



Interoffice Memorandum

APPROVED BY ORANGE
COUNTY BOARD OF COUNTY
COMMISSIONERS

BCC Mtg. Date: Jun. 28, 2016

May 24, 2016

TO: Mayor Teresa Jacobs
and Board of County Commissioners

FROM: Mark V. Massaro, P. E., Director, Public Works Department

CONTACT PERSON: **Ruby Dempsey Rozier, Manager**
Traffic Engineering Division

PHONE NUMBER: **(407) 836-7890**

SUBJ: **Prohibit Specific FHWA Vehicle Classifications from using Starry Road,
Dallas Boulevard, Bancroft Boulevard, and Maxim Parkway in Wedgefield
Community**

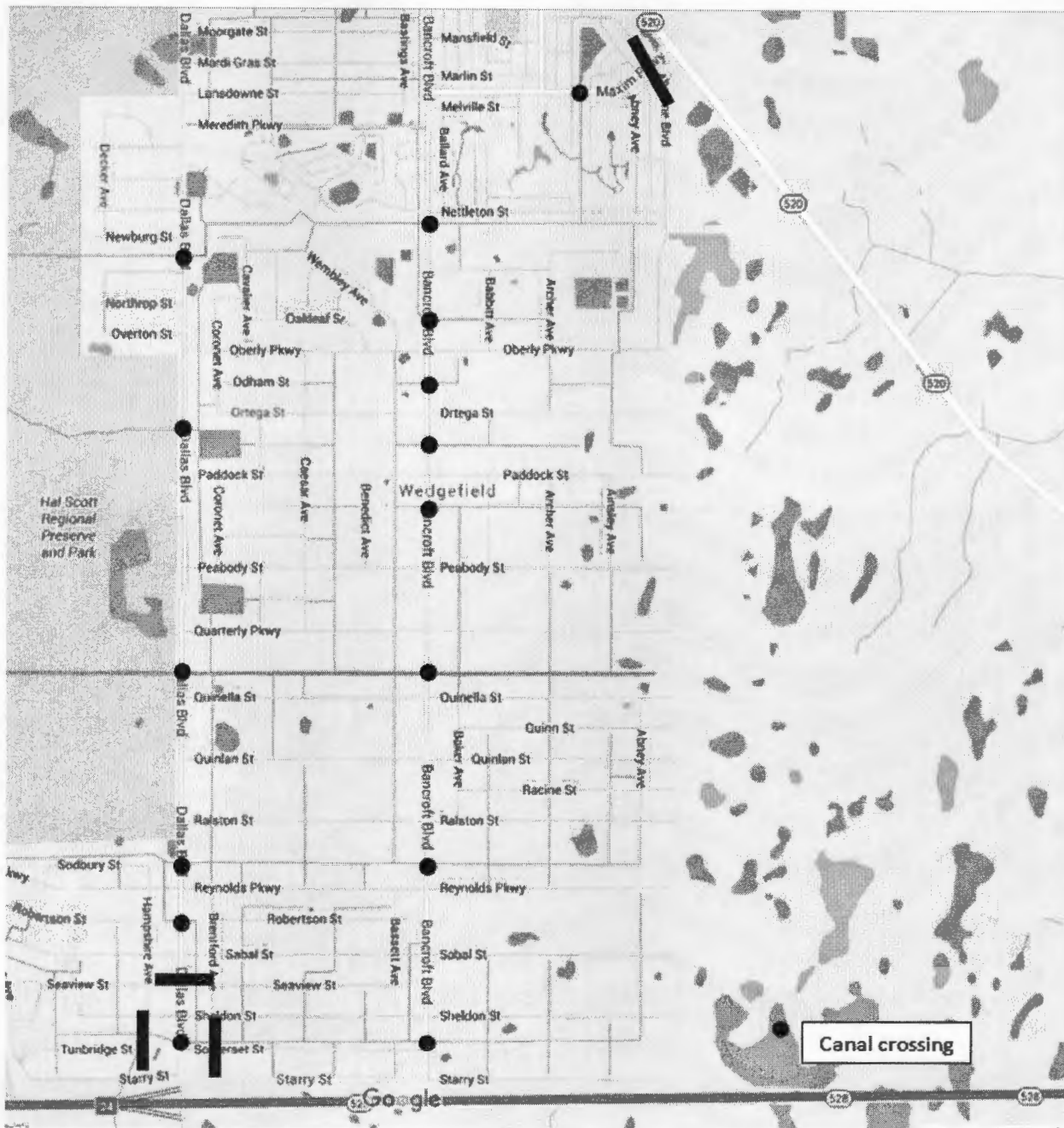
Wedgefield Community in east Orange County is a growing populated area with a "City" section, a gated community known as the "Reserve" and a developing number of settled large lots known as the "Estates." The community has struggled for years with a large number of heavy trucks exiting the Beachline Freeway at Dallas Boulevard, cutting through the "Estates" and the "City," ignoring approved speed limits and weight limit restrictions to access SR 520. Over the past 30 years, Orange County has worked with the community to improve traffic related concerns. Community representatives recently reached out to the County to review roadway conditions, signs, pavement markings and regulatory traffic control devices in preparation for the new K-8 Orange County public school scheduled to open in August 2016.

The self-contained storm water management systems in Wedgefield are controlled by Ranger Drainage District (RDD). Back in the early 1970's, RDD constructed a series of canals and secondary easements to provide proper storm water drainage for the properties located within the District. In the 1990's, RDD was afraid that the pipelines under Bancroft Boulevard, Dallas Boulevard and Starry Road might collapse because of truck traffic. Orange County approved a number of 3-Ton weight limit restrictions to decrease the likelihood of pipe failure.

As the storm water system has been repaired or replaced over the years, the 3-Ton weight limits are no longer needed. However, the canal systems are not designed for daily heavy truck usage. In accordance with Section 316.555, Florida Statutes, Public Works is recommending that the existing 3-Ton weight limits in Wedgefield be replaced, and the roads be posted to prohibit certain specific class vehicles per Federal Highway Administrative Vehicle Classifications (FHWA) 6, 7, 8, 9, 10, 11, 12 and 13. This classification ranges from Single Unit 3-Axle Trucks through Multi-Trailer 7 or More- Axle Trucks.

Action Requested: Approval to prohibit specific FHWA Vehicle Classifications 6, 7, 8, 9, 10, 11, 12 and 13 from using Starry Road, Dallas Boulevard, Bancroft Boulevard, and Maxim Parkway and to post all appropriate signage. District 5

Wedgefield Community Canal Crossing Impact Areas




Canal crossing

Weight Limit Sign



Wedgefield Community Consent Agenda Location Map



 "Classification Restriction" signs
District 5: Commissioner Ted B. Edwards



Wedgefield Community Consent Agenda District Map



District 5: Commissioner Ted B. Edwards

2016 Dallas BV Vehicle Classification Counts

	Date	Northbound		Southbound		Total		% Trucks	FHWA VEHICLE CLASSIFICATION									
		ADT	# Trucks	ADT	# Trucks	ADT	Trucks		6	7	8	9	10	11	12	13	Total	
Dallas BV north of Starry Street	2/23 - 2/25	1,660	102	2,036	72	3,696	174	4.7	0.05	16	2	7	9	1	2	2	0	39
Dallas BV south of Starry Street	2/23 - 2/25	2,252	95	2,632	102	4,884	197	4.03	0.04	62	8	12	20	6	3	3	5	119
Starry Street east of Dallas BV	2/23 - 2/25	582	96	534	41	1,116	137	12.3	0.12	34	1	2	6	2	1	1	0	47
Starry Street west of Dallas BV	2/23 - 2/25	136	15	134	12	270	27	10	0.10	10	1	2	3	1	1	1	0	19
Dallas BV between SR-528 w entry & SR-528 e exit	2/23 - 2/25	2,448	89	32	4	2,480	93	3.8	0.04	29	1	8	2	4	1	1	1	47

adt = average daily traffic

February 2016						
Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	1	2	3	4	