

## **AV / CV Position Questions**

1. Does your agency have a position(s) dedicated to Automated Vehicles, Autonomous Vehicles, and/or Connected Vehicles?
2. If so, what Office(s) is it in and where is it relative to your position?
3. What level/type position(s) is it (i.e., P.E., Manager, etc.)?
4. If you have a position description(s) and/or organization chart(s), that would be greatly appreciated as well.

### **Alabama**

1. Yes, although it is just a small component of his overall duties and probably isn't getting the attention he would like to give it.
2. It resides in our Maintenance Bureau (as our TSM&O Administrator) and the position reports directly to the Deputy State Maintenance Engineer
3. It is an Administrator level position and while it could be argued for a P.E. to occupy the position, our person is assigned to this position is not a P.E. He does have over 20 years' experience in ITS and is without question the most knowledgeable and qualified person within ALDOT on these matters.
4. I can furnish his Form 40 (job duties/profile) and an organization chart of our bureau separately if you'd like.

### **Arkansas** – No

**Delaware** - No. We have an ad hoc committee that has met on a few occasions. My section has prepared a draft CAV strategic plan but it hasn't been finalized yet. My section has taken the lead on preparing proposals for the various federal grants, comments on rulemaking, etc. My Traffic Operations Manager is the point person on these efforts.

**Florida** – Not at this time. We have several positions in Traffic Operations, Planning, and Florida's Turnpike Enterprise that spend time on AV/CV.

**Illinois** - We do not have a dedicated position for AV/CV, but we do have an internal task force which includes members from our Executive Staff, Bureau of Operations, Office of Planning and Programming, Bureau of Federal Affairs and Office of Chief Counsel. We are also working on a separate task force which includes our State Police and Secretary of State's Office who handles vehicle licensing and registration.

**Georgia (Director of Operations)** – We don't have a dedicated AV/CV position. Our efforts are jointly directed with – Assist State Traffic Engineer & St Traffic Engineer/Office Head, Office of Traffic Operations.

**Indiana (Manager)** - INDOT has not established such a position, although we have established a research project (with Purdue) to begin looking at the impacts of AV/CV on how we do things.

### **Iowa**

1. Not at this time. Currently, it is a committee, however, I have heard that our Office of Traffic Operations has requested a position dedicated to AV/CV.

2. Looks like it will be the Office of Traffic Operations.
3. To be determined.
4. Not written yet.

#### **Kentucky (Director)**

At the present time, there is no specific position dedicated to this area. There is a small work group that gets together to discuss these issues. The small group includes representatives from the State Highway Engineer's Office, Division of Planning, and the Division of Traffic Operations.

**Louisiana (Traffic Eng. Div. Admin)** - No, we have a committee set up from across the Department ran by the ITS Administrator.

#### **Maine**

1. Not dedicated to automated Vehicles but we have two new engineers that have taken a liking to the subject
2. This position is outside my office in the Bureau of Planning
3. They are Assistant engineers, entry level engineer that has passed FE exam but doesn't have enough time to sit for the PE
4. I don't have one readily available

**Massachusetts** - No, there is a person in the Secretary of Transportation's Office that has been coordinating our efforts for the AV testing we are supporting with various companies, but it is not a dedicated spot. We have a regular internal working group that things flow through, but I am the lone person on the CV side. All that said, I would very much love to have a dedicated person to help support this activity as it is increasingly more time demanding.

#### **Michigan**

1. Yes, the position title is "Connected Vehicles Specialist" (as show in the org chart attached, currently this position is vacant)
2. The position resides in the Operations Field Services Division and reports to the ITS Program Manager who in turn reports to the Division Administrator.
3. Licensed Transportation Engineer 15, two levels below the Division Administrator
4. See attachment for Bureau and Division org chart.

#### **Minnesota**

1. AV/CV falls under our ITS section, which is also in our traffic office (Office of Traffic, Safety, and Technology). We don't have a single person dedicated towards this effort, it is a combination. I'm the DOT Champion (office director), and I have two people partially dedicated toward this effort (one electrical engineer - manager, one civil engineer – highest engineering classification).
2. We are also coordinating at a MnDOT level. We have a CV/AV sub-group as part of TSMO. This brings together planning, communications, legal, design, freight, and leadership (see attached org structure).
3. We also have a Statewide Jurisdictional AV/CV committee. This involves state regulators only, such as Vehicle Services, Public Safety, State Patrol, MnDOT, and Insurance Regulation. MnDOT leads this group, with the primary focus on preparing our policy and regulatory environment for CV/AV.
4. See attachment

**Mississippi** – No

**Missouri (Sign and Marking Engineer)** – No

**Montana** - No

**Nebraska** - No

**New Hampshire** – No, neither does the Department of Motor Vehicles, though both agencies are tasked with issues that will be affected.

**New Jersey**

1. The position not as of yet.
2. Traffic Systems Management – Operations division within DOT. My position/division is Design.
3. Undetermined yet.
4. Undetermined yet.

**New Mexico** - No

**New York**

1. No – I have additional responsibilities aside from CAV including managing IT and capital construction/infrastructure projects in support of our commercial vehicle enforcement office.
2. It is not so, but I work in the Office of Modal Safety & Security, Operations and Asset Management Division
3. Manager, doesn't need to be a PE. Probably policy/legislation/regulation is most important at the moment.
4. We do not.

Not sure of your background, involvement or understanding of CAV, but I would suggest the future role of transportation agencies is fairly straightforward – if the pending NHTSA NPRM for V2V Communications passes, hopefully with another one for heavy vehicles right behind, then transportation agencies probably have a significant role presuming V2I/I2V will be supported – if it doesn't, we probably don't.

**Ohio** - In Ohio we have an internal committee formed but no 1 person dedicated to AV/CV. I expect we will have one coming soon though.

**Oregon**

1. Yes. The position covers CV/AV and electric vehicles
2. Directors office of Innovative Partnership (a public-private group)
3. Policy Analyst Non-supervisory Manager
4. I'll send later if I can get it

**Pennsylvania**

1. Yes. However there is a team of folks involved in the overall decision making including executive staff, policy staff, legal staff, and Driver and Vehicle Services staff.
2. It's under my organization, Highway Safety and Traffic Operations Division
3. Manager
4. The attached position is under the *Traffic Operations – Planning Operations Section*

**South Carolina** - No

**South Dakota** – No

**Tennessee (State Traffic Engineer)**

1. Tennessee DOT does not have a dedicated AV/CV position.

2. Most AV/CV national and international developments are being monitored closely by our Traffic Operations Division Director and ITS Office Manager.
3. Both are tech savvy and are willing volunteers for the numerous conferences, webinars, and workshops.
4. See attached Traffic Operations Division org chart.

### **Texas**

1. TxDOT does not have a dedicated AV/CV position, but we have a designated Subject Matter Expert
2. Traffic Operations Division-Traffic Management Section
3. PhD, and a P.E. His title is Transportation Engineer
4. We do not have a position description however his duties in the area of CV/AV include:
  - Develop and update white paper summary of TxDOT's role in CV/AV
  - Participate in TxDOT funded research projects
  - Represent TxDOT on AASHTO and other national committees related to CV/AV
  - Act as TxDOT's representative for the Connect Vehicle Pooled Fund Study program

### **Utah**

1. Yes, the "Technology and Innovation" Engineer, and part of my duties to oversee all of our work in the AV/CV area. A substantial part of my day to day work is in the AV/CV area, partially because I chair an AASHTO committee on this topic (within STSMO) and sit on some others, and partly because we are doing a CV deployment right now, but I also deal with other new technologies.

In my former position, I was the ITS Program Manager, and still had these AV/CV duties. The AV/CV work became so intense that they created this Technology and Innovation position to deal with this.

2. My Technology and Innovation position is within the Traffic Management Division, and I report to the Traffic Management Engineer. I am housed at the statewide Traffic Operations Center. Traffic Management is within our UDOT Operations Group. The Traffic and Safety Division is also within the UDOT Operations Group. From a signals standpoint, Traffic and Safety warrants and builds signals, but the Traffic Management Division manages and maintains the signals.

3. I am a PE at an "Engineering Manager 2" level.

4. A basic Org Chart for the Operations Division is shown at:

<https://www.udot.utah.gov/main/uconowner.gf?n=9649223567016564>

### **Virginia**

1. There are multiple positions with varying levels of responsibility for the CAV Program at VDOT, however, VDOT hired a full time employee as the Connected and Automated Vehicle Program Manager.

2. This staff member is in the Operations Division which in the Engineering Directorate.

3. This is a staff level position that manages the program with no direct reports. This may change overtime as the program grows. This is a P.E. preferred position, but not required.

4. Attached is the job description, key skills and experience required.

**West Virginia** - No, but like Louisiana, we have a committee led by our Planning Division's Research Engineer.

**Wisconsin (State Traffic Engineer)** - No

**Wyoming** - No