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Smartway Report

Department of Transportation

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7-1-2022

### Quarterly Performance Measures Report, Reporting Period April 1, 2022 to June 30, 2022, Region 1

Tennessee. Department of Transportation.

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Includes All Responders

Reporting Period: April 1, 2022 to June 30, 2022

**Region 1**

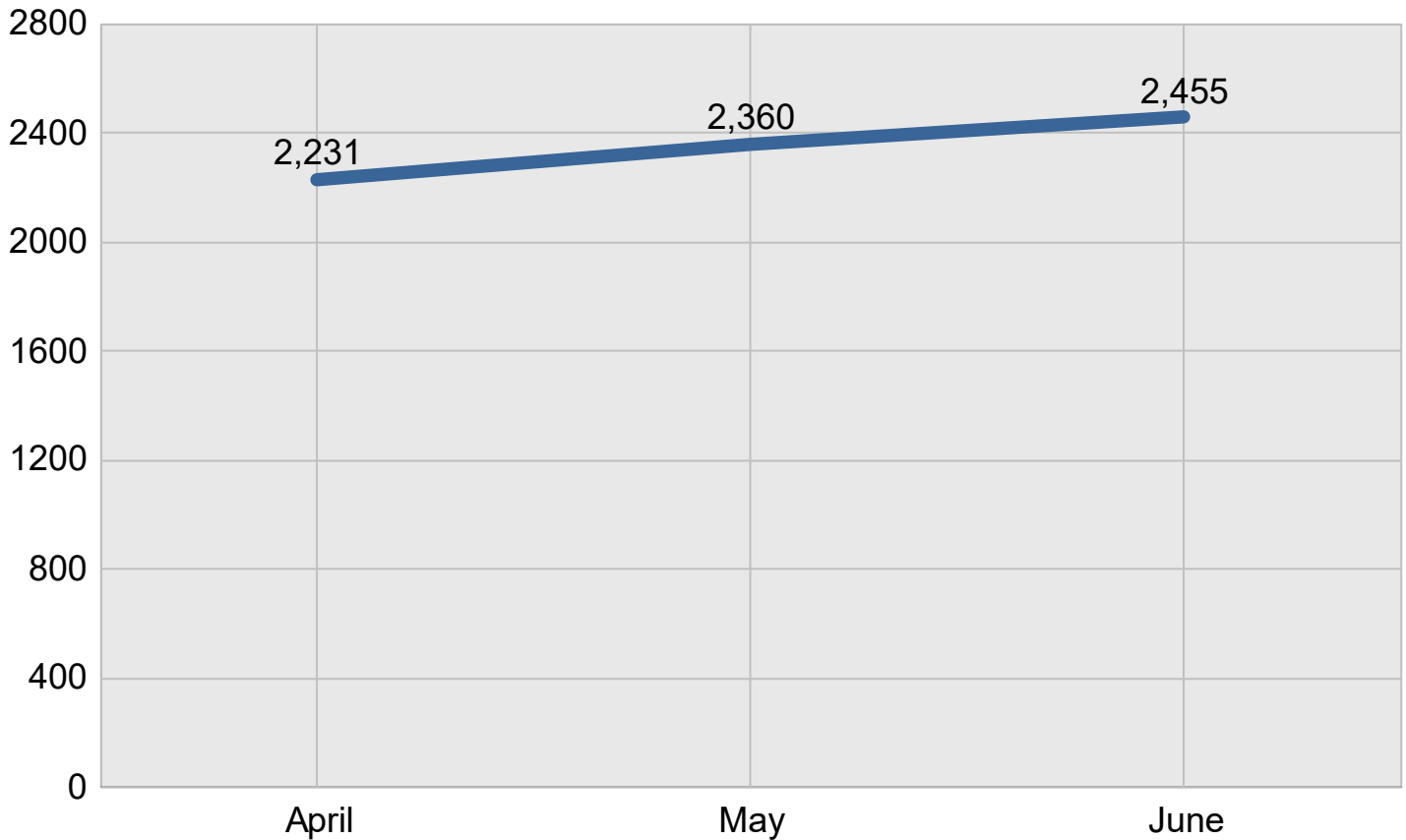
Created on: July 01, 2022 12:01 pm County: All Counties

Report Template version 2.0

**Total Incidents Managed This Quarter: 7,046**

**Incidents Managed**

**Incidents Managed - Monthly**

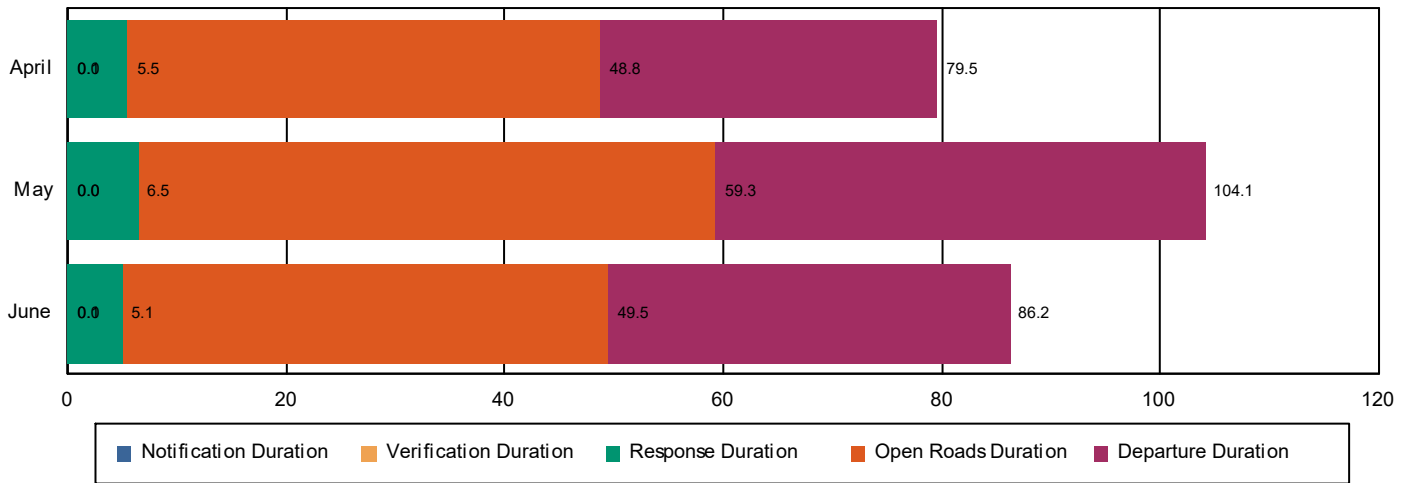


# Performance Measures Summary

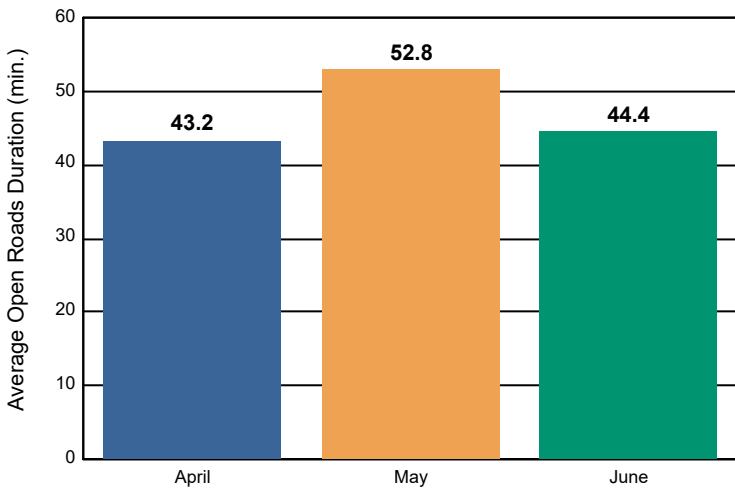
## Incidents Overall Response

	April	May	June	Total
Events included in Performance Measures	201	224	172	597
Notification Duration (min.)*	0.0	0.0	0.0	0.0
Verification Duration (min.)	0.1	0.0	0.1	0.1
Response Duration (min.) [First Notification to First Arrival]	5.4	6.5	5.0	5.7
Open Roads Duration (min.) [First Arrival to Travel Lanes Cleared]	43.2	52.8	44.4	47.4
Departure Duration (min.) [Travel Lanes Cleared to Last Departure]	30.8	44.8	36.7	37.9
<b>Roadway Clearance Duration (min.) [First Notif to Travel Lanes Cleared]</b>	<b>48.8</b>	<b>59.3</b>	<b>49.5</b>	<b>53.2</b>
	<b>79.5</b>	<b>104.1</b>	<b>86.2</b>	<b>91.1</b>

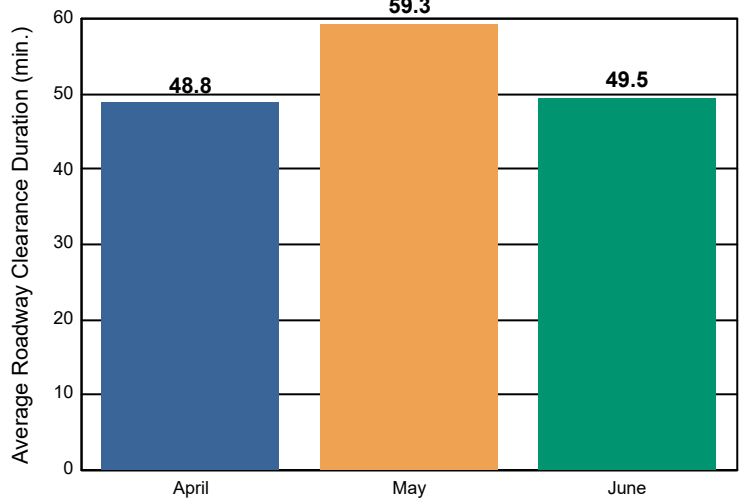
### Incident Clearance Duration



### Open Roads Duration / Month



### Roadway Clearance Duration / Month

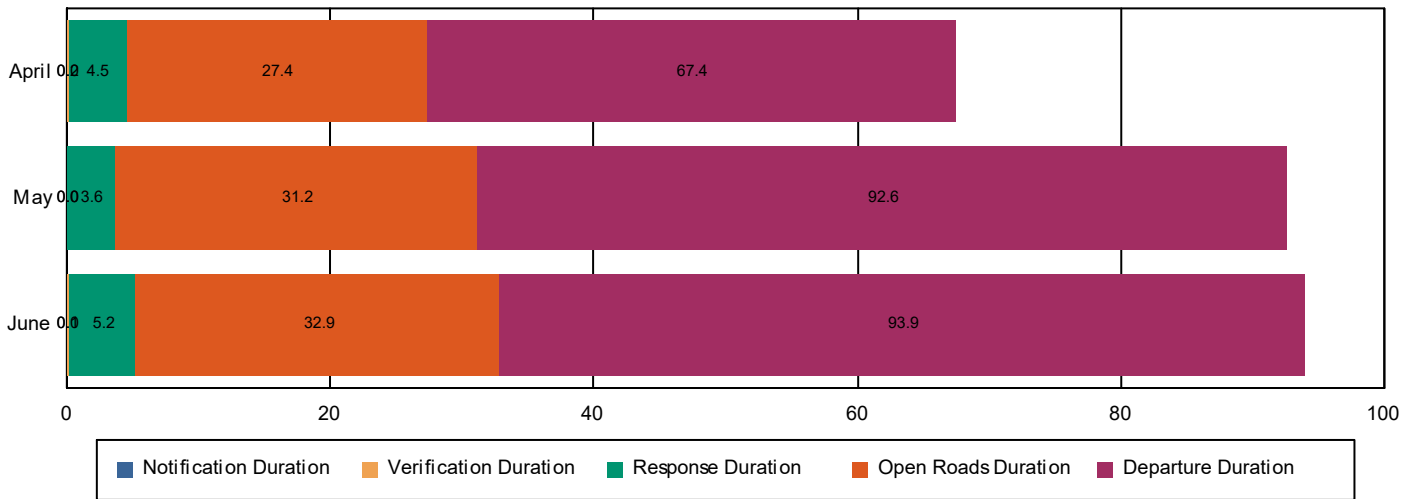


# Performance Measures Summary

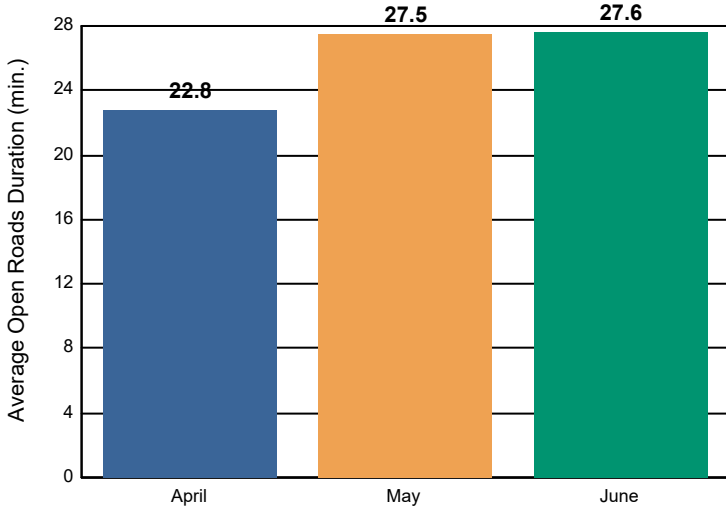
## Incidents with HELP Truck Response

	April	May	June	Total
Events included in Performance Measures	113	119	81	313
Notification Duration (min.)	0.0	0.0	0.0	0.0
Verification Duration (min.)	0.2	0.0	0.1	0.1
Response Duration (min.) [First Notification to First Arrival]	4.4	3.6	5.1	4.3
Open Roads Duration (min.) [First Arrival to Travel Lanes Cleared]	22.8	27.5	27.6	25.8
Departure Duration (min.) [Travel Lanes Cleared to Last Departure]	40.1	61.5	61.1	53.6
<b>Roadway Clearance Duration (min.) [First Notif to Travel Lanes Cleared]</b>	<b>27.4</b>	<b>31.2</b>	<b>32.9</b>	<b>30.2</b>
	<b>67.4</b>	<b>92.6</b>	<b>93.9</b>	<b>83.8</b>

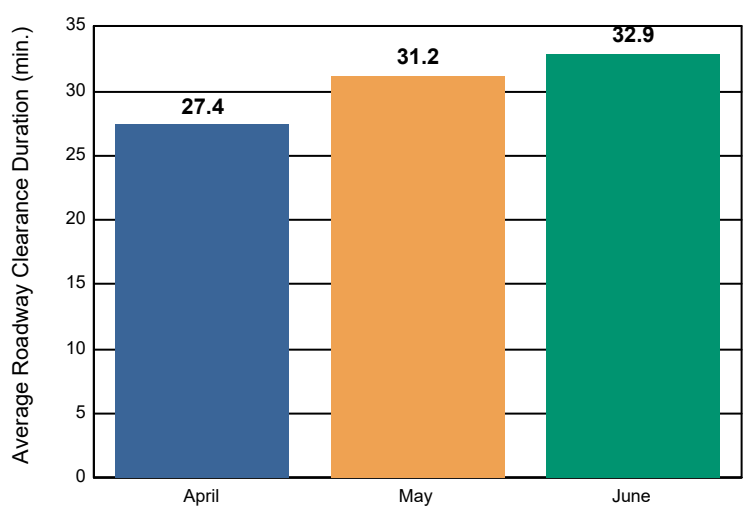
### Incident Clearance Duration



### Open Roads Duration / Month



### Roadway Clearance Duration / Month

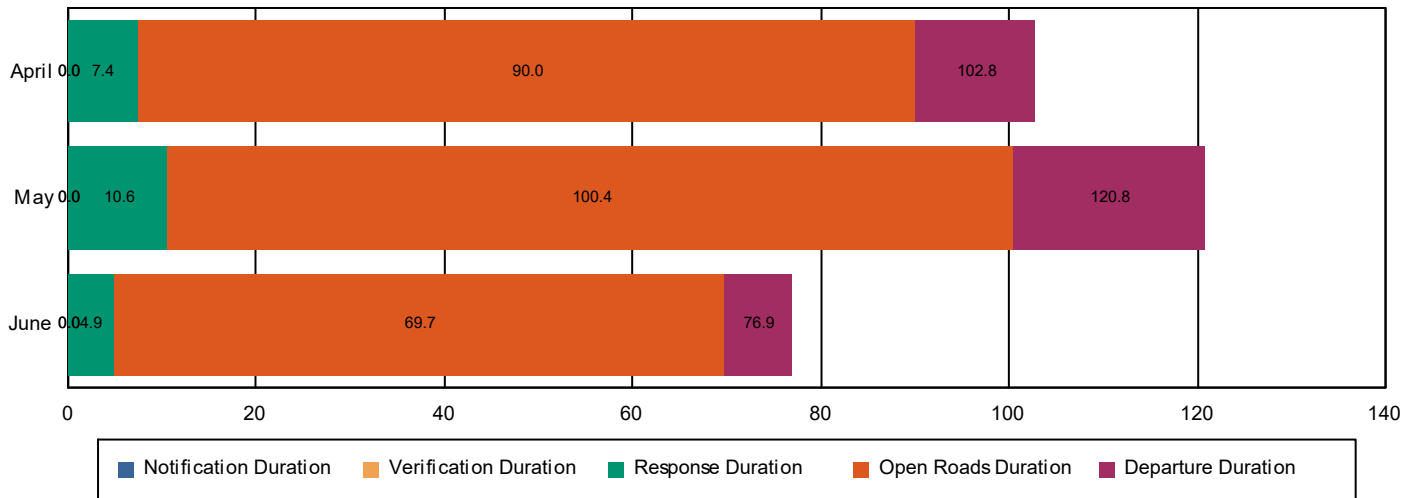


# Performance Measures Summary

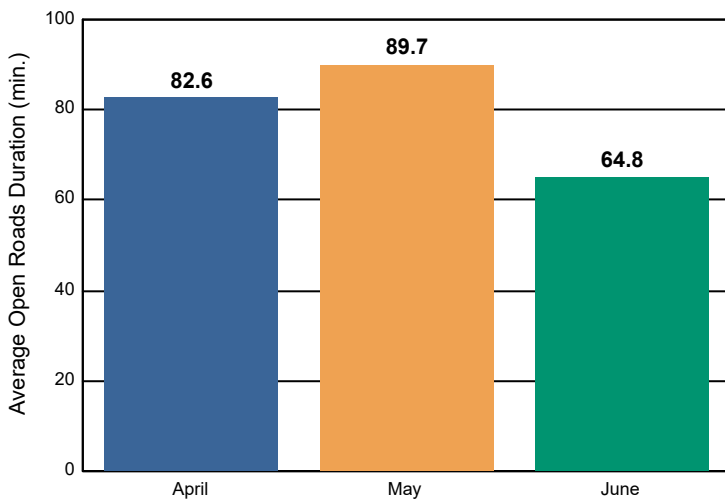
## Incidents without HELP Truck Response

	April	May	June	Total
Events included in Performance Measures	88	105	91	284
Notification Duration (min.)	0.0	0.0	0.0	0.0
Verification Duration (min.)	0.0	0.0	0.0	0.0
Response Duration (min.) [First Notification to First Arrival]	7.4	10.6	4.9	7.9
Open Roads Duration (min.) [First Arrival to Travel Lanes Cleared]	82.6	89.7	64.8	80.0
Departure Duration (min.) [Travel Lanes Cleared to Last Departure]	12.8	20.4	7.2	14.2
<b>Roadway Clearance Duration (min.) [First Notif to Travel Lanes Cleared]</b>	<b>90.0</b>	<b>100.4</b>	<b>69.7</b>	<b>88.0</b>
	<b>102.8</b>	<b>120.8</b>	<b>76.9</b>	<b>102.2</b>

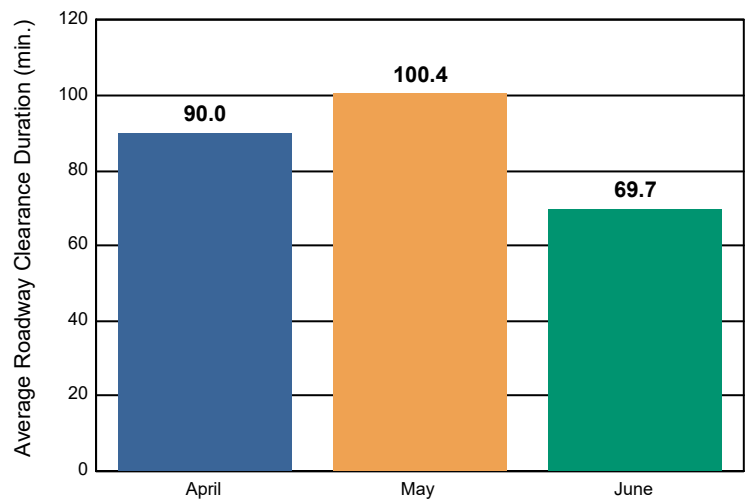
### Incident Clearance Duration



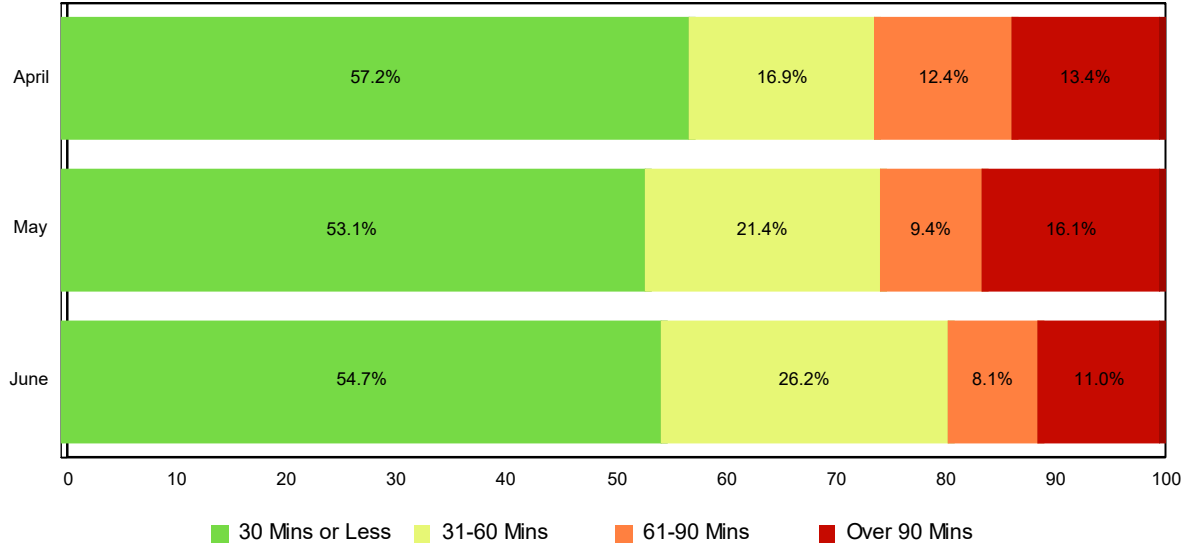
### Open Roads Duration / Month



### Roadway Clearance Duration / Month

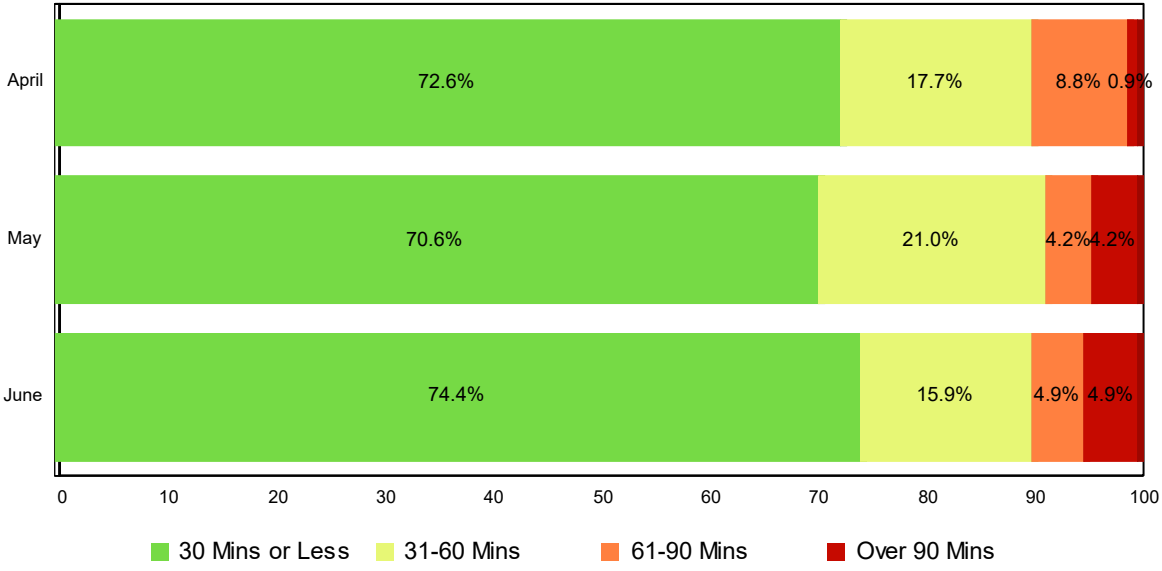


# Lane Blockage Clearance Times - Overall



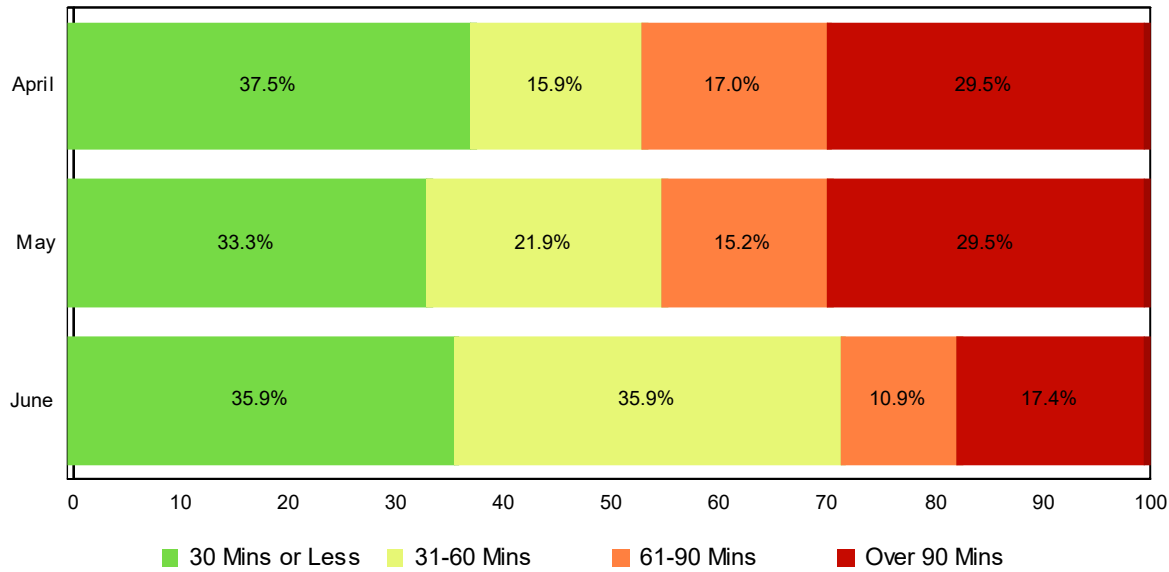
Month	30 Mins or Less	31-60 Mins	61-90 Mins	Over 90 Mins	Total # of Events
April	115	34	25	27	201
May	119	48	21	36	224
June	94	45	14	19	172
<b>Total # of Events</b>	<b>328</b>	<b>127</b>	<b>60</b>	<b>82</b>	<b>597</b>

# Lane Blockage Clearance Times - with HELP Truck Response



Month	30 Mins or Less	31-60 Mins	61-90 Mins	Over 90 Mins	Total # of Events
April	82	20	10	1	113
May	84	25	5	5	119
June	61	13	4	4	82
<b>Total # of Events</b>	<b>227</b>	<b>58</b>	<b>19</b>	<b>10</b>	<b>314</b>

## Lane Blockage Clearance Times - without HELP Truck Response



Month	30 Mins or Less	31-60 Mins	61-90 Mins	Over 90 Mins	Total # of Events
April	33	14	15	26	88
May	35	23	16	31	105
June	33	33	10	16	92
<b>Total # of Events</b>	<b>101</b>	<b>70</b>	<b>41</b>	<b>73</b>	<b>285</b>



## All Incidents with Travel Lane Blockage and HELP Truck Response

No. of Lanes Blocked	%	Count	%	Count	%	Count	%	Count	Avg Clear Time (Min)
1	83	176	96	204	99	209	1	3	18
2	55	43	82	64	95	74	5	4	38
3	35	6	71	12	82	14	18	3	62
4	33	2	67	4	100	6	0	0	52
<b>Totals</b>	<b>73</b>	<b>227</b>	<b>91</b>	<b>284</b>	<b>97</b>	<b>303</b>	<b>3</b>	<b>10</b>	<b>26</b>

<=30 Mins

<=60 Mins

<=90 Mins

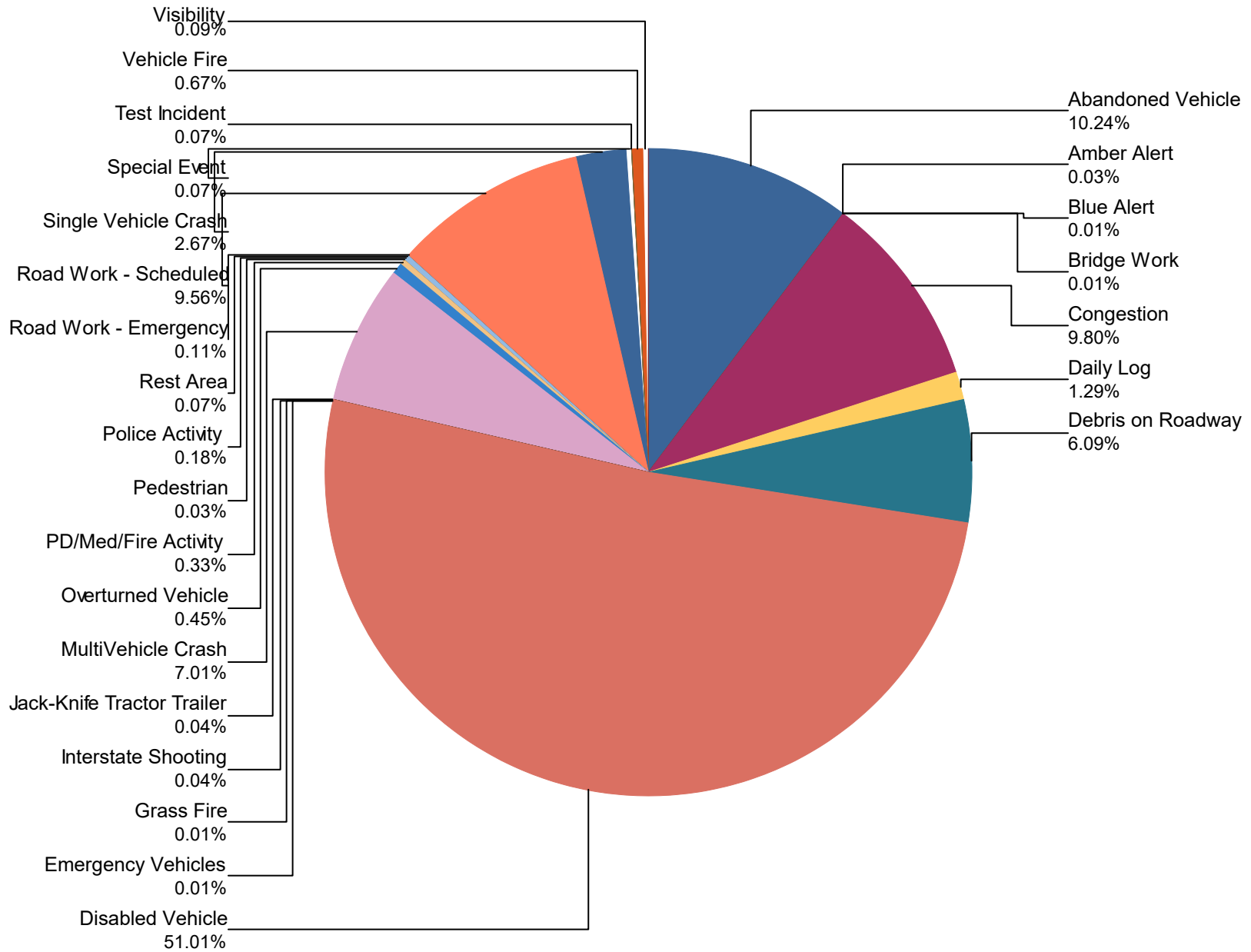
>90 Mins

## Travel Lane Blockage Events- Roadway

Roadway	Lane Blockage Events Count	All Incidents	% of Incidents with Lane Blockage
I0026	21	28	75.0
I0040	300	3,705	8.1
I0075	86	753	11.4
I0081	28	47	59.6
I0140	9	203	4.4
I0275	23	254	9.1
I0640	39	1,084	3.6
Region 1 TMC	0	91	0.0
SR001	4	4	100.0
SR009	5	5	100.0
SR031	2	2	100.0
SR032	1	1	100.0
SR033	7	7	100.0
SR034	2	3	66.7
SR035	5	5	100.0
SR037	3	3	100.0
SR058	4	4	100.0
SR061	2	2	100.0
SR062	1	2	50.0
SR063	1	1	100.0
SR067	4	4	100.0
SR070	2	2	100.0
SR071	4	4	100.0
SR073	4	4	100.0
SR091	1	1	100.0
SR092	1	1	100.0
SR093	1	1	100.0
SR095	3	3	100.0
SR107	2	2	100.0

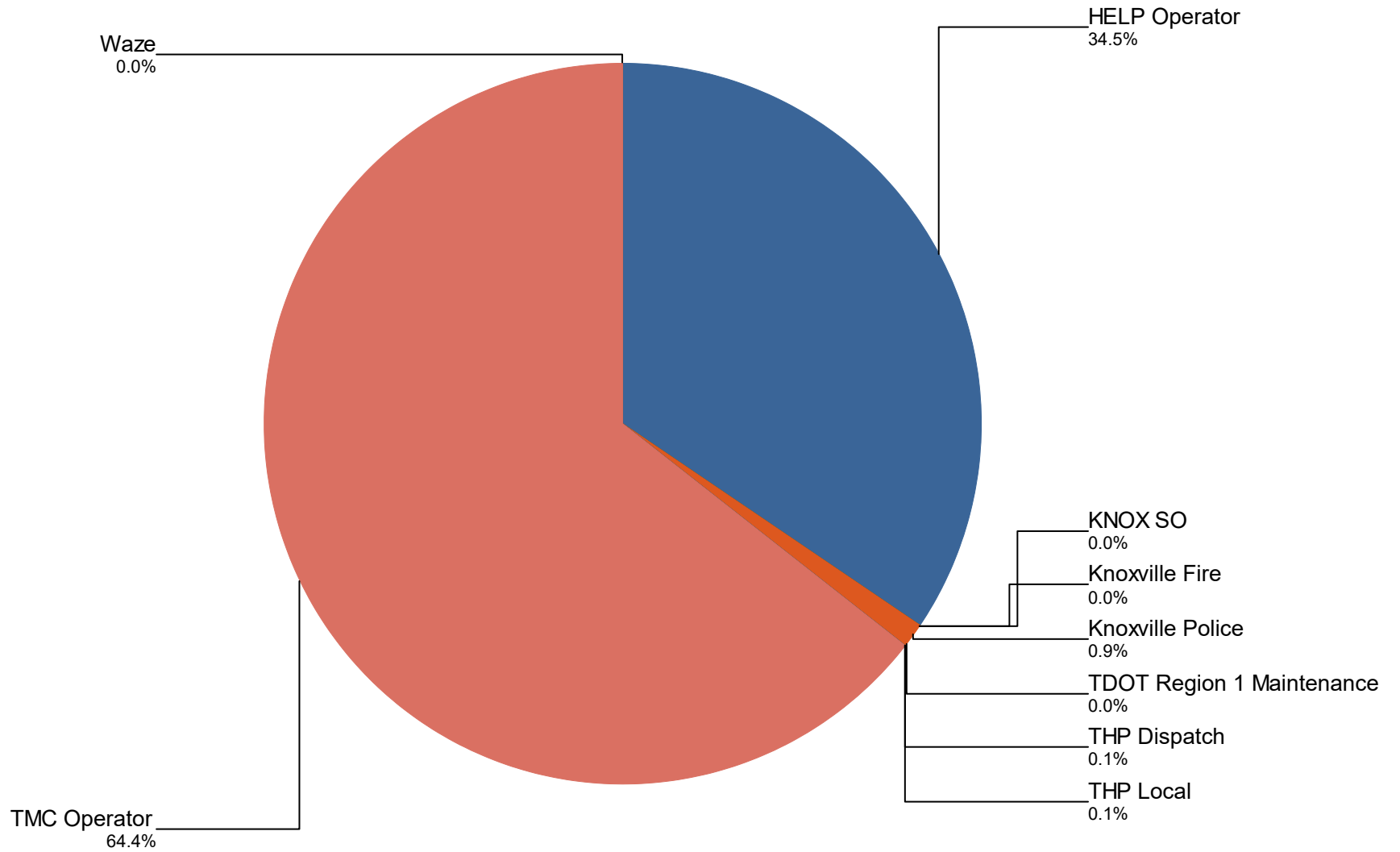
<b>SR115</b>	15	49	<b>30.6</b>
<b>SR126</b>	2	2	<b>100.0</b>
<b>SR131</b>	1	1	<b>100.0</b>
<b>SR158</b>	0	3	<b>0.0</b>
<b>SR162</b>	1	45	<b>2.2</b>
<b>SR168</b>	3	3	<b>100.0</b>
<b>SR170</b>	4	4	<b>100.0</b>
<b>SR297</b>	2	2	<b>100.0</b>
<b>SR322</b>	2	2	<b>100.0</b>
<b>SR331</b>	1	1	<b>100.0</b>
<b>SR333</b>	1	1	<b>100.0</b>
<b>SR394</b>	0	2	<b>0.0</b>
<b>All Roadways</b>	<b>597</b>	<b>6,341</b>	<b>9.4</b>

## Percentage of Event Types for All Events in Current Quarter



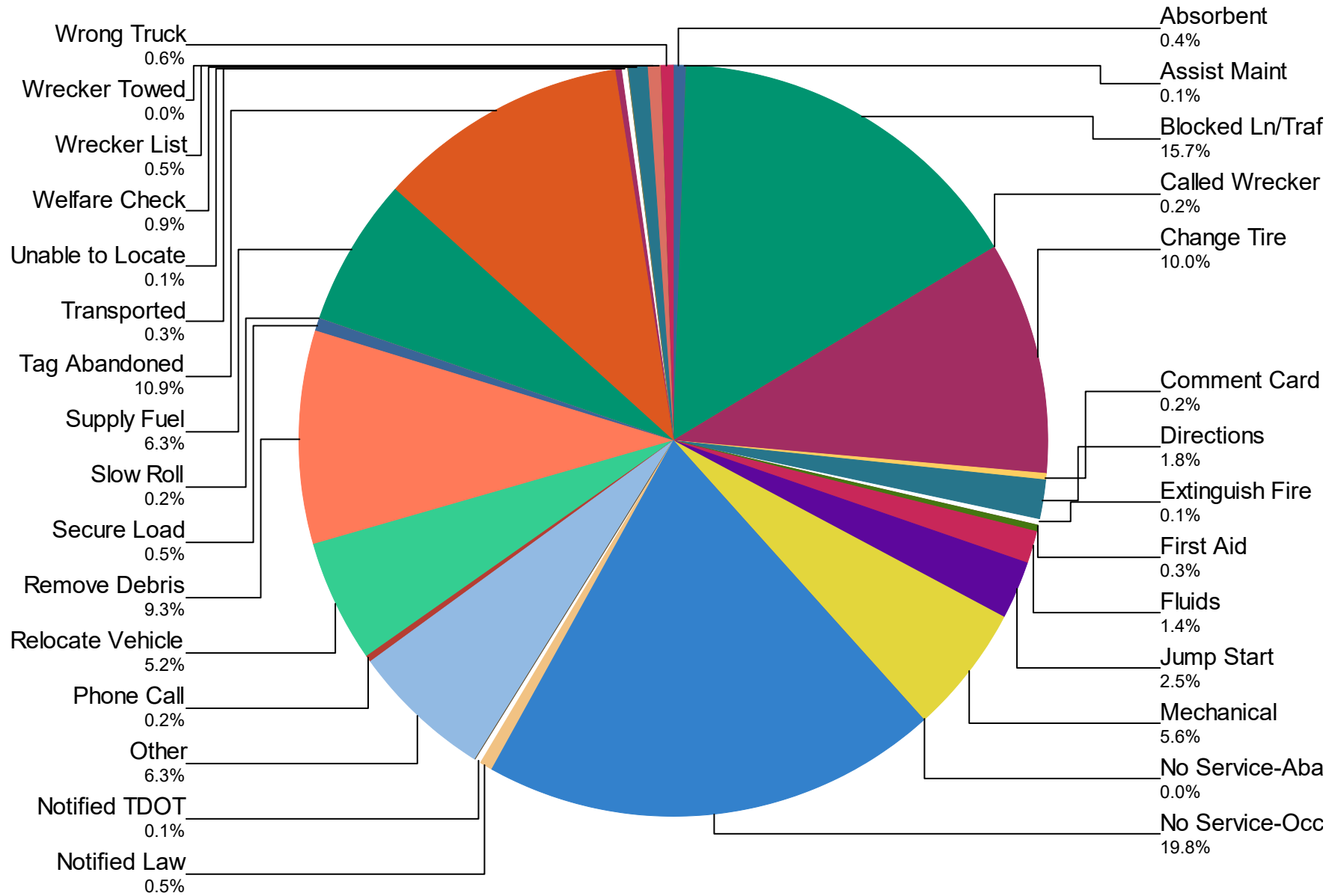
<b>Event Types for All Events</b>	<b>April</b>	<b>May</b>	<b>June</b>	<b>Total</b>	<b>%</b>
<b>Abandoned Vehicle</b>	223	238	261	<b>722</b>	<b>10.2%</b>
<b>Amber Alert</b>	0	0	2	<b>2</b>	<b>0.0%</b>
<b>Blue Alert</b>	0	0	1	<b>1</b>	<b>0.0%</b>
<b>Bridge Work</b>	0	1	0	<b>1</b>	<b>0.0%</b>
<b>Congestion</b>	226	221	244	<b>691</b>	<b>9.8%</b>
<b>Daily Log</b>	30	31	30	<b>91</b>	<b>1.3%</b>
<b>Debris on Roadway</b>	114	141	174	<b>429</b>	<b>6.1%</b>
<b>Disabled Vehicle</b>	1,155	1,200	1,241	<b>3,596</b>	<b>51.0%</b>
<b>Emergency Vehicles</b>	1	0	0	<b>1</b>	<b>0.0%</b>
<b>Grass Fire</b>	0	0	1	<b>1</b>	<b>0.0%</b>
<b>Interstate Shooting</b>	2	1	0	<b>3</b>	<b>0.0%</b>
<b>Jack-Knife Tractor Trailer</b>	1	0	2	<b>3</b>	<b>0.0%</b>
<b>MultiVehicle Crash</b>	164	187	143	<b>494</b>	<b>7.0%</b>
<b>Overtaken Vehicle</b>	11	15	6	<b>32</b>	<b>0.5%</b>
<b>PD/Med/Fire Activity</b>	15	4	4	<b>23</b>	<b>0.3%</b>
<b>Pedestrian</b>	2	0	0	<b>2</b>	<b>0.0%</b>
<b>Police Activity</b>	2	7	4	<b>13</b>	<b>0.2%</b>
<b>Rest Area</b>	0	4	1	<b>5</b>	<b>0.1%</b>
<b>Road Work - Emergency</b>	2	0	6	<b>8</b>	<b>0.1%</b>
<b>Road Work - Scheduled</b>	184	214	276	<b>674</b>	<b>9.6%</b>
<b>Single Vehicle Crash</b>	76	70	42	<b>188</b>	<b>2.7%</b>
<b>Special Event</b>	4	1	0	<b>5</b>	<b>0.1%</b>
<b>Test Incident</b>	0	2	3	<b>5</b>	<b>0.1%</b>
<b>Vehicle Fire</b>	15	18	14	<b>47</b>	<b>0.7%</b>
<b>Visibility</b>	2	4	0	<b>6</b>	<b>0.1%</b>
<b>Weather</b>	2	2	2	<b>6</b>	<b>0.1%</b>
<b>Total</b>	<b>2,231</b>	<b>2,361</b>	<b>2,457</b>	<b>7,049</b>	<b>100.0%</b>

# Incidents by Detection Source



<b>Notifier Agency</b>	<b>April</b>	<b>May</b>	<b>June</b>	<b>Total</b>	<b>%</b>
<b>HELP Operator</b>	816	803	811	2,430	34.5
<b>KNOX SO</b>	0	1	0	1	0.0
<b>Knoxville Fire</b>	1	0	0	1	0.0
<b>Knoxville Police</b>	24	18	24	66	0.9
<b>TDOT Region 1 Maintenance</b>	3	0	0	3	0.0
<b>THP Dispatch</b>	4	1	1	6	0.1
<b>THP Local</b>	0	1	3	4	0.1
<b>TMC Operator</b>	1,382	1,537	1,618	4,537	64.4
<b>Waze</b>	1	0	0	1	0.0
<b>Total</b>	<b>2,231</b>	<b>2,361</b>	<b>2,457</b>	<b>7,049</b>	<b>100.0%</b>

## Percentage of Activity Types for HELP Truck Activities in Current Quarter





**Activity Types for All Activities**

	April	May	June	Total	%
Absorbent	9	12	8	29	0.4
Assist Maint	3	4	0	7	0.1
Blocked Ln/Traf Ctrl	326	412	310	1,048	15.7
Called Wrecker	3	2	5	10	0.2
Change Tire	180	229	258	667	10.0
Comment Card	0	7	6	13	0.2
Directions	47	38	34	119	1.8
Extinguish Fire	1	0	4	5	0.1
First Aid	6	6	6	18	0.3
Fluids	27	30	34	91	1.4
Jump Start	53	56	59	168	2.5
Mechanical	128	111	132	371	5.6
No Service-Abandon	0	2	1	3	0.0
No Service-Occupied	431	436	453	1,320	19.8
Notified Law	12	13	10	35	0.5
Notified TDOT	4	4	1	9	0.1
Other	126	136	157	419	6.3
Phone Call	3	4	4	11	0.2
Relocate Vehicle	126	117	102	345	5.2
Remove Debris	187	217	212	616	9.3
Secure Load	6	16	10	32	0.5
Slow Roll	4	4	5	13	0.2
Supply Fuel	127	156	135	418	6.3
Tag Abandoned	228	240	260	728	10.9
Transported	3	5	11	19	0.3
Unable to Locate	0	1	4	5	0.1
Welfare Check	35	21	5	61	0.9
Wrecker List	8	9	17	34	0.5
Wrecker Towed	0	0	1	1	0.0
Wrong Truck	13	15	11	39	0.6
<b>Total</b>	<b>2,096</b>	<b>2,303</b>	<b>2,255</b>	<b>6,654</b>	<b>100.0%</b>



# DMS Duration

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	<b>Apr</b>	<b>May</b>	<b>Jun</b>
Avg % ON Time	22.1	15.3	1.0
Avg Post Time (hr)	2.7	2.0	3.1
Avg Messages Per Sign	59.5	57.9	56.0
Total Messages Posted	1,905	1,854	1,791