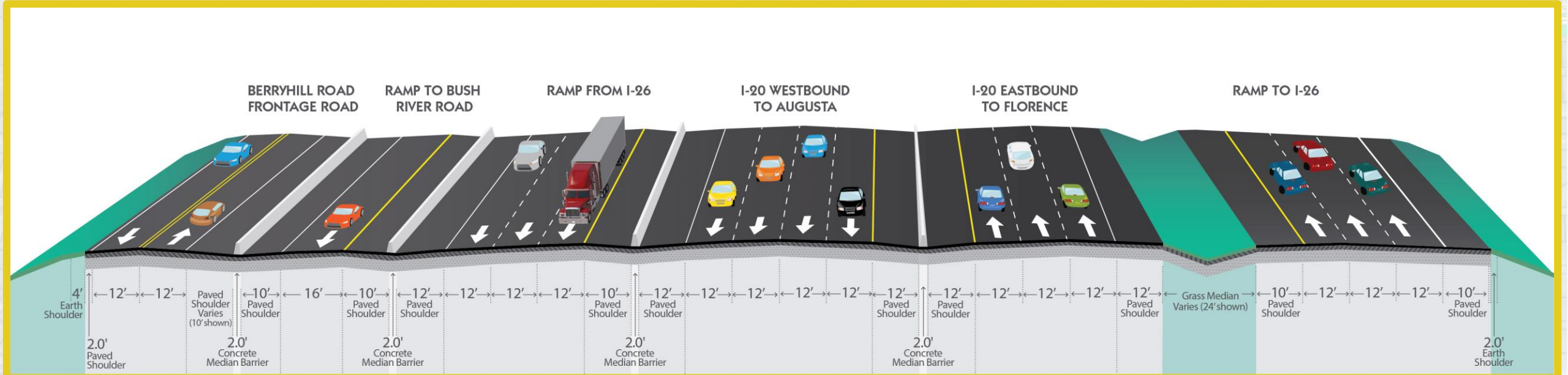
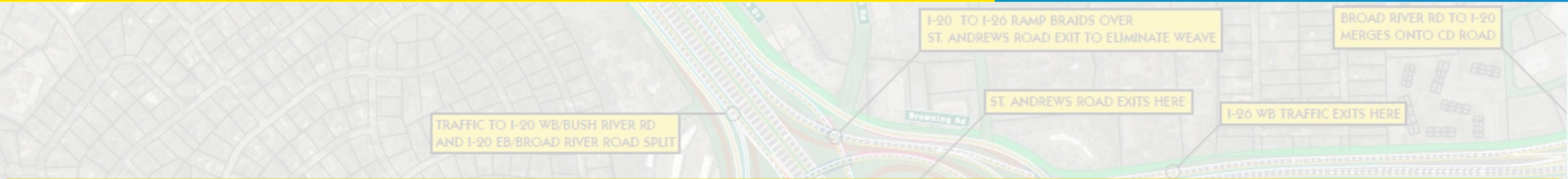
TRAFFIC TO I-20 WB/BUSH RIVER ROAD



BUSH RIVER ROAD AT I-26 RAMPS CLOSED

Bush River Rd

I-20 from Bush River Road to I-26



I-20 | BETWEEN BUSH RIVER ROAD AND I-26



Schedule

Key Project Milestones

<p>1</p> <p>Project Initiation</p>	<p>2</p> <p>Community Kick-off Meeting</p>	<p>3</p> <p>Scoping & Initial Environmental Studies</p> <p>Notice of Intent</p>	<p>4</p> <p>Public Scoping Meeting</p>	<p>5</p> <p>Preliminary Interchange Alternatives</p>	<p>6</p> <p>Begin Development of Draft Environmental Impact Statement (DEIS)</p>	<p>7</p> <p>Alternatives Public Information Meeting</p>
<p>March 2015</p>	<p>May 12, 2015</p>	<p>July 2015</p>	<p>September 10, 2015</p>	<p>2015-2016</p>	<p>July 2016</p>	<p>October 4, 2016</p>

<p>8</p> <p>Development and Screening of Representative Alternatives</p>	<p>9</p> <p>Reasonable Alternatives Public Information Meeting</p>	<p>10</p> <p>Public Hearing on DEIS and Recommend Preferred Alternative</p>	<p>11</p> <p>Final Environmental Impact Statement (FEIS)</p> <p>Record of Decision (ROD)</p>	<p>12</p> <p>Procurement of Contractor & Begin Right of Way Acquisition</p>	<p>13</p> <p>Project Delivery/ Construction</p>
<p>October 2016 - Summer 2017</p>	<p>Fall 2017</p>	<p>Summer 2018</p>	<p>Winter 2019</p>	<p>2019</p>	<p>2019 & beyond</p>

We are here

Public Support



Quick Facts

291
ROW Tracts

1.3 Million SF
Bridge Deck Area

2.0 Million SY
Pavement

4 Million CY
Earthwork

45
Bridge Structures

All quantities are preliminary
pending final design



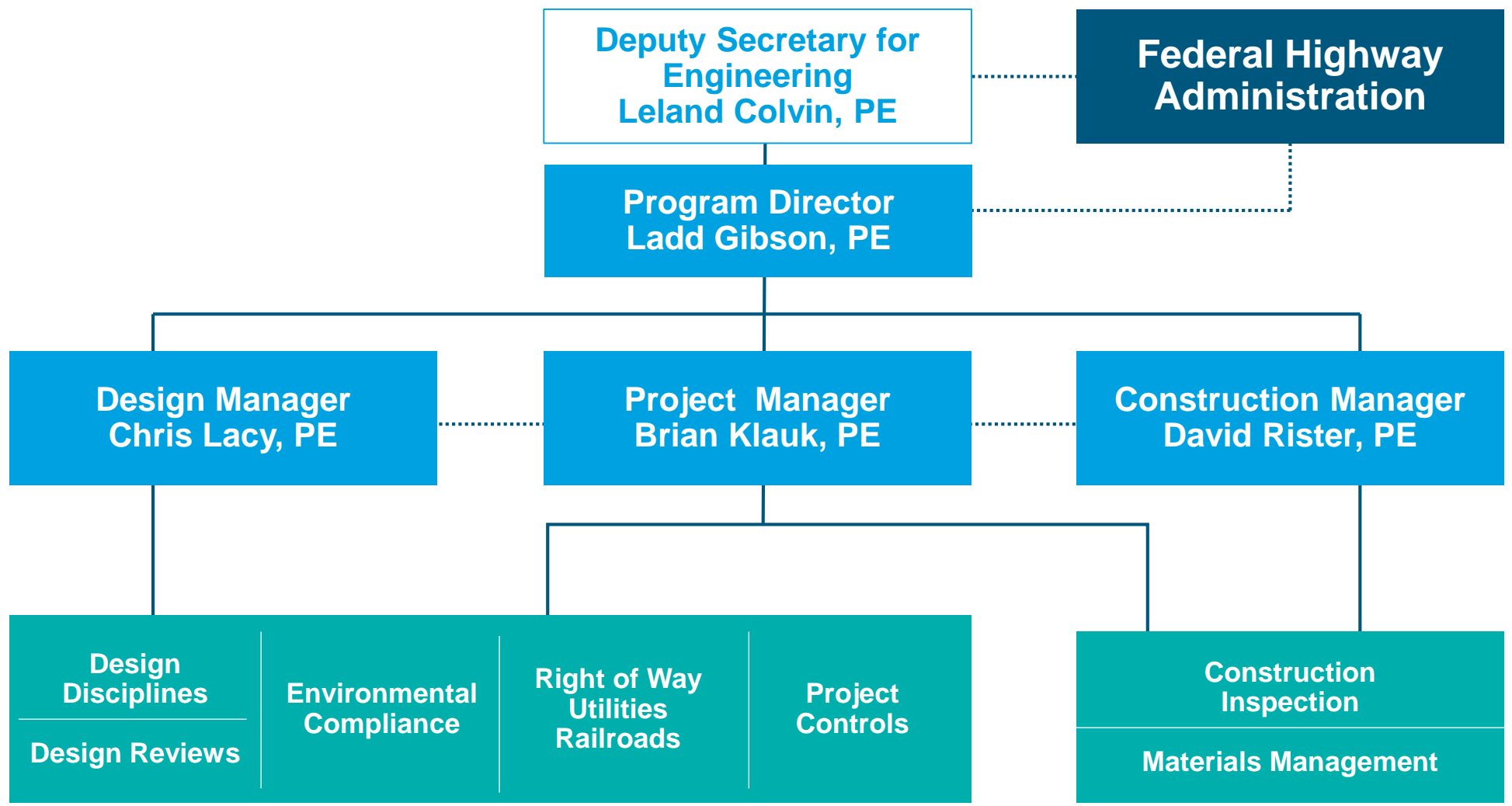
CAROLINA
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Project Approach

Dedicated Project Team

Dedicated SCDOT management

Dedicated SCDOT and/or consultant staff



Dedicated Project Team



- Design Management Lead
- Roadway Design Lead
- Structures Design Lead
- Hydrology Design Lead
- Geotechnical Design Lead
- Traffic Design Lead
- Lighting Design
- Landscaping and Aesthetics
- Discipline Level Support Staff
- Communications Lead/staff
- NEPA Compliance Lead
- ROW Acquisition Oversight
- Utility Agreement Coordinator
- Risk Management
- Financial Reporting
- Multi-modal Coordination

Dedicated Project Team



- Project Engineer
 - Assistant Project Engineer
 - Materials Management Engineer
 - Safety Officer
 - Public Involvement
 - DBE/EEO/OJT Compliance Officer
 - CPM Scheduler
 - Estimator/Claims Review
 - Construction Document Control
 - RCEs by Segment
- Inspectors/Technicians
 - AASHTO Accredited Lab
 - Survey Verification
 - Environmental Compliance
 - ITS/Signal Coordination
 - Utility Construction Oversight
 - ROW Compliance
 - HAZMAT Oversight
 - Aerial Photography
 - RR Flagger Coordination

Anticipated Schedule

	2018			2019			2020	
	Summer	Fall	Winter	Spring	Summer	Fall	Winter	Spring
DEIS	●							
Public Hearing	●							
FEIS and ROD			●					
RFQ Advertisement			●					
Announcement of Short Listed Teams				●				
RFPs Industry Review				●	●			
Final RFP					●			
Bid Opening							●	

*** The FEIS and ROD have moved to Spring 2019. This change does not impact the procurement schedule shown above.**





Project Delivery

Single Construction Contract



ATCs and Stipends



- Preliminary ATCs
- Formal ATCs
- Stipends for unsuccessful short-listed teams
- Considering: Unlimited preliminary ATCs and limited formal ATCs

Award Criteria



- Best Value with Weighted Criteria

Contract Payments



- Considering: SCDOT specified or Contractor specified draw schedule



Surveys



- 2009-2010 Aerial Surveys and Associated Control Provided
- 2018 Pavement Resurfacing Project near completion



Utilities



- Utility Task Force to mitigate risk
- Considering: Early ROW acquisition for selected utilities
- Considering: MOU's with major utilities



SUE



- Level B/C SUE 80% complete
- Tracking new utility installation via encroachment permits

Geotechnical Investigations



- Baseline Geotechnical Report complete
- Over 200 soil borings and associated testing complete

Pavement

- Set up as an asphalt job
- Providing multiple pavement options
- Considering: ATCs for concrete pavement
- I-26/I-126 rehab includes replacement of asphalt in composite sections



- Expect areas of poor subgrade under existing shoulders and new location alignments
- Considering: Performance specification on temporary pavement



Maintenance of Traffic



- Considering: Alternative MOT design criteria for hourly lane closure restrictions
- Considering: Coordination with DB Teams on long-term lane closure

IMR – Interchange Design



- Two IMRs underway for entire project
- Expected approval prior to RFP release

Design Submittal Reviews



- Segmentation within the project limits will be allowed
- Partial submittals will be entertained

ROW Acquisition



- Early and Post-ROD Acquisitions
- Remaining ROW Acquisition will be the responsibility of the Design Build Team
- Considering: Various options for ROW payment responsibility



Environmental Mitigation/Permitting



- Permittee Responsible Mitigation (PRM) Plan will be provided by SCDOT
- PRM is anticipated to provide sufficient credits for Preferred Alternative



Envision and INVEST

Environmental Sustainability



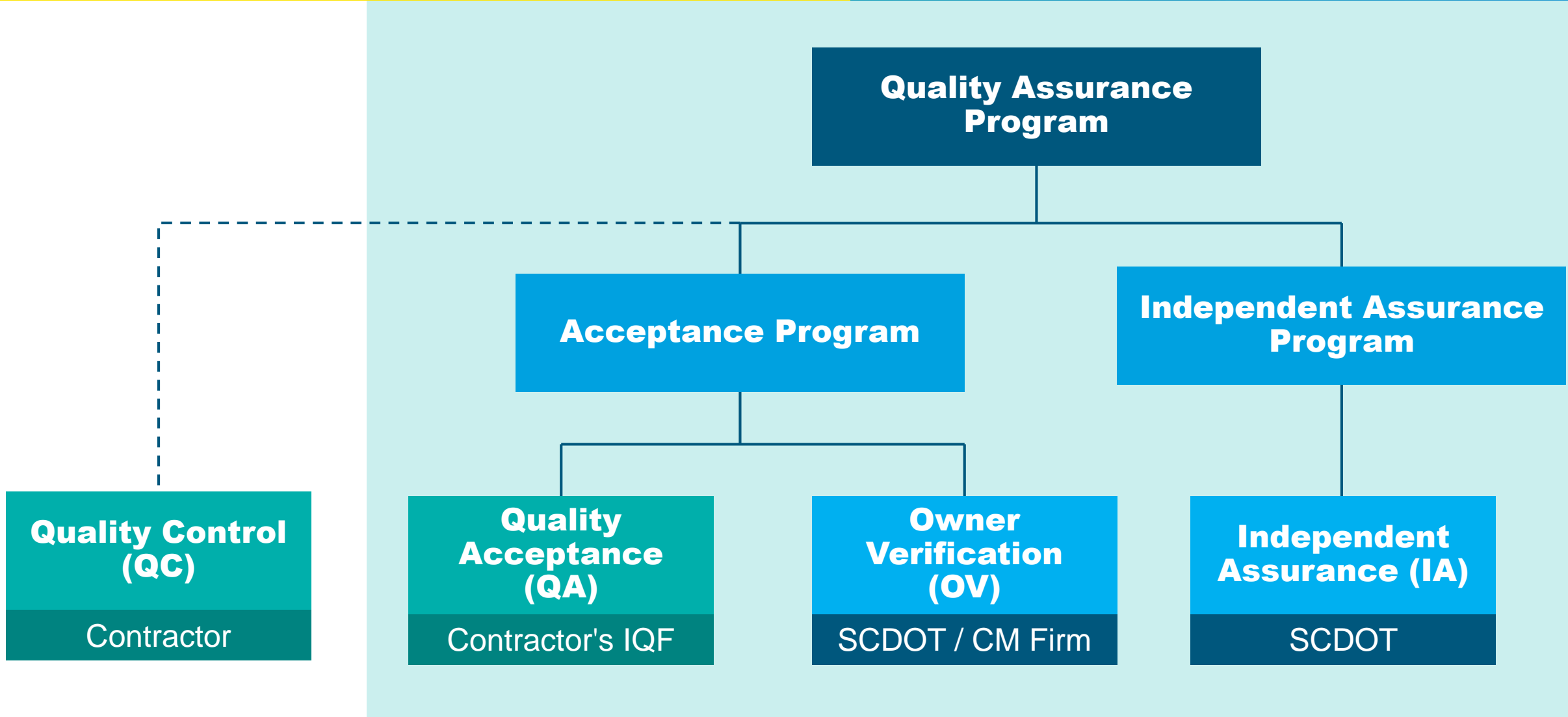
- Currently being tracked and monitored
- Design-Build contractor may be required to document sustainability management



Quality Assurance Program



Quality Assurance Program

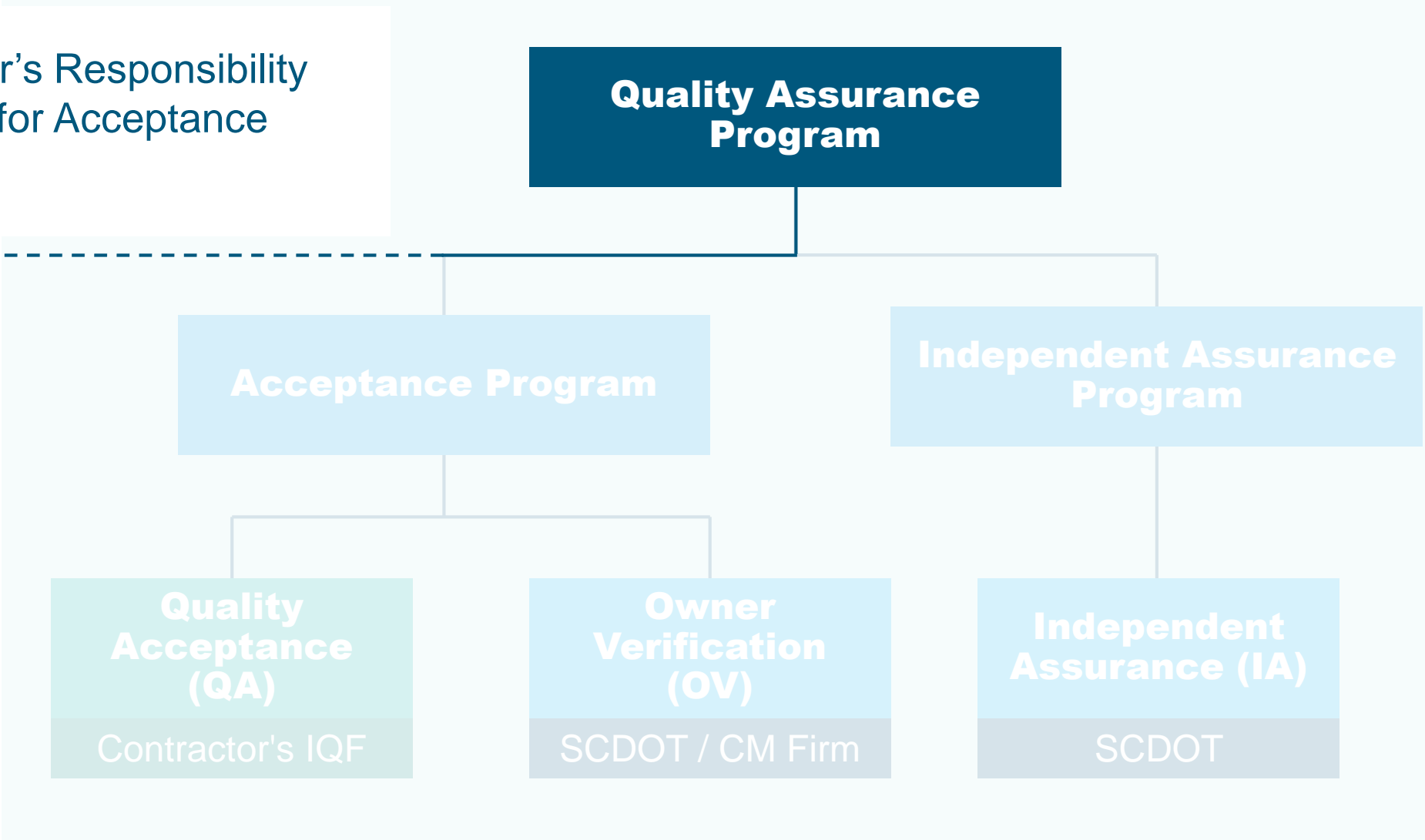


Quality Control



- Contractor's Responsibility
- Not used for Acceptance

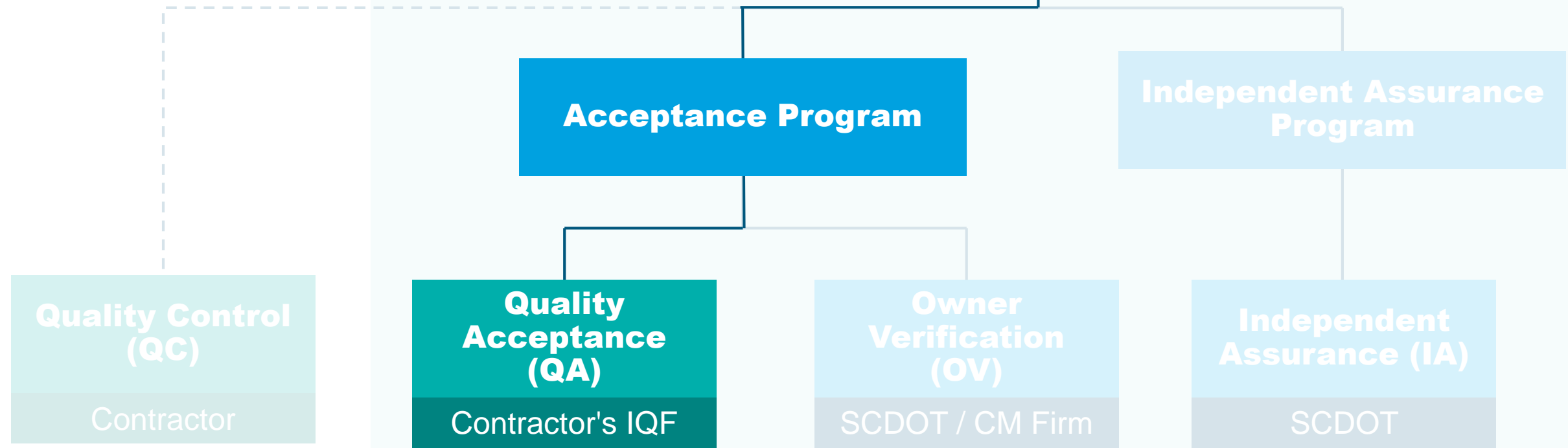
Quality Control (QC)
Contractor



Independent Quality Firm



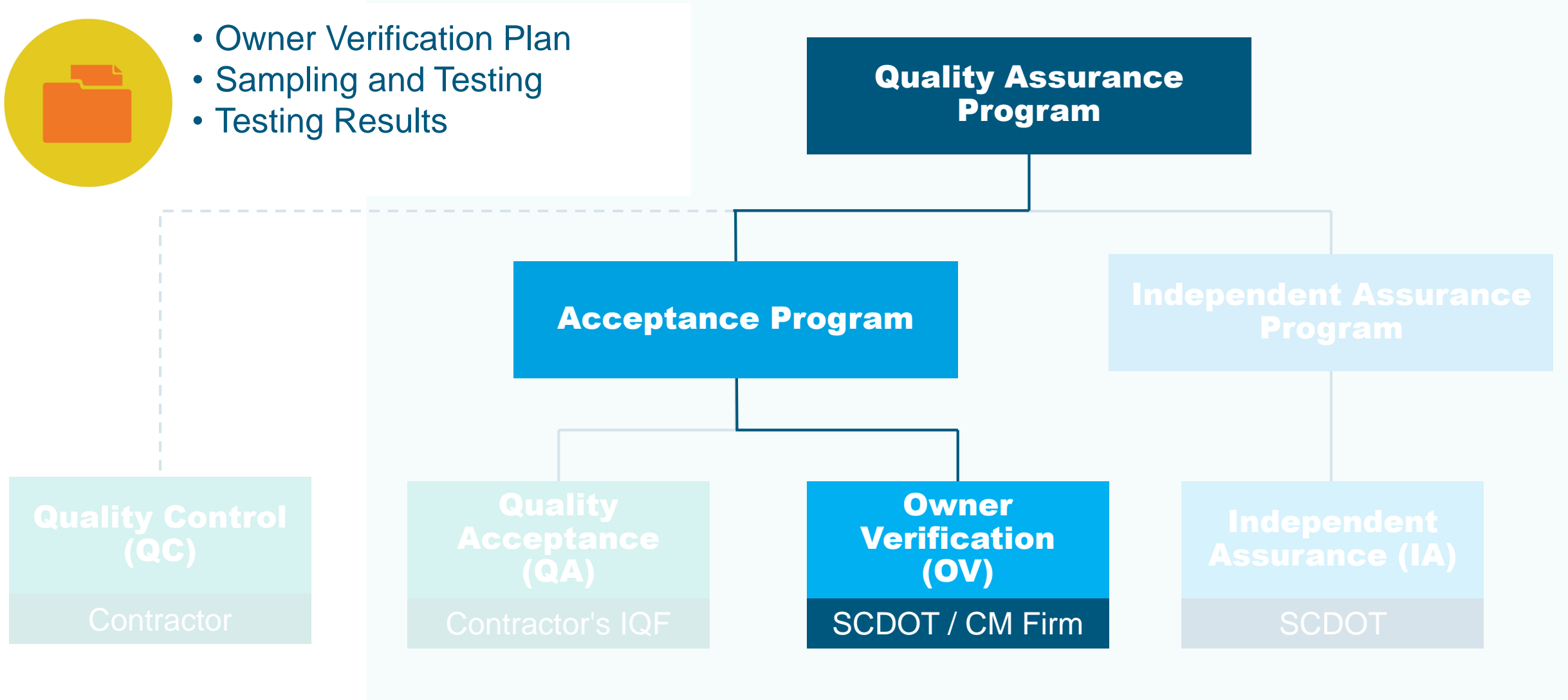
- Independent Quality Manager
- Engineering Judgment
- Sampling and Testing
- Testing Results



Owner Verification



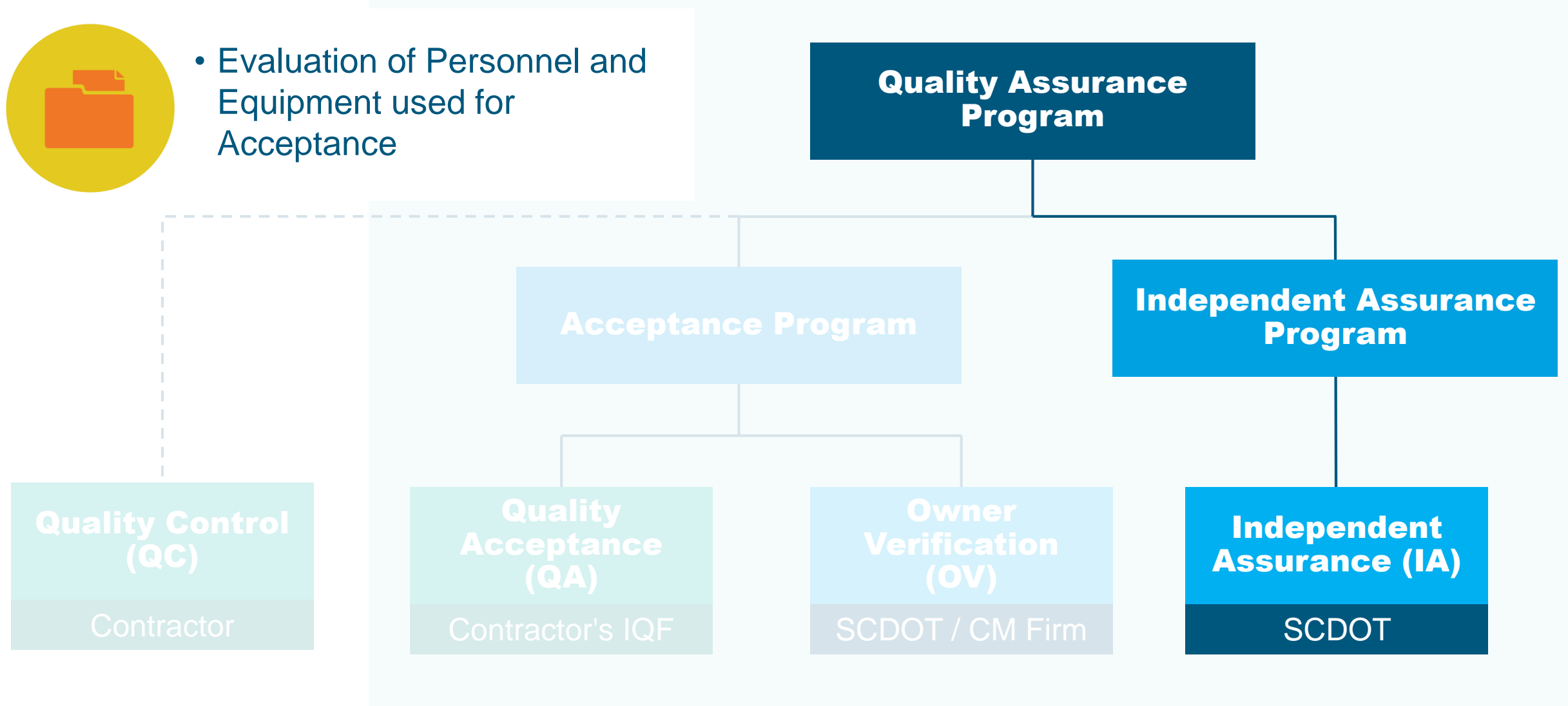
- Owner Verification Plan
- Sampling and Testing
- Testing Results



Independent Assurance



- Evaluation of Personnel and Equipment used for Acceptance



Division of Minority & Small Business Affairs



- Disadvantaged Business Enterprise (DBE) goal
- DBE point person
- Business Development Center (803-737-6426)



Questions