

Public Works Department

**Orange County
School Zone Speed Detection Camera
Program**

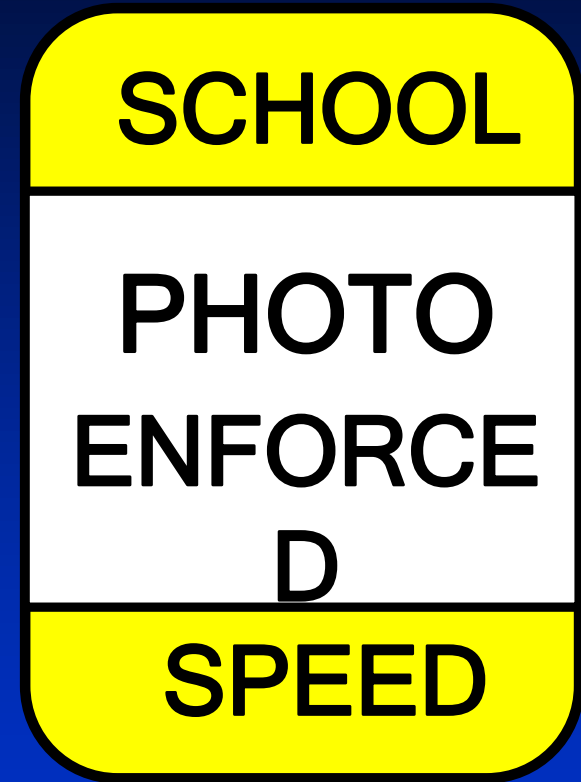
Public Hearing Chapter 35 Article IX

August 26, 2025



Presentation Outline

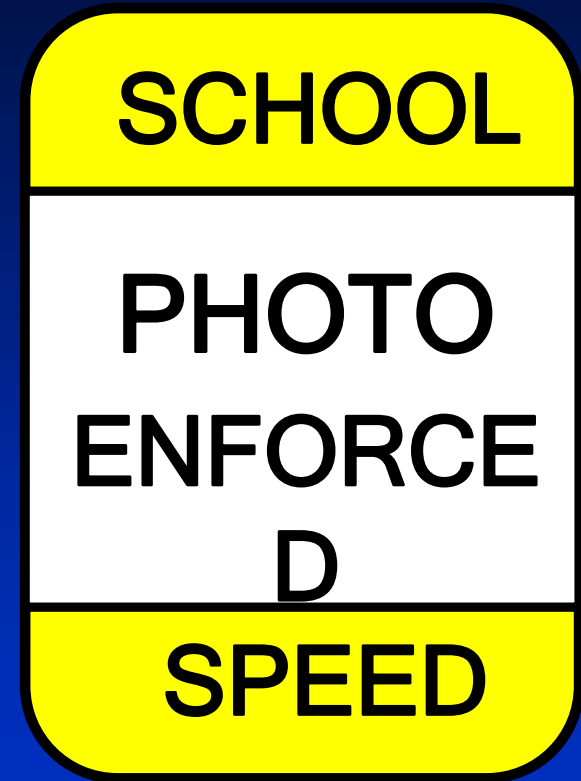
- Background
- School Safety Study
- Ordinance
- Next Steps
- Memorandum of Understanding
- Action Requested





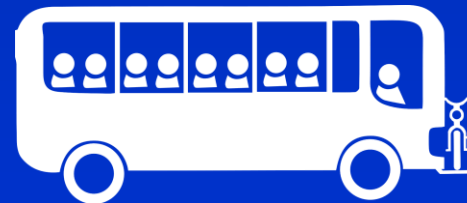
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Background

- Florida Statute framework for school zone speed detection systems:
 - The county or municipality must collect traffic data supporting the installation of each proposed school zone speed detection system
 - The county or municipality must determine that there is a heightened safety risk
 - Period of fine is from 30 minutes before to 30 minutes after scheduled school session
 - \$100 fine for speeds 10 MPH over the posted school zone speed limit
 - Must have a 30-day public awareness campaign



Background

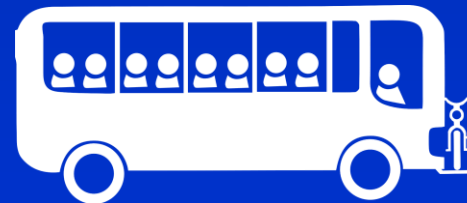
- On December 17, 2024, staff presented the requirements developing an ordinance setting forth the intent, terms, and processes for the program specific school zones within which the cameras would be placed.
- Board directed staff to do the following:
 - Move forward with conducting studies on 12 potential schools (2 per commission district) for year 1
 - Development of an ordinance authorizing placement of speed detection systems in school zones



Background

▪ Effective July 1, 2023 FS 316.008 (9)

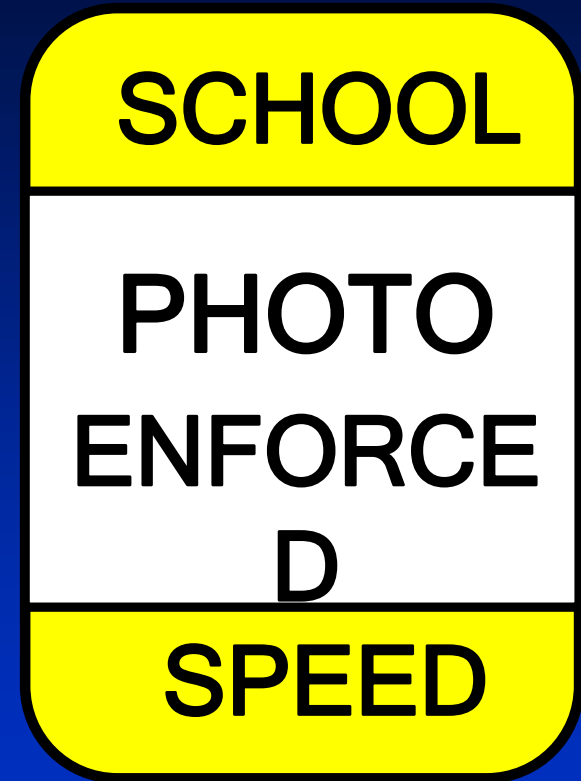
A county or municipality must enact an ordinance in order to authorize the placement or installation of a speed detection system on a roadway maintained as a school zone as authorized by this subsection. As part of the public hearing on such proposed ordinance, the county or municipality must consider traffic data or other evidence supporting the installation and operation of each proposed school zone speed detection system, and the county or municipality must determine that the school zone where a speed detection system is to be placed or installed constitutes a heightened safety risk that warrants additional enforcement measures pursuant to this subsection.





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School Selection Study

Phase 1

- Coordinated with each district commissioner, Orange County Public Schools, and the Orange County Sheriff's office on school site selection
- Conducted speed studies at 12 schools (two in each commission district) across the County to determine if elevated safety risks justified installing automated speed enforcement devices, in accordance with F.S. 316.008(9)(c).
- School zones are signed with flashers indicating a reduced school zone speed limit is in effect during the arrival and dismissal periods



School Selection Study

▪ Schools selected for 1st year program implementation

District 1

- Dr. Phillips ES
- Hunter's Creek ES

District 2

- Rock Springs ES
- Meadowbrook MS

District 3

- Three Points ES
- Sally Ride ES

District 4

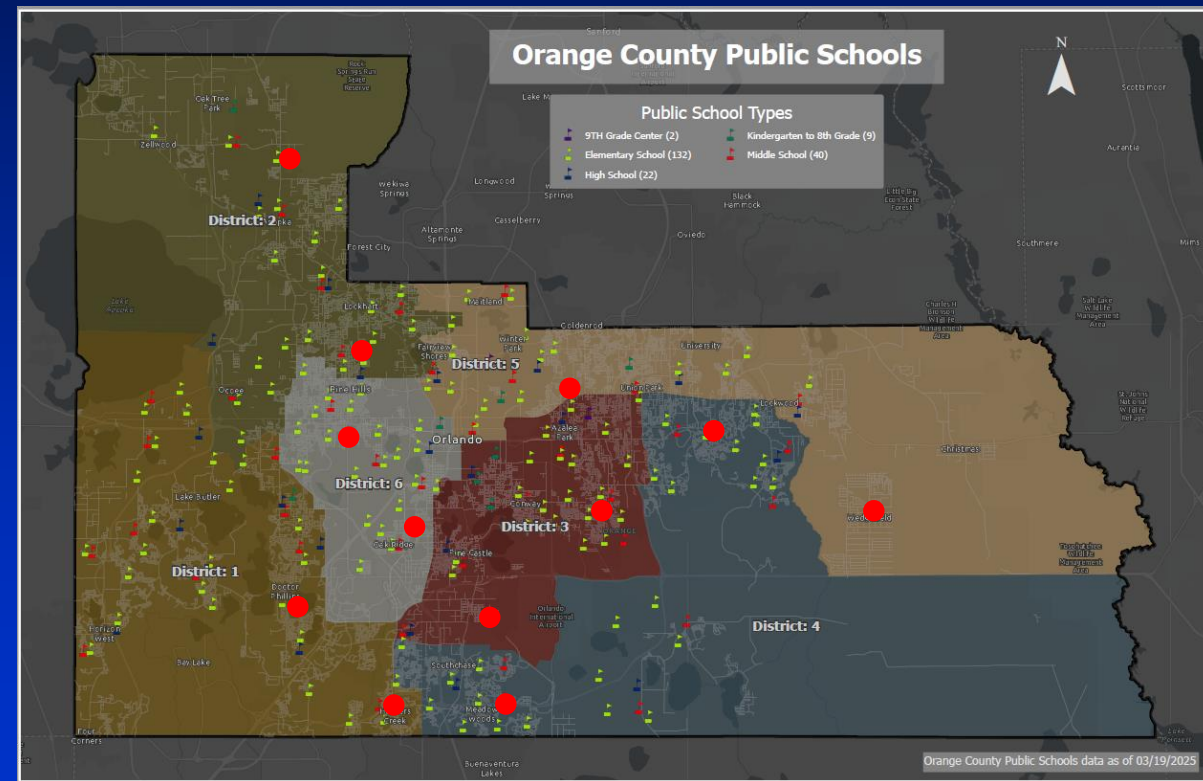
- Discovery MS
- South Creek MS

District 5

- Wedgefield K-8
- Cheney ES

District 6

- Oak Hill ES
- Palmetto ES





School Selection Study

- Speed data was collected at each school on both a Tuesday and Thursday in the month of April while school was in session
- Speed data was reported starting at 0-10 MPH and then in 5 MPH increments, and data was aggregated and summarized for the school arrival and dismissal periods
- An inventory of school zone speed limit signs, traffic calming devices, and other warning signs was completed

School: Meadowbrook Middle School
 Address: 6000 North Lane, Orlando, FL 32808
 District: 2
 School Start Time: 9:30 AM
 Standard Speed Limit: 35 MPH
 Data Collection Date: Tuesday, April 29, 2025 & Thursday, May 1, 2025
 Direction: Northbound on Powers Drive
 School Zone Devices: School zone is denoted by post mounted signage with flashers. Crosswalk across Powers Drive with S1-1 and W16-1P signage is located at intersection with Powers Ridge Drive. School zone is started with Kingsway Christian Academy.

School Dismissal Time: 4:04 PM
 School Speed Limit: 20 MPH

Kimley-Horn

	0-15 MPH	16-20 MPH	21-25 MPH	26-30 MPH	31-35 MPH	36-40 MPH	41-45 MPH	46-50 MPH	51-55 MPH	56 MPH+
6:00 AM	1	1	7	5	17	11	9	3	2	0
6:15 AM	1	1	5	12	24	22	18	4	0	0
6:30 AM	0	0	3	12	36	34	21	5	0	0
6:45 AM	4	2	7	9	29	30	8	3	0	0
7:00 AM	0	0	11	19	46	59	16	2	2	0
7:15 AM	1	1	6	33	45	45	20	3	1	0
7:30 AM	1	10	28	56	37	33	15	1	0	0
7:45 AM	15	57	54	31	13	10	2	0	0	0
8:00 AM	21	63	62	39	8	3	1	1	0	0
8:15 AM	18	83	58	34	18	3	0	0	0	0
8:30 AM	25	59	45	33	12	4	0	0	0	0
8:45 AM	33	60	45	30	15	2	0	0	0	0
9:00 AM	21	82	42	24	12	3	1	0	0	0
9:15 AM	9	74	57	19	14	10	1	0	0	0
9:30 AM	12	34	42	17	17	5	2	2	0	0
9:45 AM	1	4	14	40	62	44	12	1	1	0
10:00 AM	0	3	3	22	36	35	10	1	0	0
10:15 AM	0	0	6	27	39	39	10	0	0	0
10:30 AM	0	2	7	20	54	44	10	4	0	0
10:45 AM	0	0	4	24	36	47	14	5	0	0
11:00 AM	0	2	8	13	47	32	9	0	0	1
11:15 AM	0	7	21	38	33	22	4	1	0	0
11:30 AM	9	9	30	24	34	20	2	3	0	0
11:45 AM	20	17	9	28	16	22	2	0	0	0

	0-15 MPH	16-20 MPH	21-25 MPH	26-30 MPH	31-35 MPH	36-40 MPH	41-45 MPH	46-50 MPH	51-55 MPH	56 MPH+
12:00 PM	18	53	26	11	35	20	8	3	0	0
12:15 PM	9	24	56	45	21	20	8	1	0	1
12:30 PM	2	8	48	46	49	16	6	0	0	0
12:45 PM	0	13	39	54	40	20	2	1	0	0
1:00 PM	0	3	4	51	60	22	4	0	0	0
1:15 PM	0	5	34	43	37	24	3	0	0	0
1:30 PM	1	0	13	41	47	30	14	2	0	0
1:45 PM	0	0	13	39	48	37	14	1	0	0
2:00 PM	1	0	6	43	49	28	14	1	0	0
2:15 PM	0	2	7	39	85	46	11	1	0	0
2:30 PM	21	53	48	40	19	7	2	0	0	0
2:45 PM	28	61	63	50	17	2	2	0	0	0
3:00 PM	10	84	63	45	12	5	1	0	0	0
3:15 PM	14	57	60	39	19	4	0	0	0	0
3:30 PM	19	54	48	45	20	8	3	0	0	0
3:45 PM	16	25	56	38	18	9	1	0	0	0
4:00 PM	30	87	67	38	16	2	0	0	0	0
4:15 PM	45	68	53	25	14	4	1	0	0	0
4:30 PM	9	57	57	61	22	11	1	0	0	0
4:45 PM	34	33	35	68	45	20	7	4	0	0
5:00 PM	0	1	28	59	78	48	8	0	0	0
5:15 PM	1	10	14	40	91	50	11	2	0	0
5:30 PM	0	8	22	50	86	55	13	0	0	0
5:45 PM	0	0	6	39	115	70	15	3	0	0

Dismissal School Zone Activations:

	16-20 MPH	21-25 MPH	26-30 MPH	31-35 MPH	36-40 MPH	41-45 MPH	46-50 MPH	51-55 MPH	56 MPH+	
Tuesday	42	190	141	60	43	18	4	3	0	0
Thursday	110	284	224	146	68	23	5	0	0	0

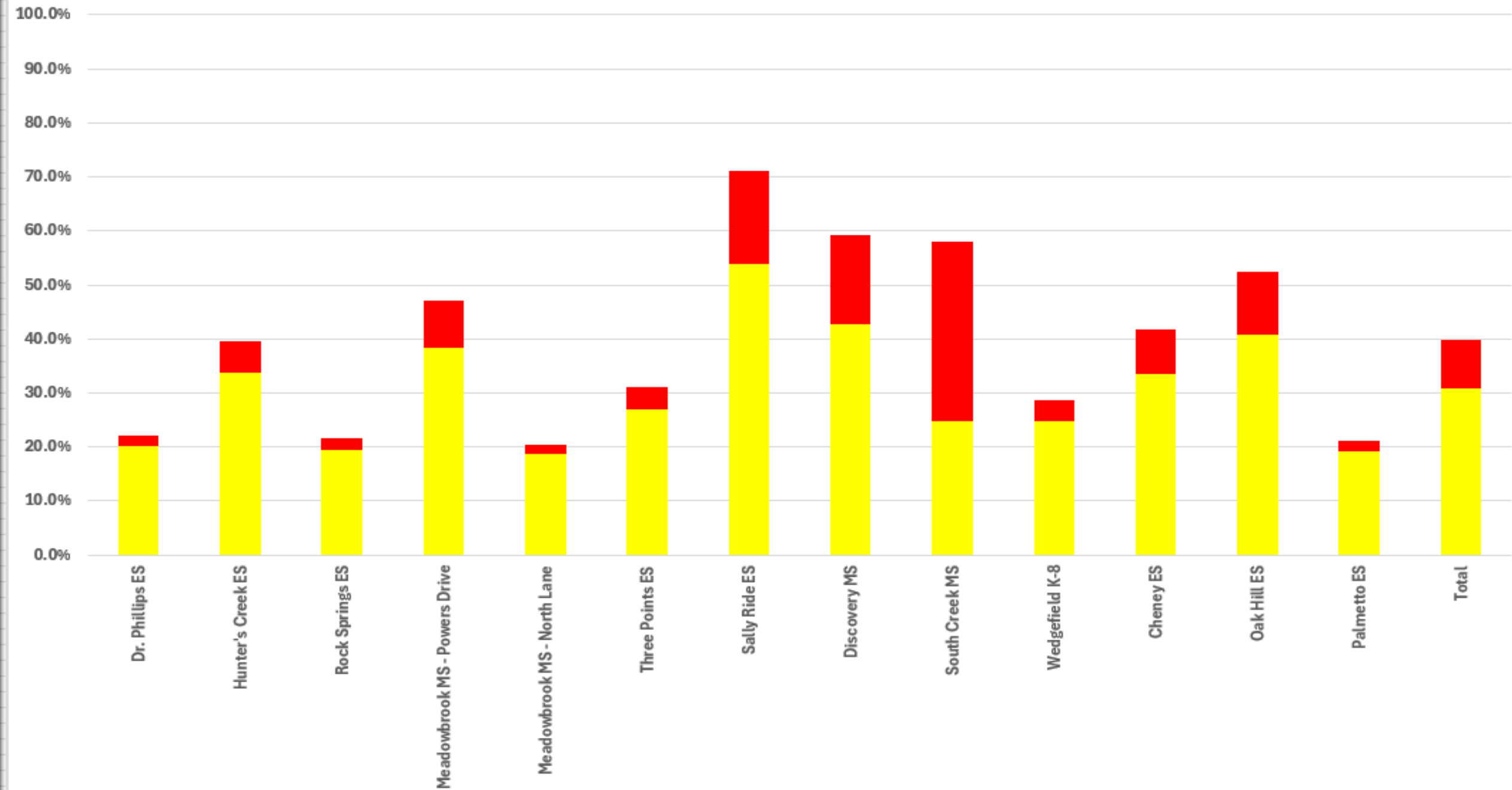
Total Between School Zone Activations:

	16-20 MPH	21-25 MPH	26-30 MPH	31-35 MPH	36-40 MPH	41-45 MPH	46-50 MPH	51-55 MPH	56 MPH+	
Tuesday	61	152	348	648	828	568	157	25	1	2
Thursday	120	474	374	214	134	51	18	11	1	0

Total Violations (≥10 MPH over effective Speed Limit): 192

School Zone Speed Compliance

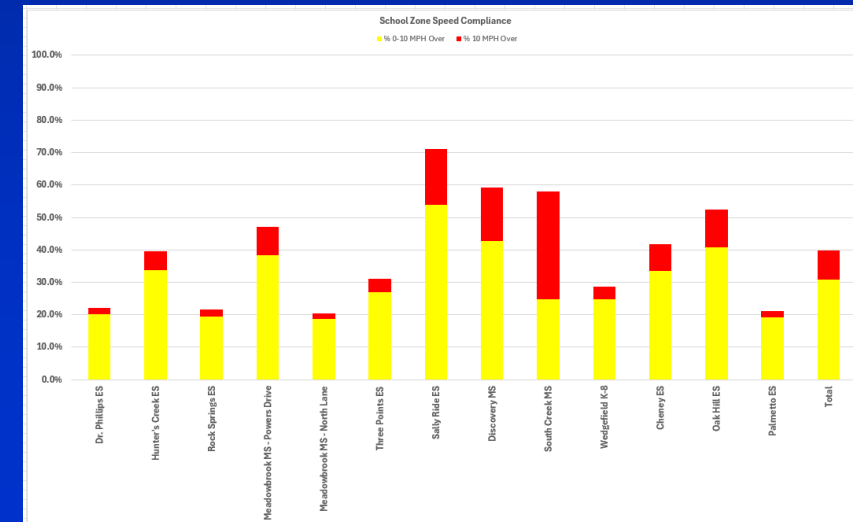
% 0-10 MPH Over % 10 MPH Over





School Selection Study

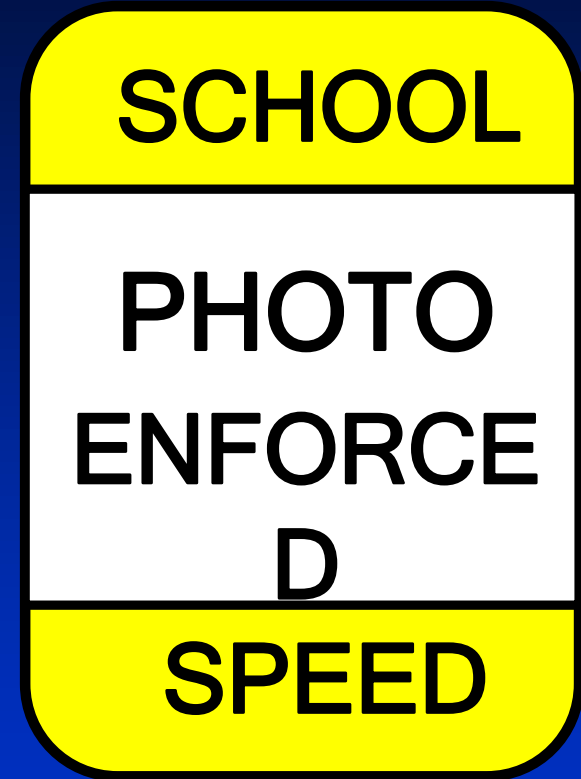
- Over the two day collection period, nearly all school zones experience a total of 400 vehicles speeding during the arrival and dismissal periods
- This can be broken down to an average of 100 speeding vehicles in each school zone, each hour of arrival and dismissal on a single day
- All schools experience more than 20% of traffic speeding and exceeding the 20 MPH survivability speed for a collision with a pedestrian, with some schools as high as 70% speeding
- Staff concluded that these results meet the requirements of a heightened safety risk as stipulated by FS 316.008 (9)(c).





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- **Creation of Chapter 35, Article IX of the Orange County Code**
- **Sec. 35-116 Intent**
 - Establishes a School Zone Speed Enforcement Program using automated speed detection systems.
 - Aims to enhance student safety and reduce speeding in designated school zones.
 - Provides enforcement of school zone speed violations.
- **Sec. 35-118 Use of speed detection systems**
 - The County has chosen to implement speed detection systems under Florida Statute § 316.008(9).
 - Speed detection systems will support law enforcement in ensuring drivers comply with state laws regarding speeding in school zones.

- **Sec. 35-119 Program Administration**

- Enforcement duties performed by the Orange County Sheriff's Office
- Orange County will contract with a vendor to provide services that aid in implementing and enforcing Chapter 2023-174, Laws of Florida.

- **Sec. 35-121 Designation of School Zones**

- School zones selected for implementation are included in ordinance and include 12 schools and 13 total school zones.
- School zones must constitute a heightened safety risk that warrants additional enforcement measures
- Additional Speed Detection Systems may be approved via amendment to this section in accordance with applicable law.

- Sec. 35-122 Enforcement procedures

- Violations are captured if a vehicle exceeds the school zone speed limit by 10+
- Fine is \$100.00 and an appeal may be made per Florida Statute § 316.1896.
- Applies to 30 min before and after the start and end of school day where speeds are reduced, and during the school day at the regularly posted speed limit.

- Section 35-124 Annual reporting

- Annual reports must be submitted to the public and the Florida Department of Highway Safety and Motor Vehicles.

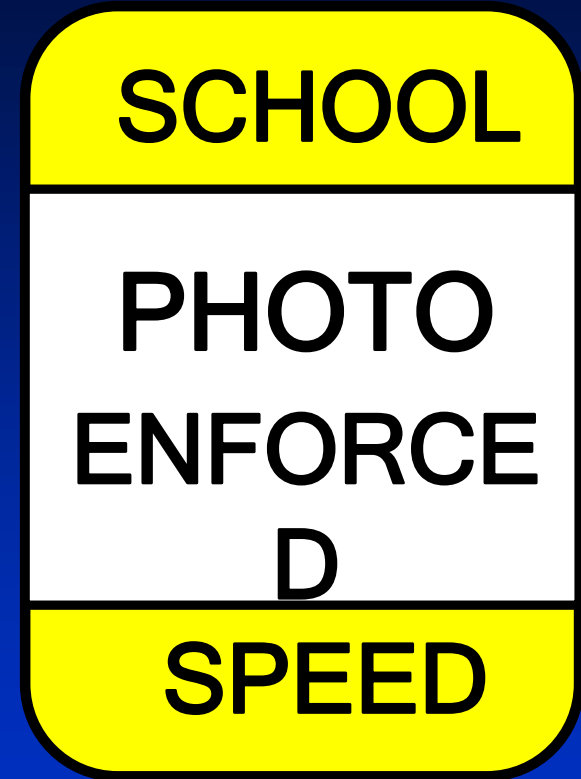
- Effective date

- Ordinance becomes effective upon adoption and publication as required by law.
- Adopted August 26, 2025.
- Implementation of devices in Fall of 2026.



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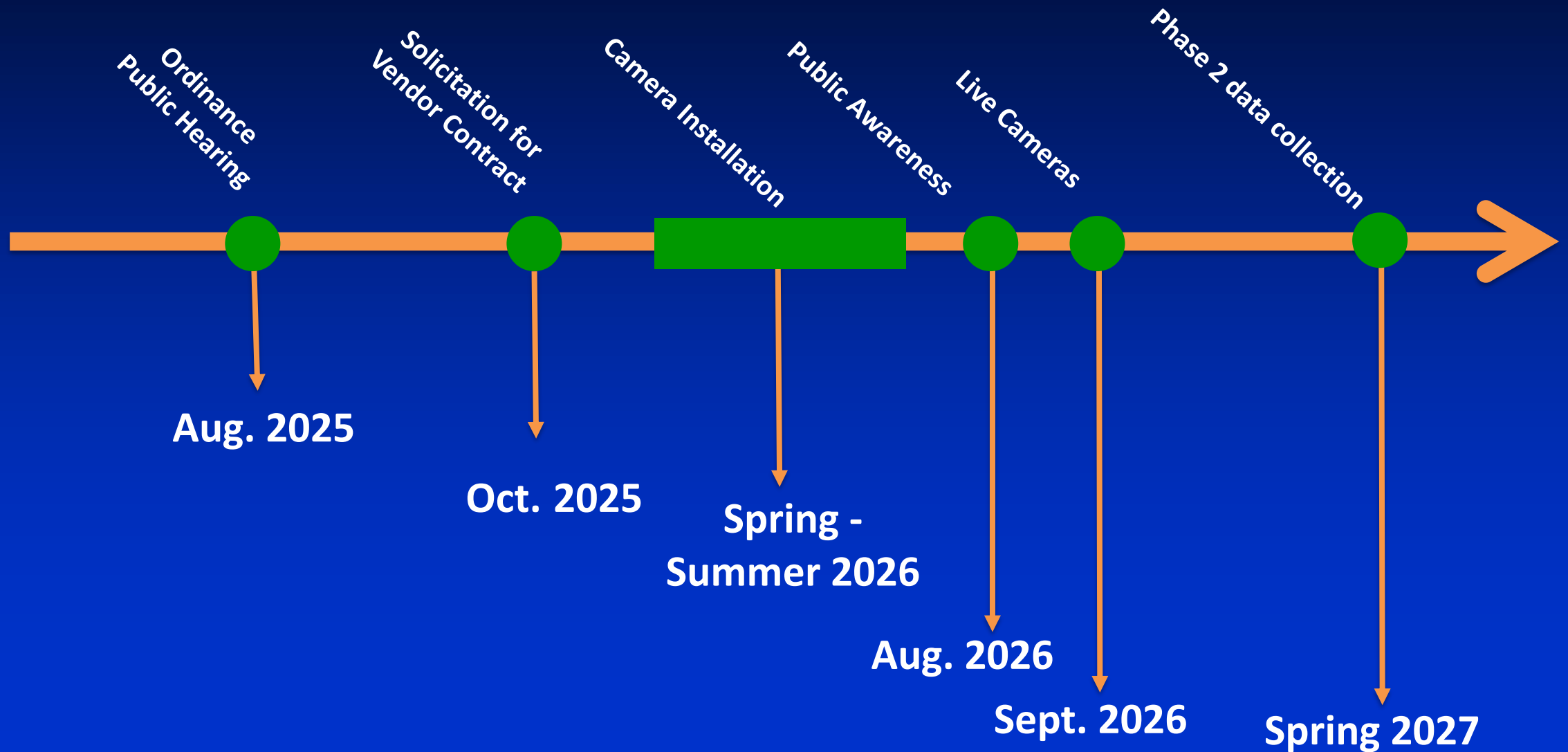


Next Steps/Schedule

- **Community engagement and education**
- **Year 2 and subsequent years; selection of 16 additional school zones for installation of automated speed enforcement cameras**
- **Determination of staff resources needed for both Orange County and Sheriff's Office to successfully manage the program**
- **Submission of yearly reports to the Board of County Commissioners**



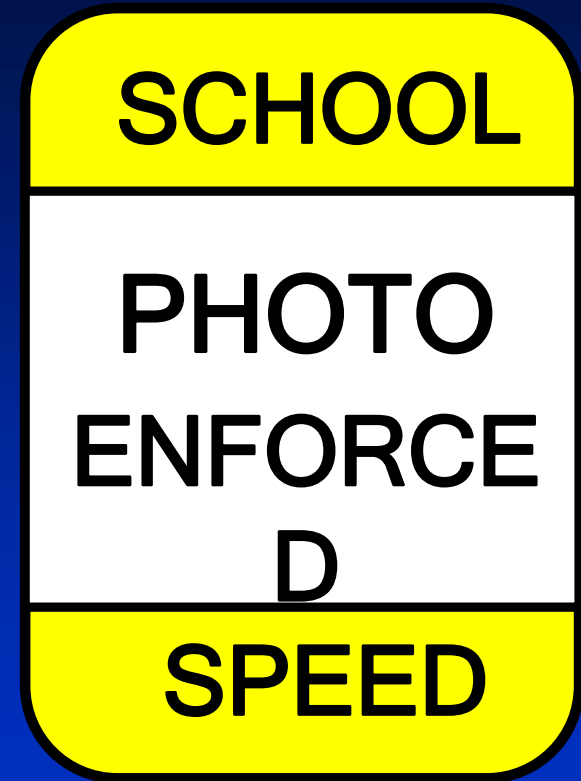
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Memorandum of Understanding

Purpose & Roles:

- The MOU outlines collaboration between the Orange County Sheriff's Office and the County to designate and use non-sworn Traffic Infraction Enforcement Officers (TIEOs) to help implement red light and school speed zone camera enforcement programs.

Funding & Staffing:

- The County agrees to fund all costs for TIEOs—including salaries, training, benefits, and equipment—through the Sheriff's annual budget, with adjustments made as needed based on program growth.

Operations & Enforcement:

- The Sheriff will manage TIEOs, ensure proper training, and develop procedures for issuing traffic violations. Any revenue from citations will be retained and managed by the County in accordance with applicable laws.

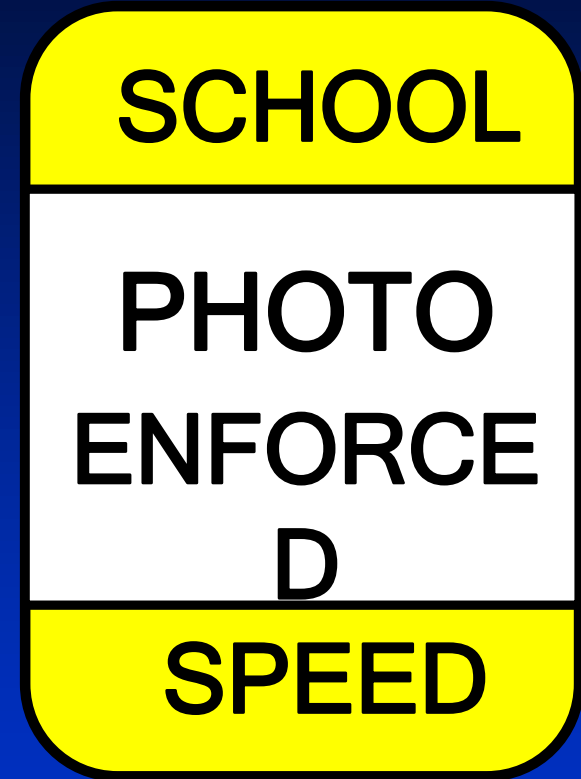
Budget Planning & Ratios:

- For FY 2025-26, 3 TIEOs will be added for school zone enforcement. Future staffing levels will be based on agreed camera-to-TIEO ratios and evaluated annually through the budget process.



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Action Requested

- Approval and adoption of an Ordinance Amending Chapter 35 of the Orange County Code By Creating Article IX, “School Speed Zone Infractions And Enforcement Cameras”; Authorizing a School Speed Zone Enforcement Program and Use of Speed Detection Systems, Specifying Intent, Creating Definitions, Providing for Program Administration and Implementation Requirements, Designating School Zones, Creating Enforcement Procedures, Providing for Collection of Evidence, Public Records and Retention Requirements, Requiring Annual Reporting, Providing for the Remittance of Collected Fines and Costs; and Providing for an Effective Date; and
- Approval and execution of a Memorandum of Understanding between the Orange County Sheriff’s Office and Orange County, Florida, Relating to Traffic Infraction Enforcement Officers; and
- Allow staff to correct any non-substantial grammatical or scrivener’s errors