QUALITATIVE ASSESSMENT For SR 40 at Booth Road

Volusia County Section 79100 Mile Post 26.027

Prepared for:

THE FLORIDA DEPARTMENT OF TRANSPORTATION DISTRICT 5 TRAFFIC OPERATIONS

719 South Woodland Boulevard DeLand, Florida 32720



Continuing Services Contract for Traffic Operations Financial Project No. 237988-1-32-11 Contract C-9R60 Work Order No. 25 Study 2

> Prepared by: Vanasse Hangen Brustlin, Inc. 225 East Robinson Street, Suite 300 Orlando, FL 32801

> > December 2018

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This item has been digitally signed and sealed by

on the date adjacent to the seal.

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Vanasse Hangen Brustlin, Inc. 225 E. Robinson Street, Suite 300 Orlando, FL 32801 Certificate of Authorization 3932 Jennifer M. DiStefano, P.E. No. 81844



Figure 1 - Location Map

Study Intersection SR 40 at Booth Road Volusia County Section: 79100000; MP: 26.027 ArcMaps by Esri] September 21st, 2018

EXISTING CONDITION

The characteristics of the study intersection of SR 40 with Booth Road in the City of Ormond Beach in Volusia County are summarized below. An intersection condition diagram and photographs of each respective approach are provided in the following pages.

Features	Description
Main Street	SR 40 oriented east-west; four-lane divided rural section; Access Class 5.
Minor Street	Booth Road (south approach) oriented north-south; two-lane undivided rural section; Calvary Christian Center Driveway (north approach) oriented north- south; four-lane undivided urban section with Miami curb on the east side and Type F curb on the west side.
Number of Intersection Approach Lanes	NB Approach: 1 Lane SB Approach: 1 LT-Only Lane & 1Thru/Right Lane EB Approach: 1 LT-Only Lane, 2 Thru Lanes, & 1 Bike Lane WB Approach: 1 LT-Only Lane, 2 Thru Lanes, 1 RT-Only Lane, & 1 Bike Lane
Traffic Control	Signalized
Posted Speeds	SR 40: 50 mph Booth Road: None Calvary Christian Center Driveway: None
Sidewalks	Both sides of SR 40 east of Booth Road.
Pedestrian/Bicycle Generators	Retail/commercial development southeast of the intersection.
Nearest Signalized Intersections	I-95 SB Ramp 0.27 mi. east of Booth Road on SR 40 and Tymber Creek Road 0.54 mi. west of Booth Road.
Roadway Lighting	None on SR 40 or Booth Road, lights located within the Calvary Christian Center Driveway north of SR 40.
Surrounding Development	Office/Medical south of SR 40, Institutional/Religious north of SR 40, Retail/Commercial east of the intersection on SR 40.

SR 40 at Booth Road North Approach



Exhibit 1: Looking south into the intersection along Calvary Christian Center Driveway



Exhibit 2: Looking north from the intersection along Calvary Christian Center Driveway

SR 40 at Booth Road South Approach



Exhibit 3: Looking north into the intersection along Booth Road



Exhibit 4: Looking south from the intersection along Booth Road

SR 40 at Booth Road West Approach



Exhibit 3: Looking east into the intersection along SR 40



Exhibit 4: Looking west from the intersection along SR 40

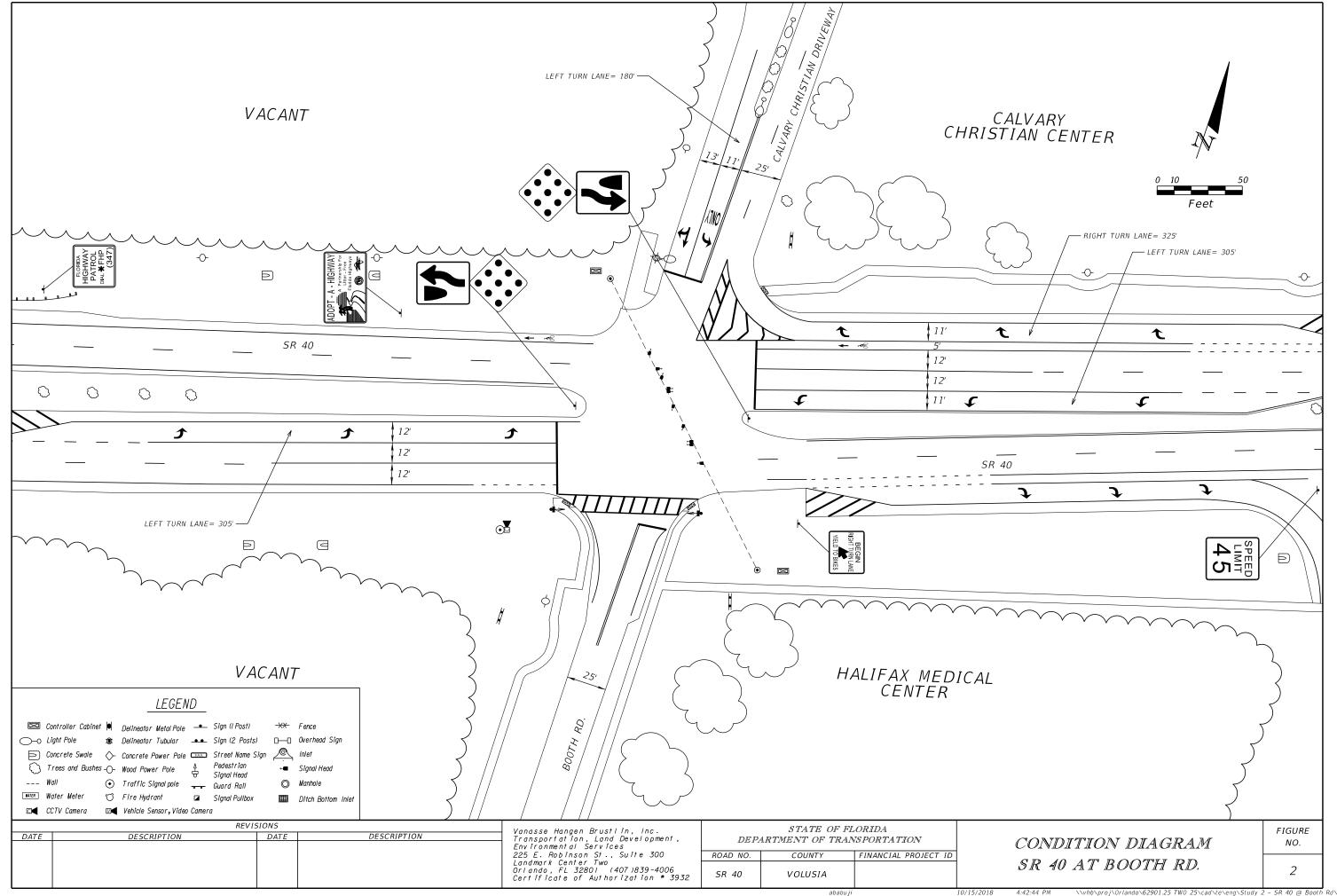
SR 40 at Booth Road East Approach



Exhibit 5: Looking west into the intersection along SR 40



Exhibit 6: Looking east from the intersection along SR 40



COLLISION ANALYSIS

According to crash records obtained by VHB from Signal4Analytics and CARS, one crash was reported near the intersection of SR 40 and Booth Road during the most recent 12-month period covering January 1, 2017 to December 31, 2017. The crash did not involve an injury or fatality, and the total property damage value was estimated at \$2,300. A collision diagram and collision summary table are provided in the following pages.

The number of crashes by type are as follows:

• Rear End 1 (100%)

The rear end crash (#1) involved two eastbound vehicles stopped at a red light. As the light turned green the trailing vehicle rolled forward into the leading vehicle. The crash did not result in an injury, and occurred during the day on dry pavement. Careless driving was listed as the contributing cause.

Contributing causes cited in the crash reports are summarized as follows:

Careless Driving 1 (100%)

Lighting conditions are summarized as follows:

• Daylight 1 (100%)

Pavement conditions are also summarized as follows:

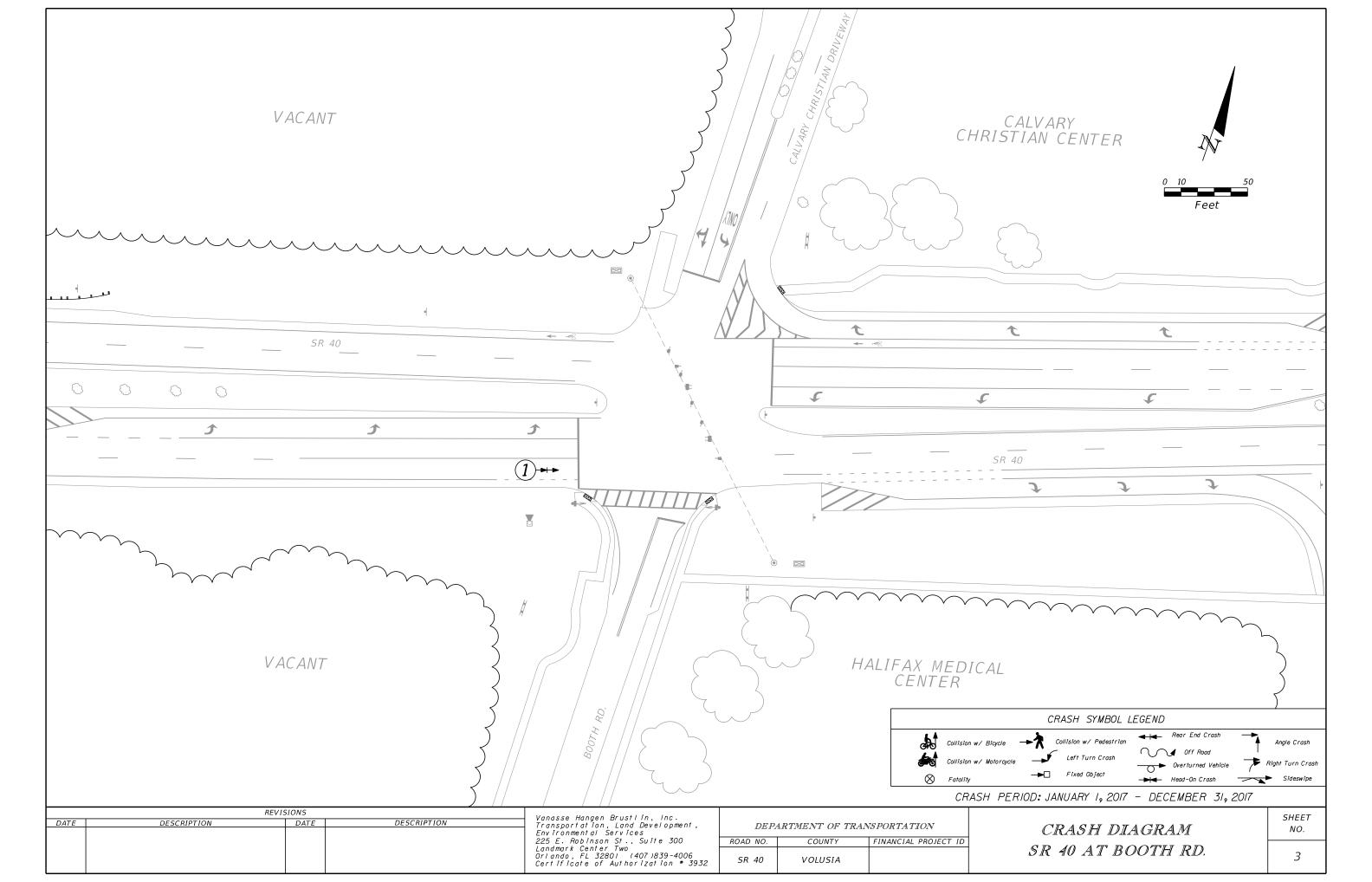
• Dry Pavement 1 (100%)

Additional crash data from January 2018 to date was reviewed to determine if a crash pattern extends beyond the initial year of data. According to the available reports, three additional rear end crashes have been reported thus far in 2018. Two involved injuries, one occurred in dark-lighted conditions, and one occurred on wet pavement. Contributing causes included careless driving and driving under the influence.

TABLE 1

CRASH SUMMARY

			INTERSEC	AJOR ROUTE: FING ROUTE: JDY PERIOD:	Booth Road	to	12/31/2017								COUNTY: CITY: ENGINEER:	Ormond Bea	zh			
CRASH REF. NO.	HSM	V NO.	DATE DAY TIME		DOB	AGE	PED /BIKE /MOTORCYCLE		ALCOHOL/ DRUGS			FATAL	INJURY	PROPERTY DAMAGE	LIGHTING CONDITION		PAVEMENT CONDITIONS	CONTRI CA		
1	8551	85511276 7/19/2017 Wednesday 7:53 AM 5/20/1996 21 Vehicle		nicle	No	Rear	r End	0	0	\$2,300	Day	light	Dry	Careless	Driving					
Total													0	0	\$2,300					
															1					
	CRASH DESCRIPTION															-		CRASH TYPE	1	
	TOTAL CRASHES	FATAL CRASHES	INJURY CRASHES			PED/BIKE/MOTO RCYCLE	ONE VEHICLE	DAYLIGHT		GHTING CONDIT DARK (NO SL)	ON DUSK	DAWN	ROADWAY	DRY	ANGLE	LEFT TURN	RIGHT TURN	REAR END	SIDE SWIPE	HEAD ON
	1	0	0	0	1	A A	0	DAYLIGHT	DARK (SL)	DARK (NO SL)	DUSK	DAWN	0 WEI	1	0	0	0	1	0	0
		0%	0%	0%	100%	0%	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%
												°Ε			1					
	BACKED INTO	PARKED CAR	COLL, W/ MV ON ROAD	PEDESTRIAN	BIKE	BIKE IN BIKE LANE	MOTORCYCLE/ MOPED	TRAIN	ANIMAL	HIT SIGN/ SIGN POST	HIT GUARDRAIL	HIT UTILITY POLE	HIT FENCE	HIT CONC BARRIER WALL	HIT BR/PIER/ ABUTT	HIT TREE/ SHRUB	HIT CONST SIGN/BARR/ BR/ PIER	TRAFFIC GATE	CRASH ATTENUATOR	FIXED OBJECT
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	OTHER FIXED OBJECT	MOVEABLE OBJECT	RAN INTO DITCH/ CULVERT	RAN OFF ROAD	OVERTURNED	OCCUPANT FELL FROM VEHICLE	CRASH TY TRACTOR TRAILER JACKKNIFED	FIRE	EXPLOSION	DOWNHILL RUNAWAY	CARGO LOSS OR SHIFT	SEPARATION OF UNITS	MEDIAN CROSSOVER	ALL OTHER	NO IMPROPER DRIVING	CARELESS DRIVING		ONTRIBUTING CAUSE	IMPROPER LANE CHANGE	IMPROPER TURN
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%
				· ·					CONTRI	BUTING CAUSE	•			•			•			
	ALCOHOL- UNDER INFLUENCE	DRUGS- UNDER INFLUENCE	FOLLOWED TOO CLOSELY	DISREGARDED TRAFFIC SIGNAL	EXCEEDED SAFE SPEED LIMIT	DISREGARDED STOP SIGN	FAILED TO MAINTAIN VEHICLE	IMPROPER PASSING	DROVE LEFT OF CENTER	EXCEEDED STATED SAFE SPEED LIMIT	OBSTRUCT TRAFFIC	FAILURE TO SECURE LOAD	DISREGARD OTHER TRAFFIC CONTROL	DRIVING WRONG SIDE/ WAY	FLEEING POLICE	VEHICLE MODIFIED	DRIVER DISTRACT- ION	ALL OTHER		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%		



EIGHT HOUR TURNING MOVEMENT COUNTS

Eight-hour turning movement counts were collected at the intersection of SR 40 and Booth Road on a Wednesday from 7:00 a.m. – 9:00 a.m., 11:00 a.m. to 1:00 p.m., and 2:00 p.m. to 6:00 p.m. The traffic counts along SR 40 revealed a predominantly eastbound directional flow pattern during the morning time period and a primarily westbound directional flow during the midday and p.m. periods. Hourly directional traffic volumes on eastbound SR 40 range from 1,671 vehicles per hour (vph) in the a.m. period to 868 vph in the midday period to 999 vph during the p.m. period. Westbound SR 40 directional traffic volumes range from 784 vph in the a.m. period to 1,051 vph in the midday period to 1,524 vph in the p.m. period. On the westbound approach, 162 u-turn movements were recorded and on the eastbound approach six u-turns were recorded during the eight-hour period. Heavy vehicles accounted for approximately 2.9% of the total traffic on SR 40.

Traffic flow on northbound Booth Road ranged from 26 to 78 vph for seven of the eight hours with a peak flow of 82 vph from 12:00 p.m. to 1:00 p.m. Heavy vehicles accounted for approximately 0.6% of the traffic on Booth Road northbound. The southbound approach at the intersection is the driveway to Calvary Christian Center. Traffic volumes on the driveway ranged from 30 vph to 192 vph for seven of the eight hours with a peak flow of 199 vehicles during the 8:00 a.m. to 9:00 a.m. hour. The peak hours on the driveway are consistent with school drop-off and pick-up times. Heavy trucks accounted for approximately 0.9% of the driveway traffic.

	NB	SB	EB	WB
U-turn	0%	0.3%	0.1%	1.9%
Left-Turn	24.9%	82.6%	1.4%	3.8%
Through	2.6%	0.6%	96.5%	93.7%
Right Turn	29.5%	6.5%	1.0%	0.6%
RTOR	43.0%	10.0%	1.0%	0%

Turning movement patterns at the intersection consist of the following:

Within the eight-hour count period, two pedestrians crossed the south approach of Booth Road and two pedestrians crossed the north approach, the Calvary Christian Center driveway. Zero pedestrians crossed SR 40 at the intersection. Pedestrian crossing patterns at the intersection consist of the following:

	Noi Appr			uth roach		ast ·oach	West Approach			
Crossing Direction	E–W	W-E	E–W	W-E	N-S	S-N	N-S	S-N		
Number of Peds	0	2	0	2	0	0	0	0		
Total	2 (5	0%)	2 (5	50%)	0 (0)%)	0 (0%)			

Within the eight-hour count period, one bicyclist was observed at the intersection crossing the north approach from the west to the east. Turning movement, pedestrian, and bicycle counts are provided in the Appendix section of this report.

QUALITATIVE ASSESSMENT

A qualitative assessment based on field observations was performed by a registered engineer on a typical weekday during the a.m. and midday peak periods at the study intersection of SR 40 and Booth Road. The purpose of the qualitative assessment was to evaluate prevailing operating traffic flow conditions and identify areas where improvements would be potentially beneficial to roadway safety and efficiency. Of specific concern as part of this study is the shared north/south signal phase and the possible need for a dual left turn lane from the Calvary Christian Center Driveway.

- 1. Vehicles approaching the intersection on SR 40 were observed moving at or slightly above the 50-mph posted speed limit. A clear view of the intersection is available for both eastbound and westbound traffic.
- 2. Vehicles approaching SR 40 on Booth Road from both directions were slowing due to the signalized intersection at SR 40. A clear view of the intersection is available for both northbound and southbound traffic. There is no posted speed limit on Booth Road.
- 3. Pavement markings at the intersection are in good to fair condition. Crosswalk and lane markings on Booth Road are visible but faded. Likewise, the gore markings between the westbound through traffic and the westbound right turn lane are visible but faded. There is no crosswalk marked across the Calvary Christian Center driveway, as the sidewalk on SR 40 stops east of the driveway.
- 4. The signalized intersection is a diagonal span with a concrete strain pole in the northwest and southeast corners. Six of the eight signal heads are three-section heads with backplates while the remaining two are five-section cluster heads with backplates. The northbound and southbound approaches on Booth Road have two red/yellow/green ball indications. Pedestrian signal heads and detectors are installed and operational for the south leg pedestrian movement. The signal operates under a modified SOP 7 plan. The eastbound and westbound left turns run concurrently, followed by the eastbound and westbound through movements, prior to a shared northbound/southbound phase.
- 5. The pedestrian phase for movements across Booth Road is activated following the protected westbound left turn phase, concurrent with the eastbound/westbound green indications.
- 6. The curb cut ramp installed on the northwest corner of the intersection is not the current FDOT standard design and does not have a detectable warning surface installed.
- 7. A low volume of pedestrians was observed at the intersection during the peak hour reviews. Most pedestrians observed used the pedestrian detectors, however, some crossed in the crosswalk at the first available break in traffic.
- 8. The heaviest side street movement for both the a.m. and midday peak hours was observed to be the southbound left turn, generated by Calvary Christian School drop-off and pick-up. Several motorists were observed running the red light to complete their left turn during the a.m. peak hour.
- 9. The longest queue observed in the southbound left turn lane was 17 vehicles. The southbound left turn queue could clear within one cycle when approximately 14

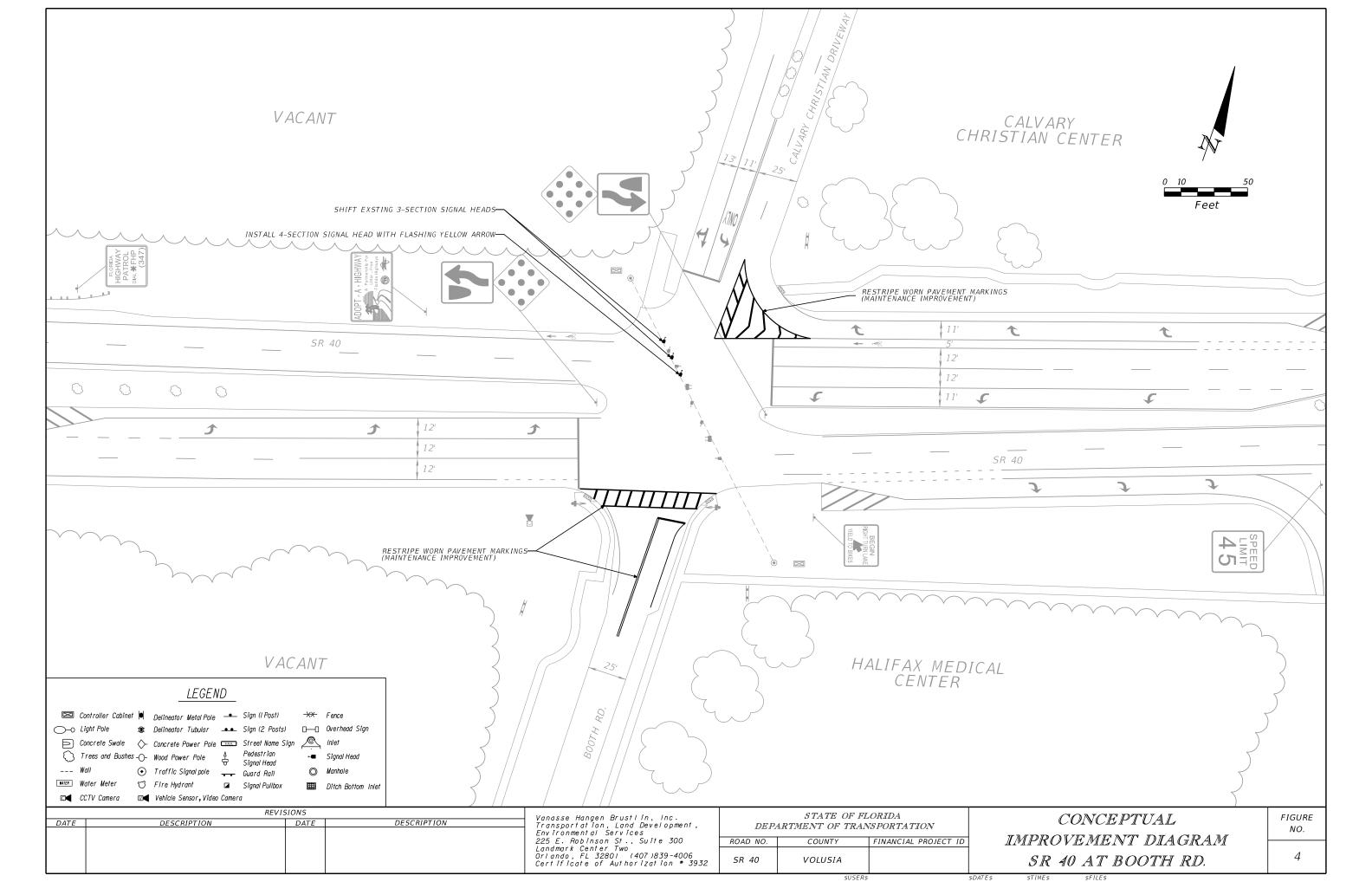
vehicles were waiting. Beyond that, the queue spilled into a second cycle. During the school's a.m. and p.m. peak hour periods with high exiting traffic, the northbound/southbound phase was observed maxing out on several occasions. One left turn was observed from the southbound right turn lane. A sign is posted in the Calvary Christian Driveway stating that "Left turns from the right lane are prohibited Monday – Saturday."

- 10. When northbound right-turning motorists were queued opposite southbound left-turning motorists, the northbound traffic generally waited for the southbound queue to clear before beginning their turn. Southbound motorists were observed turning into both the inside and outside eastbound lane on SR 40. The longest northbound queue observed was three vehicles.
- 11. The maximum queue observed in the westbound left turn lane was five vehicles, while a maximum of one vehicle was observed in the eastbound left turn lane. During the midday peak hour, gaps were available throughout the SR 40 green cycle for westbound left turns to complete their movement.
- 12. The maximum southbound hourly left turn volume recorded during the eighthour data collection 173 vehicles, which is less than the FDOT Design Manual Section 232.2 threshold of 300 vph for consideration of a second left turn lane.

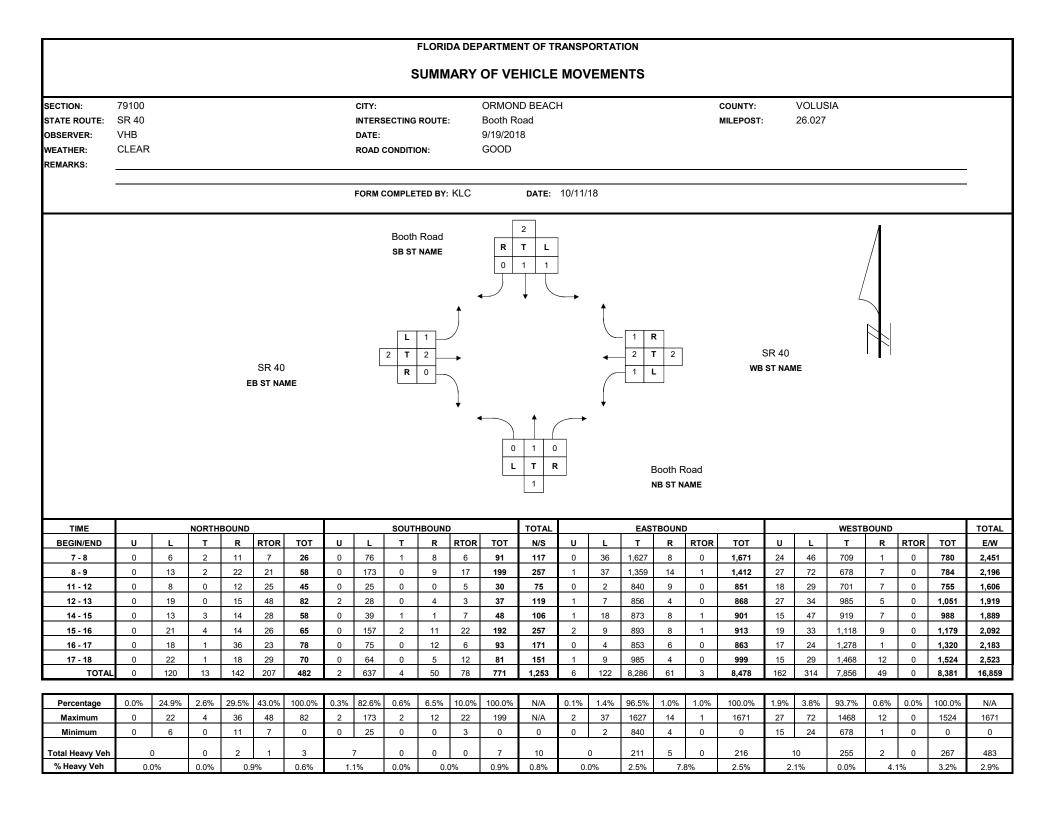
RECOMMENDATIONS

Based on observations of traffic flow patterns and demand, pedestrian and vehicle traffic counts, crash records, qualitative assessment of the intersection operation, and consideration of potential improvement options, this study recommends the following:

- Introduce a southbound leading left turn phase into the SOP for the intersection and optimize the signal timing to accommodate the revised SOP. This change will require that the existing three-section R/Y/G ball indications be shifted on the span wire and that a four-section head with FYA be added for the left turn lane. A structural analysis is required to ensure that the existing span wire can accommodate the added load.
- Restripe worn pavement markings at the intersection (maintenance improvement).



Appendix



VEHICLE TURNING MOVEMENT COUNT

SECTION:	79100
STATE ROUTE:	SR 40
OBSERVER:	VHB
WEATHER:	CLEAR
NORTH APPROACH:	Booth Road
SOUTH APPROACH:	Booth Road

CITY:
INTERSECTING ROUTE:
DATE OF COUNT:
ROAD CONDITION:
EAST APPROACH:
WEST APPROACH:
COUNT PERIODS:

ORMOND BEACH COUNTY: Booth Road MILEPOST: Wednesday, September 19, 2018 GOOD SR 40 7:00 AM - 9:00 AM, 11:00 AM - 1:00 PM, 2:00 PM - 6:00 PM VOLUSIA

26.027

ALL VEHICLES / ALL MOVEMENTS

START						SOUTHBOUND								EASTB	OUND					WEST	BOUND			c	GRAND
TIME	U-TURN	LEFT	THRU RIGHT	RTOR	TOTAL	U-TURN	LEFT THRU	RIGHT	RTOR	TOTAL	NS TOTAL	U-TURN	LEFT	THRU	RIGHT	RTOR	TOTAL	U-TURN	LEFT	THRU	RIGHT	RTOR	TOTAL	EW TOTAL	TOTAL
7:00	0	0	0 2	2	4	0	4	1 0	2	7	11	0	0	318	0	0	318	6	7	122	0	0	135	453	464
7:15	0	3	0 2	3	8	0	17	0 1	0	18	26	0	5	400	3	0	408	6	8	183	0	0	197	605	631
7:30	0	3	2 3	2	10	0	20	0 1	2	23	33	0	13	473	2	0	488	6	10	206	0	0	222	710	743
7:45	0	0	0 4	0	4	0	35	0 6	2	43	47	0	18	436	3	0	457	6	21	198	1	0	226	683	730
Total	0	6	2 11	7	26	0	76	1 8	6	91	117	0	36	1,627	8	0	1,671	24	46	709	1	0	780	2,451	2,568
8:00	0	2	2 6	2	12	0	79	0 5	5	89	101	0	17	366	4	1	388	9	21	179	1	0	210	598	699
8:15	0	6	0 6	7	19	0	51	0 1	5	57	76	0	13	392	4	0	409	8	18	168	3	0	197	606	682
8:30	0	3	0 0	8	11	0	35	0 3	7	45	56	0	5	321	3	0	329	6	14	146	2	0	168	497	553
8:45	0	2	0 10	4	16	0	8	0 0	0	8	24	1	2	280	3	0	286	4	19	185	1	0	209	495	519
Total	0	13	2 22	21	58	0	173	0 9	17	199	257	1	37	1,359	14	1	1,412	27	72	678	7	0	784	2,196	2,453
11:00	0	3	0 1	6	10	0	3	0 0	2	5	15	0	1	216	3	0	220	0	9	144	1	0	154	374	389
11:15	0	2	0 1	6	9	0	6	0 0	1	7	16	0	1	206	2	0	209	3	4	166	1	0	174	383	399
11:30	0	1	0 5	7	13	0	7	0 0	1	8	21	0	0	201	2	0	203	8	10	199	3	0	220	423	444
11:45	0	2	0 5	6	13	0	9	0 0	1	10	23	0	0	217	2	0	219	7	6	192	2	0	207	426	449
Total	0	8	0 12	25	45	0	25	0 0	5	30	75	0	2	840	9	0	851	18	29	701	7	0	755	1,606	1,681
12:00	0	5	0 5	17	27	0	6	0 2	0	8	35	0	2	205	0	0	207	5	10	250	1	0	266	473	508
12:15	0	3	0 7	11	21	0	2	0 1	1	4	25	0	3	214	1	0	218	12	5	265	2	0	284	502	527
12:30	0	6	0 3	10	19	1	16	0 1	2	20	39	0	2	218	1	0	221	3	8	260	1	0	272	493	532
12:45	0	5	0 0	10	15	1	4	0 0	0	5	20	1	0	219	2	0	222	7	11	210	1	0	229	451	471
Total	0	19	0 15	48	82	2	28	0 4	3	37	119	1	7	856	4	0	868	27	34	985	5	0	1,051	1,919	2,038
14:00	0	4	3 2	5	14	0	6	1 0	0	7	21	0	3	201	2	0	206	6	9	217	2	0	234	440	461
14:15	0	1	0 0	4	5	0	12	0 0	3	15	20	0	6	212	2	1	221	3	11	223	3	0	240	461	481
14:30	0	7	0 11	9	27	0	13	0 1	2	16	43	0	5	242	2	0	249	4	14	223	0	0	241	490	533
14:45	0	1	0 1	10	12	0	8	0 0	2	10	22	1	4	218	2	0	225	2	13	256	2	0	273	498	520
Total	0	13	3 14	28	58	0	39	1 1	7	48	106	1	18	873	8	1	901	15	47	919	7	0	988	1,889	1,995
15:00	0	4	1 3	5	13	0	71	0 4	9	84	97	1	3	227	2	1	234	10	9	277	3	0	299	533	630
15:15	0	5	1 5	7	18	0	60	2 5	5	72	90	0	2	213	2	0	217	0	9	262	2	0	273	490	580
15:30	0	6	1 4	10	21	0	16	0 1	3	20	41	0	2	236	3	0	241	4	7	286	1	0	298	539	580
15:45	0	6	1 2	4	13	0	10	0 1	5	16	29	1	2	217	1	0	221	5	8	293	3	0	309	530	559
Total	0	21	4 14	26	65	0	157	2 11	22	192	257	2	9	893	8	1	913	19	33	1,118	9	0	1,179	2,092	2,349
16:00	0	4	1 9	7	21	0	19	0 3	0	22	43	0	0	196	1	0	197	3	9	283	1	0	296	493	536
16:15	0	6	0 5	4	15	0	19	0 1	1	21	36	0	1	199	2	0	202	5	6	312	0	0	323	525	561
16:30	0	5	0 7	6	18	0	24	0 4	2	30	48	0	2	235	1	0	238	7	4	331	0	0	342	580	628
16:45	0	3	0 15	6	24	0	13	0 4	3	20	44	0	1	223	2	0	226	2	5	352	0	0	359	585	629
Total	0	18	1 36	23	78	0	75	0 12	6	93	171	0	4	853	6	0	863	17	24	1,278	1	0	1,320	2,183	2,354
17:00	0	5	0 5	13	23	0	23	0 4	4	31	54	1	2	262	2	0	267	2	11	370	3	0	386	653	707
17:15	0	7	0 6	5	18	0	20	0 1	4	25	43	0	3	251	0	0	254	5	8	378	2	0	393	647	690
17:30	0	3	0 4	9	16	0	8	0 0	0	8	24	0	1	240	1	0	242	6	6	389	3	0	404	646	670
17:45	0	7	1 3	2	13	0	13	0 0	4	17	30	0	3	232	1	0	236	2	4	331	4	0	341	577	607
Total	0	22	1 18	29	70	0	64	0 5	12	81	151	1	9	985	4	0	999	15	29	1,468	12	0	1,524	2,523	2,674

VEHICLE TURNING MOVEMENT COUNT

SECTION:	79100	CITY:	ORMOND BEACH	COUNTY:	VOLUSIA
STATE ROUTE:	SR 40	INTERSECTING ROUTE:	Booth Road	MILEPOST:	26.027
OBSERVER:	VHB	DATE OF COUNT:	Wednesday, September 19, 2018		
WEATHER:	CLEAR	ROAD CONDITION:	GOOD		
NORTH APPROACH:	Booth Road	EAST APPROACH:	SR 40		
SOUTH APPROACH:	Booth Road	WEST APPROACH:	SR 40		
		COUNT PERIODS:	7:00 AM - 9:00 AM, 11:00 AM - 1:00 PM, 2	2:00 PM - 6:00 PM	Л

HEAVY VEHICLES (TRUCKS + BUSES)

START		N	ORTHBOU	ND			so	OUTHBOU	ND				E	ASTBOUN	ID			w	ESTBOUI	ND		GRAND	
TIME	LEFT	THRU	RIGHT	RTOR	TOTAL	LEFT	THRU	RIGHT	RTOR	TOTAL	NS TOTAL	LEFT	THRU	RIGHT	RTOR	TOTAL	LEFT	THRU	RIGHT	RTOR	TOTAL	EW TOTAL	TOTAL
7:00	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	0	7	C	0 0	7	11	11
7:15	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	0	9	0	0 0	9	17	17
7:30	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	0	18	0	0 0	18	25	25
7:45	0	0	1	0	1	1	0	0	0	1	2	0	14	0	0	14	0	8	0	0 0	8	22	24
Total	0	0	1	0	1	1	0	0	0	1	2	0	33	0	0	33	0	42	0	0 0	42	75	77
8:00	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	0	13	0	0 0	13	19	19
8:15	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	10	0	11	0	0 0	11	21	21
8:30	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	9	0	13	0	0 0	13	22	22
8:45	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	10	0	0 0	10	13	13
Total	0	0	0	0	0	0	0	0	0	0	0	0	28	0	0	28	0	47	0	0 0	47	75	75
11:00	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	0	8	0	0 0	8	16	16
11:15	0	0	0	0	0	1	0	0	0	1	1	0	14	1	0	15	0	5	0	0 0	5	20	21
11:30	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	0	9	0	0 0	9	16	16
11:45	0	0	0	0	0	0	0	0	0	0	0	0	9	1	0	10	0	7	0	0 0	7	17	17
Total	0	0	0	0	0	1	0	0	0	1	1	0	38	2	0	40	0	29	0	0 0	29	69	70
12:00	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	0	10	0	0 0	10	15	15
12:15	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	12	0	0 0	12	14	14
12:30	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	1	12	0	0 0	13	21	21
12:45	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	0	17	0	0 0	17	22	22
Total	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	20	1	51	0	0 0	52	72	72
14:00	0	0	0	1	1	0	0	0	0	0	1	0	6	1	0	7	0	6	0	0 0	6	13	14
14:15	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	12	0	13	0	0 0	13	25	25
14:30	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	7	0	0 0	7	10	10
14:45	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	14	0	9	1	0	10	24	24
Total	0	0	0	1	1	0	0	0	0	0	1	0	35	1	0	36	0	35	1	0	36	72	73
15:00	0	0	0	0	0	2	0	0	0	2	2	0	8	0	0	8	0	8	1	0	9	17	19
15:15	0	0	0	0	0	2	0	0	0	2	2	0	8	1	0	9	0	6	0	0 0	6	15	17
15:30	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	0	9	0	0 0	9	15	15
15:45	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8	0	7	0	, v	7	15	15
Total	0	0	0	0	0	4	0	0	0	4	4	0	30	1	0	31	0	30	1	0	31	62	66
16:00	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	4	0	0 0	4	7	7
16:15	0	0	0	0	0	1	0	0	0	1	1	0	4	0	0	4	1	1	0	0 0	2	6	7
16:30	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	0	2	0	0 0	2	6	6
16:45	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	v	0	2	0	, v	2	5	5
Total	0	0	0	0	0	1	0	0	0	1	1	0	14	0	0	14	1	9	0	0 0	10	24	25
17:00	0	0	1	0	1	0	0	0	0	0	1	0	7	1	0	Ŭ	0	4	0	, v	4	12	13
17:15	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	4	0	0 0	4	7	7
17:30	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	2	0	0 0	2	5	5
17:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	, v	2	2	2
Total	0	0	1	0	1	0	0	0	0	0	1	0	13	1	0	14	0	12	0	0 0	12	26	27

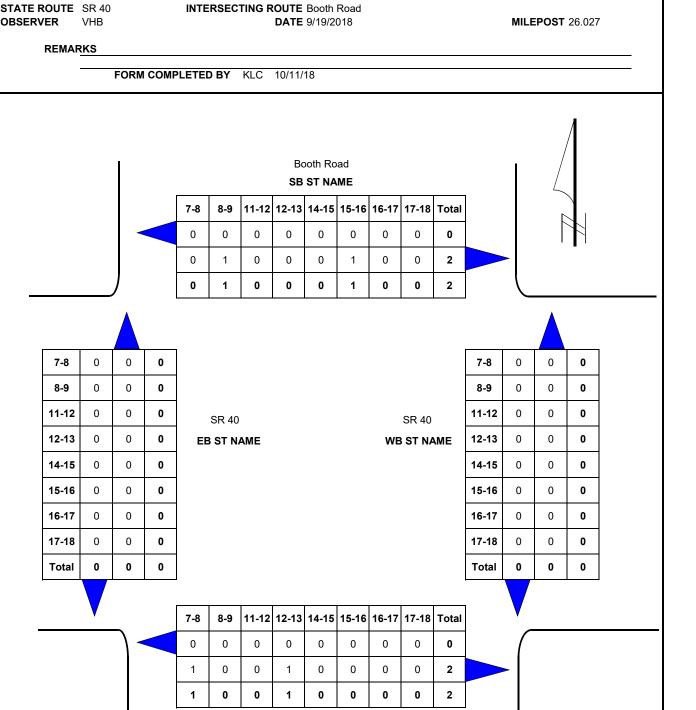
FLORIDA DEPARTMENT OF TRANSPORTATION

PEDESTRIAN MOVEMENT SUMMARY

79100 SECTION STATE ROUTE SR 40 OBSERVER VHB

CITY ORMOND BEACH DATE 9/19/2018

COUNTY VOLUSIA



Booth Road NB ST NAME

FLORIDA DEPARTMENT OF TRANSPORTATION

BICYCLE MOVEMENT SUMMARY

SECTION79100STATE ROUTESR 40OBSERVERVHB

CITY ORMOND BEACH INTERSECTING ROUTE Booth Road DATE 9/19/2018 COUNTY VOLUSIA

MILEPOST 26.027

