

winter park



community
redevelopment
agency

agenda

August 14, 2017 at 1:30 pm

City Hall Commission Chambers
401 Park Avenue South · Winter Park, Florida

CRA board

1 Work session items

- a. Introduction
 - Review Agency direction to Staff from February 2017
 - Review of current/proposed budget for FY 17/18 – less capital improvements
 - Identify capital improvements for funding
- b. US Hwy. 17-92 PD&E
 - Update on progress/cost
 - Integration of existing Webster and Fairbanks improvements
 - Timing
- c. New York Avenue
 - Plan review – added benefits
 - Options
- d. MLK Park Improvements
 - Plan Review by GAI
- e. Parking Strategies/Capital Improvements
 - Parking strategies
 - Parking garages/deck options
- f. Next Steps

appeals & assistance

"If a person decides to appeal any decision made by the Commission with respect to any matter considered at such meeting or hearing, he/she will need a record of the proceedings, and that, for such purpose, he/she may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based." (F. S. 286.0105).

"Persons with disabilities needing assistance to participate in any of these proceedings should contact the City Clerk's Office (407-599-3277) at least 48 hours in advance of the meeting."

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agenda item

meeting date August 14, 2017	approved by <input type="checkbox"/> City Manager <input type="checkbox"/> City Attorney <input type="checkbox"/> N A <input type="checkbox"/> Advisory Board
item type <input type="checkbox"/> Administrative <input type="checkbox"/> Action <input checked="" type="checkbox"/> Information	final vote

CRA board

Subject

CRA Strategic Planning and Budget Worksheet

motion | recommendation

N/A

Background

Introduction:

Budget Review:

A review of the FY17-18 budget is provided as a 'first look' for comments and questions prior to the scheduled CRA Agency meeting on September 11th. Below is a highlighted version of the FY17-18 proposed budget. It incorporates new funding for programming and projects that have a direct investment in the community:

Budget Highlights:

<i>Project Funding</i>	
QTI – Holiday Retirement	\$109,900
CRA Enhancements Fund	\$100,000
Small Scale CRA Projects Fund	\$40,000
<i>Program Funding</i>	
Business Façade Improvement Program	\$40,000
Driveway Renovation Program	\$24,000
Summer Youth Employment Program	\$20,000
Residential Paint Program	\$10,000
<i>Event Funding</i>	
Heritage Center Operations	\$40,000
Community Center Programs	\$40,000
Winter Park Playhouse	\$40,000 <i>(request)</i>
Welbourne Nursery Program	\$25,000
Promotional Activities	\$10,000
Popcorn Flicks	\$6,000
<i>Total:</i>	<i>\$544,900</i>

Budget highlights indicate over \$500,000 of new investment by the CRA to the district in project and program funding. Included for discussion is the CRA Enhancements Fund, full commitment by the CRA for its new Qualified Target Industry Holiday Retirement, a request from the Winter Park Playhouse to increase support in the amount of \$40,000, and an absorption of partnered events such as the Winter on the Avenue and the Saint Patrick’s Day Parade into the Promotional Activities line item. Staff received an Agency member request for estimated actual values for FY17-18 to better assess unallocated revenues for FY17-18 moving forward. This information is included as part of the packet, but note that these are subject to change before the end of the fiscal year. A full copy of the budget is provided in **Attachment 1A**.

Capital Improvements for Funding:

Beginning in February 2017, CRA Board direction was to provide information on a number of projects in consideration of scheduling out the final nine years of the CRA. Since that time, staff has reviewed these items in conjunction with other city staff, advisory boards, and private sector consultants. The resulting table (**Attachment 1B**) provides a line item list of each project, its location, cost, notes and discussion points intending to clarify the scope, previous discussions by the board, and its overall impact.

Currently, the CRA is projected to accrue approximately \$26.4 million over the remaining term of its life. This includes projects scheduled in the 2015 CIP including New York Phase II, Orlando and Fairbanks Avenue intersection improvements (Fairbanks), and Orlando and Webster intersection improvements (Webster). During FY17-18, the budget considers the second phase of New York Avenue valued at \$1,000,000. It also considers the funding of Fairbanks through FY19-20 and Webster in FY20-21. Should the Agency wish to consider a reallocation of this funding, including the remaining dollars of New York Avenue Phase I, a subsequent pro forma has also been included as backup. Both items are identified as **Attachment 1C**. Both pro formas consider the same estimated actuals general operating and programming costs as the budget for comparison purposes and discussion during this workshop.

US Hwy 17-92 PD&E:

Execution of Lee Road extension, approval of the mixed-use path on Denning Drive, as well as its location on MetroPlan's long range capital projects list triggered an assessment of the 2002 Project Development and Environment study (PD&E). Upon review, the Florida Department of Transportation (FDOT) proposed improvements which include the proposed intersection improvements included in the 2015 CRA Capital Improvement Plan. These concepts, provided by GAI, include improvements to Orlando Avenue at the intersections of Fairbanks, Morse, and Webster. Morse Boulevard improvements were approved as part of the FY15-16 budget in concert with the Lakeside Crossings development. This totaled at \$350,000 plus an additional \$89,500 provided by the developer. This, in addition to the Fairbanks (\$1.28M) and Webster (717K) improvements scheduled in future years of the 2015 CIP may be used as a cost-share to the total cost of the project. In essence, the approximate \$2.4M could be used as a partial local match. What makes this relevant is the timing of this project as the financial commitment by the City/CRA could accelerate its groundbreaking should it be a priority to the board. A cost share is provided on page 71 of this document.

The concepts, costs, and scope by GAI and FDOT are included as backup **Attachment 2A**.

New York Avenue:

Phase I funding was committed as part of the FY16-17 budget at \$762,183. From there, staff was directed to engineer design plans for the project not to exceed \$150,000. Total cost of design was committed to at \$147,760 yielding a difference of \$614,423. Phase II of this project was slated for the FY17-18 budget at \$1,000,000. Though design an estimate of probable cost was developed by both the city and GAI. These estimates include Agency direction to extend the original scope from Morse Boulevard to Canton Avenue. Costs were valued at roughly \$1.8 million and \$2.1 million respectively.

Should it be the desire of the Agency, Staff is providing an alternative option for consideration by the board. This version of the project uses the remaining funding for New York Avenue (\$612K) already included in last year's budget and uses the funding to address major improvements of the road based on the concept including crosswalks, New York intersection improvements at Fairbanks and Morse and a lower cost alternative to providing additional on-street parking.

A 30% design of the original improvement concept, parking addition methodology, costs, and scope by Public Works and GAI are included as backup **Attachment 2B**.

Martin Luther King Jr. (MLK) Park Improvements:

The CRA Plan calls out highlighting MLK (Lake Island) Park as one of its improvement areas. In conjunction with the installation of the new library at the Civic Center site, a proposal was solicited and generated by GAI Consultants for improvements to MLK Park. The proposal is included as backup and considers new features including turf fields, landscaping, hardscape improvements, and other amenities.

The concepts and cost are provided as backup **Attachment 2C**.

Parking Strategies/Capital Improvements:

Staff was additionally directed to identify additional opportunities to manage parking supply in the downtown area. As part of that direction, staff has engaged with a transportation consultant, Kimley-Horn, to assess existing conditions and provide a 'suite of options' as part of an overall parking strategic plan.

In parallel, this directive also included an evaluation of potential locations for additional capacity to be reviewed by the Agency. Staff engaged with private consultants on the cost of potential parking decks and garages. These estimates did make some assumptions on costs, quality of material, and movement of utilities. The characteristics of these cost estimates are a first blush at a caste in place methodology which provide for lower operations and maintenance costs in future years. Further analysis and design would need to be considered for a more accurate valuation.

Next Steps:

Information regarding other project backgrounds not listed in the cover sheet are provided in the strategic planning table (attachment 1A). The Agency may direct staff to provide new material on additional projects, or find subsequent information on existing identified ones.

fiscal impact

Financial implications to the FY17-18 budget and beyond are included as backup and are pending Agency direction.

winter park



ATTACHMENT 1A
FY17-18 BUDGET PROPOSAL

community
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CRA FY2017-18 Budget Forecast

Account Name	Request	Mid year	Est. Actual	Actual	Actual
	2018	2017	2017	2016	2015
	Request	Mid year	Est. Actual	Actual	Actual
	2018	2017	2017	2016	2015
Staffing Costs					
Salaries and Employee Related Costs	319,830	181,013	301,113	280,164	178,769
Contractual Services	150,000	28,991	150,000	40,826	96,280
Indirect Costs	57,550	21,306	42,611	53,323	45,905
Totals	527,380	231,310	493,724	374,312.27	320,954.00
Rate of Change	6.8%	149.2%	31.9%	16.6%	-9.5%
Revenues					
TIF Revenue	4,322,099		3,798,143	2,986,272	2,391,268
Investment Revenue	35,000		40,000	42,467	63,100
Misc Revenue	230,000		177,851	187,334	260,177
Total Revenues	4,587,099		4,015,994	3,216,073	2,714,545.00
Rate of Change	14.2%		24.9%	18.5%	10.6%
Expenditures					
Operational Costs	612,945	263,329	566,071	440,010	391,633
Community Initiative	186,000	120,324	168,959	131,825	90,500
Capital Maintenance	90,000	63,339	90,000	75,331	119,159
Total Expenditures	888,945	446,992	825,030	647,166.87	601,292.00
Rate of Change (Actual)	7.7%		27.5%	7.6%	3.5%
Debt Service					
Debt Service (Principal)	1,160,000		1,120,000	1,085,000	1,055,000.00
Debt Service (Interest)	336,648		373,552	409,053	443,378.00
Debt Service Totals	1,496,648		1,493,552	1,494,053	1,498,378.00
Net Operating Gain/Loss (funding available for projects)	2,201,506.00		1,697,412.00	1,074,853.20	614,875.00
Rate of Change			57.9%	74.8%	58.7%
Capital Outlay					

CRA FY2017-18 Budget Forecast

Account Name	Request	Mid year	Est. Actual	Actual	Actual
	2018	2017	2017	2016	2015
Projects	1,548,900		3,449,493	1,405,963	401,090
Other Financing Sources					
Issuance of Debt					-
Change in Fund Balance	652,606.00		(1,752,080.78)	(331,110.24)	213,785.00
Beginning Fund Balance	5,980		1,758,060	2,089,171	1,875,385.68
Ending Fund Balance	658,586		5,980	1,758,060	2,089,170.68

CRA FY2017-18 Budget Forecast

Account Number	Account Name	Request	Mid year	Est. Actual	Actual	Actual
		2018	2017	2017	2016	2015
104-0000-104.00-00	BANK OF AMERICA / EQUITY IN POOLED CASH					
104-0000-104.02-00	EQUITY IN POOLED CASH / MARKET VAL OF INVESTMENTS					
104-0000-115.10-00	ACCOUNTS RECEIVABLE / OTHER - MISC REC					
104-0000-115.10-05	OTHER - MISC REC / MR-DOUBTFUL ACCOUNTS					
104-0000-115.10-30	OTHER - MISC REC / ACCRUED INTEREST					
104-0000-115.30-10	CRA / NOTES REC - COWHERD					
104-0000-133.00-00	ASSET / DUE FROM OTHER GOVERNMENT					
104-0000-151.50-48	OPERATING PORTFOLIO / COMMUNITY CENTER BOND					
104-0000-172.00-00	REVENUE / REVENUE					
104-0000-201.00-00	LIABILITY / VOUCHERS PAYABLE					
104-0000-201.02-00	VOUCHERS PAYABLE / P-CARD PAYABLE					
104-0000-201.04-00	VOUCHERS PAYABLE / CITY WATER BILL PAYABLE					
104-0000-216.01-00	ACCRUED PAYROLL / PAYROLL LIABILITY					
104-0000-218.01-36	PAYROLL DEDUCTIONS / Unum Life Insurances					
104-0000-223.00-00	LIABILITIES / DEFERRED REVENUE					
104-0000-236.01-00	ADVANCE FROM GENERAL FUND / ADVANCE FROM GENERAL FU					
104-0000-242.00-00	LIABILITY / EXPENDITURES					
104-0000-243.00-00	LIABILITY / ENCUMBRANCES					
104-0000-245.00-00	LIABILITY / RESERVE FOR ENCUMBRANCES					
104-0000-271.00-00	RETAINED EARNINGS / FUND BALANCE					
104-0000-311.10-00	AD VALOREM TAXES / CURRENT AD VALOREM TAXES					1,147,624
104-0000-381.01-00	AD VALOREM TAXES / CURRENT AD VALOREM TAXES	2,125,167	1,822,284	1,822,815	1,435,305	
104-0000-311.10-05	CURRENT AD VALOREM TAXES / FROM COUNTY FOR CRA					1,243,644
104-0000-338.50-01	CURRENT AD VALOREM TAXES / FROM COUNTY FOR CRA	2,196,932	1,961,209	1,975,328	1,550,967	
104-0000-331.49-10	OTHER TRANSPORTATION / FDOT PASS THRU PROJECTS					
104-0000-331.90-01	OTHER FEDERAL GRANTS / CDBG HOUSING REHAB					
104-0000-344.10-00	TRANSPORTATION / TROLLEY FARES					
104-0000-344.50-01	PARKING FACILITIES / CBD EMPLOYEE PARKING PROG					
	Winter in the Park Total Revenues	200,000		147,851		210,177
104-0000-347.41-01	WINTER IN PARK - ICE RINK / GENERAL ADMISSION		147,851		154,102	158,276
104-0000-347.41-02	WINTER IN PARK - ICE RINK / GROUP ADMISSION (10-19)					8,071
104-0000-347.41-03	WINTER IN PARK - ICE RINK / GROUP ADMISSION (20+)					
104-0000-347.41-04	WINTER IN PARK - ICE RINK / CONCESSIONS		1,667		4,382	6,108
104-0000-347.41-05	WINTER IN PARK - ICE RINK / ICE RINK SPONSORSHIPS		9,400		(1,150)	37,722
104-0000-347.41-06	WINTER IN PARK - ICE RINK / VENDOR CONCESSIONS					
104-0000-347.41-07	WINTER IN PARK - ICE RINK / PARTIES					
104-0000-361.10-10	INTEREST / CHECKING AND SAVINGS				(1,168)	(1,332)
104-0000-361.10-13	INTEREST / INVESTMENT PORTFOLIO	35,000		40,000	43,635	64,432
104-0000-361.10-16	INTEREST / BANKFIRST SRB ACCOUNT					
104-0000-361.10-17	INTEREST / CITIZENS BANK CD ACCOUNT					

CRA FY2017-18 Budget Forecast

Account Number	Account Name	Request	Mid year	Est. Actual	Actual	Actual
		2018	2017	2017	2016	2015
104-0000-361.20-10	STATE INVESTMENT BOARD / STATE INVESTMENT BOARD					
104-0000-362.80-00	RENT & ROYALTIES / ADVERTISING ON TROLLEY					
104-0000-364.40-19	SALE OF ASSETS / PLANNING					
104-0000-369.90-10	OTHER / OTHER MISC REVENUE	30,000		30,000	30,000	50,000
104-0000-381.01-00	INTERFUND TRANSFER / TRANS FROM GENERAL FUND					
104-0000-381.10-10	INTERFUND TRANSFER / TRANSFER FROM DONATIONS					
104-0000-381.50-80	INTERNAL SERVICE FUND / EMPLOYEE INSURANCE FUND					
104-0000-381.50-90	INTERNAL SERVICE FUND / TRANSFER FROM GEN. INSRN.					
104-0000-382.10-00	FUND BALANCE CARRYFORWARD / FUND BALANCE CARRYFORWA					
104-0000-382.10-11	FUND BALANCE CARRYFORWARD / ENCUMBRANCE ROLLOVER					
104-0000-382.10-12	FUND BALANCE CARRYFORWARD / PROJECT BUDGET ROLLOVER					
104-0000-382.10-40	FUND BALANCE CARRYFORWARD / BOND PROCEEDS					
104-0000-386.10-10	NOTES PAYABLE / DAN BELLOWS - NE STREET L					
104-2306-515.12-10	SALARIES / REGULAR WAGES	236,126	135,231	223,292	200,765	134,784
104-2306-515.13-10	SALARIES / PART TIME/TEMPORARY WAGES					
104-2306-515.14-10	SALARIES / OVERTIME WAGES		367	400	1,743	1,408
104-2306-515.15-40	SPECIAL PAY / LONGEVITY					
104-2306-515.15-60	SPECIAL PAY / MEDICAL ABSENCE SELL BACK					
104-2306-515.21-10	TAX BENEFITS / FICA TAXES	17,063	9,789	16,444	14,907	9,908
104-2306-515.22-10	RETIREMENT BENEFITS / PENSION	16,529	9,492	15,631	14,176	(2,184)
104-2306-515.22-20	RETIREMENT BENEFITS / ICMA CITY CONTRIBUTION	3,238	1,835	3,038	2,612	1,844
104-2306-515.23-10	INSURANCE BENEFITS / GROUP HEALTH INSURANCE	43,000	22,635	40,000	43,834	31,260
104-2306-515.23-11	INSURANCE BENEFITS / LIFE INSURANCE	515	286	486	433	291
104-2306-515.23-12	INSURANCE BENEFITS / AD&D INSURANCE	57	32	54	48	32
104-2306-515.23-13	INSURANCE BENEFITS / DISABILITY INSURANCE	572	317	539	480	323
104-2306-515.24-10	WORKER'S COMPENSATION / WORKER'S COMPENSATION	2,689	1,005	1,188	1,127	1,076
104-2306-515.25-10	UNEMPLOYMENT BENEFIT / UNEMPLOYMENT COMPENSATION	41	24	41	39	27
104-2306-515.31-10	PROFESSIONAL SERVICES / CITY ATTORNEY	20,000	12,805	20,000	18,152	18,333
104-2306-515.31-20	PROFESSIONAL SERVICES / OTHER LEGAL SERVICES				-	
104-2306-515.34-40	CONTRACTUAL SERVICES / CONTRACTUAL SERVICE	150,000	28,991	150,000	40,826	96,280
104-2306-515.34-46	CONTRACTUAL SERVICES / SOCIAL PROGRAMMING					
104-2306-515.34-47	CONTRACTUAL SERVICES / SUMMER YOUTH EMPLOYMENT	20,000	13,321	17,959	9,627	8,999
104-2306-515.34-48	CONTRACTUAL SERVICES / HERITAGE CENTER OPERATION	40,000	40,000	40,000	30,000	30,000
104-2306-515.34-50	CONTRACTUAL SERVICES / CONDUIT-FUTURE PROJECTS					
104-2306-515.34-52	CONTRACTUAL SERVICES / COMMUNITY CENTER PROGRAMS	40,000	10,516	40,000	41,669	38,501
104-2306-515.34-60	CONTRACTUAL SERVICES / INTRACITY CONNECTOR					
104-2306-515.40-10	TRAVEL / TRAVEL & TRAINING	8,000	1,429	6,000	3,955	6,083
104-2306-515.40-20	TRAVEL / CAR ALLOWANCE					
104-2306-515.41-10	COMMUNICATION SERVICES / TELEPHONE - LONG DISTANCE					
104-2306-515.41-15	COMMUNICATION SERVICES / TELEPHONE - EQUIP CHGS	1,153	463	1,036	960	1,450

CRA FY2017-18 Budget Forecast

Account Number	Account Name	Request	Mid year	Est. Actual	Actual	Actual
		2018	2017	2017	2016	2015
104-2306-515.41-16	COMMUNICATIONS SERVICES / AIRCARDS		289		866	857
104-2306-515.41-20	COMMUNICATION SERVICES / CELL PHONES/BEEPERS	2,400	877	2,400	2,494	1,817
104-2306-515.41-30	COMMUNICATION SERVICES / TELEPHONE MAINTENANCE					
104-2306-515.42-10	TRANSPORTATION / POSTAGE & FREIGHT	1,000		1,000	-	
104-2306-515.44-60	RENTALS & LEASES / VEHICLE RENTAL					
104-2306-515.44-62	RENTALS & LEASES / EXCESS VEH. RENTAL ADJUST					
104-2306-515.44-63	COPIER RENTAL	1,000	500	1,000		
104-2306-515.44-70	RENTALS & LEASES / DATA PROCESSING USAGE CHG					
104-2306-515.44-71	RENTALS & LEASES / DATA EQUIPMENT CHARGE					
104-2306-515.45-10	INSURANCE / GENERAL LIABILITY	8,881	4,619	9,237	9,009	9,377
104-2306-515.45-11	INSURANCE / RISK MGMT OPERATIONS	2,151	881	1,761	1,807	1,149
104-2306-515.45-30	INSURANCE / VEHICLE INSURANCE					
104-2306-515.45-40	INSURANCE / OTHER INSURANCE	8,500	4,116	8,231	8,231	8,231
104-2306-515.46-20	REPAIR SERVICES / BUILDING MAINTENANCE					
104-2306-515.46-40	REPAIR SERVICES / EQUIPMENT MAINTENANCE					
104-2306-515.46-50	REPAIR SERVICES / VEHICLE MAINTENANCE					
104-2306-515.46-60	REPAIR SERVICES / FLEET MAINT. OVERHEAD					
104-2306-515.46-65	REPAIR SERVICES / PARKING GARAGE MAINT.	90,000	63,339	90,000	75,331	119,159
104-2306-515.47-10	PRINTING & BINDING / PRINTING & BINDING	4,000	860	4,000	4,416	2,679
104-2306-515.47-20	PRINTING & BINDING / PHOTOGRAPHY					
104-2306-515.47-30	PRINTING & BINDING / COPIER	780	381	482	525	3,634
104-2306-515.48-10	PROMOTIONAL ACTIVITIES / PROMOTIONAL ACTIVITIES	10,000	239	4,000	4,161	9,743
104-2306-515.48-15	PROMOTIONAL ACTIVITIES / UNITY HERITAGE FESTIVAL		3,733		600	
104-2306-515.49-01	OTHER EXPENDITURES / SCHOLARSHIP FUND					
104-2306-515.49-02	OTHER EXPENDITURES / MICRO LOAN PROGRAMS					
104-2306-515.52-10	OPERATING EXPENSES / GENERAL OPERATING SUPPLY	11,500	2,693	7,000	6,868	4,902
104-2306-515.52-20	OPERATING EXPENSES / FUEL					
104-2306-515.52-90	OPERATING EXPENSES / EQUIPMENT UNDER \$5,000	2,500	1,752	2,500	-	360
104-2306-515.54-10	PUBLICATIONS/MEMBERSHIPS / BOOKS & PERIODICALS	200	116	200	35	
104-2306-515.54-20	PUBLICATIONS/MEMBERSHIPS / MEMBERSHIPS	3,500		3,500	4,220	1,010
104-2306-515.64-40	FIXED ASSET PURCHASES / FURNITURE					
104-2306-515.64-50	FIXED ASSET PURCHASES / MACHINERY & EQUIPMENT					1,054
104-2307-515.71-02	DEBT SERVICE / REPAY ADVANCE FROM G/F					
104-2307-582.71-04	PRINCIPAL / CRA LOAN #67					
104-2307-582.71-05	PRINCIPAL / CRA LOAN #83					
104-2307-582.71-06	PRINCIPAL / 2005-1 LOAN					
104-2307-582.71-18	PRINCIPAL / 2005-2 LOAN					
104-2307-582.71-19	PRINCIPAL / 2006 LOAN	125,000	120,000	120,000	115,000	110,000
104-2307-582.71-20	PRINCIPAL / 2007 LOAN					-
104-2307-582.71-20	PRINCIPAL / ORANGE AVE. NOTE, 2007	490,000	465,000	465,000	445,000	430,000
104-2307-582.71-21	PRINCIPAL / COMMUNITY CENTER LOAN	545,000	535,000	535,000	525,000	515,000

CRA FY2017-18 Budget Forecast

Account Number	Account Name	Request	Mid year	Est. Actual	Actual	Actual
		2018	2017	2017	2016	2015
104-2307-582.71-28	CRA NOTE, SERIES 2012					-
104-2307-582.72-04	INTEREST / CRA LOAN #67					-
104-2307-582.72-05	INTEREST / CRA LOAN #83					-
104-2307-582.72-06	INTEREST / 2005-1 LOAN					-
104-2307-582.72-18	INTEREST / 2005-2 LOAN					55,044
104-2307-582.72-19	INTEREST / 2006 LOAN	41,331	46,097	46,097	50,667	-
104-2307-582.72-20	INTEREST / ORANGE AVE. NOTE, 2007	225,120	246,512	246,512	266,896	286,496
104-2307-582.72-21	INTEREST / COMMUNITY CENTER LOAN					
104-2307-582.72-28	CRA NOTE, SERIES 2012	70,197	80,943	80,943	91,490	101,838
104-2308-515.01-01	CRA PROJECTS / EXPAND SHADY PARK					
104-2308-515.01-02	CRA PROJECTS / HOUSING REHAB. ASSISTANCE		7,594	62,659	16,696	27,643
104-2308-515.01-03	CRA PROJECTS / EXTEND ENGLISH ST.-CANTON					
104-2308-515.01-04	CRA PROJECTS / PEDESTRIAN CROSSWALKS					
104-2308-515.01-05	CRA PROJECTS / IMP. FOR CANTON PARK PRPY					
104-2308-515.01-06	CRA PROJECTS / DEMONSTRATION HOUSE					
104-2308-515.01-07	CRA PROJECTS / 17-92 P.D. & E. STUDY					
104-2308-515.01-08	CRA PROJECTS / COMMUNITY CENTER IMPROVM					
104-2308-515.01-09	CRA PROJECTS / CENTL BUS. DIST. PARKING					
104-2308-515.01-10	CRA PROJECTS / HANNIBAL SQ PARK LAND ACQ					
104-2308-515.01-11	CRA PROJECTS / HANNIBAL SQ PG FACILITIES					
104-2308-515.01-12	CRA PROJECTS / TRAFFIC CALMING					
104-2308-515.01-13	CRA PROJECTS / TRAFFIC PLANNING STUDIES					
104-2308-515.01-14	CRA PROJECTS / LEE ROAD ROW ACQUISITION					
104-2308-515.01-15	CRA PROJECTS / WESTSIDE NEIGHBORHOOD SCH					
104-2308-515.01-16	CRA PROJECTS / 17/92 P.D. & E. STUDY					
104-2308-515.01-17	CRA PROJECTS / HERITAGE CENTER FACILITY					

CRA FY2017-18 Budget Forecast

Account Number	Account Name	Request	Mid year	Est. Actual	Actual	Actual
		2018	2017	2017	2016	2015
104-2308-515.01-18	CRA PROJECTS / PENN. AVE. ENHANCEMENTS					
104-2308-515.01-19	CRA PROJECTS / AFFORDABLE RENTAL HOUSING					
104-2308-515.01-20	CRA PROJECTS / COMMUNITY CENTER POOL					
104-2308-515.01-21	CRA PROJECTS / COMM. CENT. STAFF SUPPORT					
104-2308-515.01-22	CRA PROJECTS / MINORITY BUS. FACADE PROG					
104-2308-515.01-23	CRA PROJECTS / STREET ENHANCEMENT PLANS					
104-2308-515.01-24	CRA PROJECTS / BANK OF AMERICA PARKING					
104-2308-515.01-25	CRA PROJECTS / POST OFFICE REDEVELOPMENT					
104-2308-515.01-26	CRA PROJECTS / HERITAGE CENTER FACILITY					
104-2308-515.01-27	CRA PROJECTS / CANTON PK HOUSING-SEED \$					
104-2308-515.01-28	CRA PROJECTS / UNDERGD ELEC.-CANTON & VA					
104-2308-515.01-29	CRA PROJECTS / NEW ENGLAND - STREETScape					
104-2308-515.01-30	CRA PROJECTS / MISC. ENHANCEMENTS/OPP	140,000	20,000	40,000	17,704	
104-2308-515.01-31	CRA PROJECTS / AFFORDABLE SENIOR HOUSING					
104-2308-515.01-35	CRA PROJECTS / DEMO CHAMBER					
104-2308-515.01-36	CRA PROJECTS / 329 N. PARK PLACE PARKING					
104-2308-515.01-37	CRA PROJECTS / ENZIAN THEATER PROJECT					
104-2308-515.01-38	CRA PROJECTS / GARFIELD/PENN. BUS. CENT.					
104-2308-515.01-39	CRA PROJECTS / LK ISLD PERFORMANCE STAGE					
104-2308-515.01-40	CRA PROJECTS / E MORSE BV-STREETScape					
104-2308-515.01-41	CRA PROJECTS / ORANGE AVENUE IMPROVEMENT					
104-2308-515.01-42	CRA PROJECTS / DENNING DR INT. IMPROVE		7,400	1,847,405		
104-2308-515.01-43	CRA PROJECTS / PURCHASE MCCARTHY BLDG.					
104-2308-515.01-44	CRA PROJECTS / WP WELCOME CENTER					
104-2308-515.01-45	CRA PROJECTS / HANNIBAL SQ LAND ACQ					
104-2308-515.01-46	CRA PROJECTS / FAIRBANKS ENHANCEMENT					
104-2308-515.01-47	CRA PROJECTS / COMMUNITY CENTER					
104-2308-515.01-48	CRA PROJECTS / CENTRAL PK-EAST SIDE IMPR					
104-2308-515.01-49	CRA PROJECTS / WEBSTER STREETScape IMP.					
104-2308-515.01-50	CRA PROJECTS / BUSINESS FACADE MATCH PRG	40,000	15,507	97,477	21,200	
104-2308-515.01-51	CRA PROJECTS / CIVIC VENUES-ECONOMIC OPP					
104-2308-515.01-52	CRA PROJECTS / COMMUTER RAIL MATCH					
104-2308-515.01-53	CRA PROJECTS / CENTRAL PARK LOT B					
104-2308-515.01-54	CRA PROJECTS / BUS SHELTER IMPROVEMENTS					
104-2308-515.01-55	CRA PROJECTS / PARK AVE SURVEY/STUDY					
104-2308-515.01-56	CRA PROJECTS / HISTORIC DISTRICT EST					
104-2308-515.01-57	CRA PROJECTS / BUSINESS DISTRICT EVENT					
104-2308-515.01-58	CRA PROJECTS / HOUSING REHAB - CDBG PROJ					
104-2308-515.01-60	CRA PROJECTS / NEW YORK/NEW ENGLAND UNDG					
104-2308-515.01-59	CRA PROJECTS / WEST MEADOW ICE RINK	225,000	217,084	217,084	223,609	235,364

CRA FY2017-18 Budget Forecast

Account Number	Account Name	Request	Mid year	Est. Actual	Actual	Actual
		2018	2017	2017	2016	2015
104-2308-515.01-60	CRA PROJECTS / NEW YORK/NEW ENGLAND UNDG					
104-2308-515.01-61	CRA PROJECTS / E. MORSE BLVD STREETSCAPE					
104-2308-515.01-62	CRA PROJECTS / W. MORSE BLVD STREETSCAPE		26,925	350,000		
104-2308-515.01-63	CRA PROJECTS / PARK AVE. STRATEGIC PLAN			41,692	28,308	
104-2308-515.01-64	CRA PROJECTS / NEW ENG-SHADY PK TO CAPEN					
104-2308-515.01-65	CRA PROJECTS / QUALIFIED TARGET IND PROG	109,900			19,800	19,800
104-2308-515.01-66	CRA PROJECTS / SIGNS AND WAYFINDING PJT		560		8,653	84,290
104-2308-515.01-67	CRA PROJECTS / E WELBOURNE STREETSCAPE					
104-2308-515.01-69	CRA PROJECTS / ADAPTIVE SIGNALIZATION					
104-2308-515.01-70	CRA PROJECTS / WP WOMEN'S CLUB RENOVATIO				10,000	30,000
104-2308-515.01-71	NEW YORK STREETSCAPE	1,000,000	147,760	762,183	50,000	
104-2308-515.01-72	BUSINESS SIGN REPLACEMENT PRGM			10,000		
104-2308-515.01-73	DRIVEWAY IMPROVE PRGM	24,000	11,700	12,000	3,000	
104-2308-515.01-74	PAINT ONLY PRGM	10,000	5,000	5,000	5,000	
104-2308-515.01-74	17/92 FAIRBANKS					
104-2308-515.41-16	COMMUNICATIONS SERVICES / AIRCARDS					
104-2308-515.41-20	COMMUNICATIONS SERVICES / CELL PHONES/BEEPERS					
104-2308-515.52-10	OPERATING EXPENSES / GENERAL OPERATING SUPPLY					

CRA FY2017-18 Budget Forecast

Account Number	Account Name	Request	Mid year	Est. Actual	Actual	Actual
		2018	2017	2017	2016	2015
104-7100-550.52-01	OPERATING EXPENSES / ORG. SUPPORT TO ALLOCATE	15,000	2,755	15,000	3,929	
104-7100-550.52-27	OPERATING EXPENSES / PARK AVE ASSOCIATION					
104-7100-550.52-30	OPERATING EXPENSES / CREALDE ART CENTER					
104-7100-550.52-38	OPERATING EXPENSES / WELBOURNE NURSERY	25,000	25,000	25,000	15,000	5,000
104-7100-550.52-39	OPERATING EXPENSES / ENZIAN THEATRE	6,000		6,000	6,000	6,000
104-7100-550.52-42	OPERATING EXPENSES / WINTER PARK PLAYHOUSE	40,000	25,000	25,000	25,000	
104-7100-550.52-46	OPERATING EXPENSES / ST. PATRICK'S DAY PARADE				-	2,000
104-8502-581.01-00	INTERFUND TRANSFER / TRANS TO GENERAL FUND					
104-8502-581.10-10	INTERFUND TRANSFER / CONTRIBUTIONS/DESIGNATION					
104-8502-581.10-30	INTERFUND TRANSFER / AFFORDABLE HOUSING FUND					
104-8502-581.20-30	INTERFUND TRANSFER / TRANS TO DEBT SERVICE					
104-8502-581.30-10	INTERFUND TRANSFER / TRANS TO CAPITAL PROJECTS		1,997	3,993	1,001,993	3,993
104-8502-581.30-30	INTERFUND TRANSFER / STORMWATER-CAPITAL PROJ					
104-8502-581.30-70	INTERFUND TRANSFER / TRANSFER TO PUB. SAFE. CP					
104-8502-581.40-60	INTERFUND TRANSFER / TRANSFER TO ELECTRIC OPER					
104-8502-584.01-10	REIMBURSEMENTS / REIMB ADMIN TO GEN FUND	57,550	21,306	42,611	53,323	45,905
104-9200-585.04-10	EXPENSE / CONTINGENCY RESERVE					
104-9200-585.12-10	PAY PLAN ADJUSTMENTS / PAY PLAN ADJUSTMENTS					
104-9200-585.12-14	PAY PLAN ADJUSTMENTS / PAY & CLASS. STUDY					
104-9200-585.12-15	PAY PLAN ADJUSTMENTS / GEN. EMP. PENSION IMPROVE					
104-9200-585.71-01	PRINCIPAL / FUND REFUND ESCROW ACCT.					

winter park



ATTACHMENT 1B

STRATEGIC PLANNING PROJECTS TABLE

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Winter Park CRA
Strategic Planning Discussion
8/9/2017

Current CIP
 Project for Discussion

PROJECT	LOCATION	DISCUSSION	COST	NOTES
17/92 - Fairbanks Intersection Improvements	Intersection of Fairbanks and Orlando Avenue	Approved as part of the 2015 Capital Improvement Plan.	\$1,285,648	Proposed improvements include lighting, mast arm traffic signals, coordination with utility undergrounding, light poles, landscaping, signage, ADA upgraded right-of-way, curbing and hardscape improvements.
17/92 - Webster Intersection Improvements	Intersection of Webster and Orlando Avenue	Approved as part of the 2015 Capital Improvement Plan.	\$717,113	Improvements showcase curb and roadway improvements, utility signage and lighting, landscaping/irrigation improvements, and mast arm signalization.
New York Streetscape	New York Avenue	Approved as part of the 2015 Capital Improvement Plan. The project builds on the 2007 CRA strategic plan in which the district prioritized updates to New York Avenue. During the recession, the CRA postponed the project due to budget cuts. From Fairbanks to Canton Ave, the project aims to incorporate improvements to ROW including curbs, hardscapes, furnishings, landscaping, irrigation and outlining of parking spaces through curb cuts and bulbouts. Adds total on-street parking from 89 to 113 total spaces. An increase of 24 or 27%.	\$1,821,850 (City GC) - \$2,103,879 (Private GC)	The original 2015 scope valued at \$1.762 million. An updated estimate of probable cost includes direction by the Agency to extend the proposed project from Morse Blvd to Canton Avenue therefore elevating the cost. Two estimates are provided for review valuing the total cost of the project by the city and then by a private contractor.
MLK Park Upgrades	MLK Park	Includes new Master Plan for MLK Park providing for artificial turf, paving, landscaping, playground equipment, and picnic shelters. Will be designed in conjunction with new library built on Civic Center footprint proposed by GAI consultants.	\$10,674,266	The project concept includes two phases providing for a dual-pronged approach for financing the project. Total cost of the project includes phase I (\$6,954,712) and phase II (\$3719,514) which contains the enhancement option in phase I.
Kimley Horn Strategies	CRA District (All)	\$300,000 valued at \$100,000 per year over the next three years as an estimated annual cost for outcomes suggested by Kimley Horn for parking strategies that do not add capacity.	\$300,000	Further conversation is expected from the August 8-10 public meetings as well as discussion by the CRA Agency and City Commission on August 14th. A final deliverable is expected thereafter.
Parking Deck				
	City Hall	One level deck. Total of 166 spaces and 12,000 SF lease area		Notes provided in imagery from Le-Huu Architects.
	Lot A	One level deck. Total of 250 spaces		Notes provided in imagery from Le-Huu Architects.
	Knowles Parking Area	One level deck. Total of 114 spaces		Notes provided in imagery from Le-Huu Architects.
Parking Garage				
	City Hall	3 level garage. 385 spaces with 22,800 rentable retail space. Approximately \$34,000 - \$40,000 a space.	\$13,500,000	Full notes provided in memo from Brasfield & Gorrie dated May 3rd.
	Lot A	Parking deck on Lot A and underground structure beneath West Meadow. 516 total spaces at \$30,000 - \$35,000 per	\$24,000,000	Full notes provided in memo from Brasfield & Gorrie dated May 3rd.
	Knowles Parking Area	3 level garage. Approximately 220 cars at \$28,000 - \$33,000 a space	\$7,300,000	Full notes provided in memo from Brasfield & Gorrie dated May 3rd.
Electric Undergrounding	CRA district eligible locations	Staff direction was to determine a cost for undergrounding Duke Energy lines within the CRA limits.	\$0	According to Electric Utility investment in the undergrounding of Duke primary lines within the CRA district provides minimal impact.
Decorative Lighting	CRA District (All)	Direction to staff was to determine a scope and cost of decorative lighting throughout the CRA district	\$576,000	Coordination with the city's electric undergrounding program provides for reduce costs and coordination. There are a total of 167 lights that could be installed in the district over three budget years mainly in FY2017-18 and FY2019-20.
Post Office Purchase	300 N New York Avenue	Awaiting reply from Post Office regarding acquisition	\$9,000,000	Value is a placeholder for discussion purposes.
Orlando Avenue Improvements	Orlando Avenue from Webster Avenue to the north to Fairbanks Avenue to the south	Cost includes CRA concepts for Webster, Morse and Fairbanks Avenues. Cost provides for roadway, signing and pavement markings, expanded sidewalks in areas in excess of six feet, and mast arms at signalized locations. FDOT's portion of the improvement is valued at \$8,592,138.	\$3,007,595	Include FY15-16 allocation of \$350,000 by CRA and \$89,500 by the Lakeside Crossings developer for Morse Blvd. improvements. Improvements to Webster and Fairbanks Intersections currently scheduled as part of CIP would count against total cost of the project.

winter park



ATTACHMENT 1C
ESTIMATE REVENUE PROJECTIONS
(PRO FORMAS)

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Community Redevelopment Agency 10-Year Proforma - with current CIP

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
ESTIMATED REVENUES	5,980									
TIF Revenue - City	2,125,167	2,316,432	2,455,418	2,578,189	2,707,099	2,842,454	2,984,576	3,133,805	3,290,495	3,455,020
TIF Revenue - County	2,196,932	2,349,656	2,460,635	2,558,667	2,644,000	2,721,200	2,802,260	2,887,373	2,976,742	3,070,579
Investment Earnings	35,000	31,500	29,925	30,524	31,134	31,912	32,710	33,528	34,366	35,225
Misc. Revenues	230,000	238,000	246,320	254,973	263,972	273,331	283,064	293,186	303,714	314,662
Total Revenues	4,593,079	4,935,588	5,192,298	5,422,352	5,646,204	5,868,897	6,102,610	6,347,892	6,605,317	6,875,487
ESTIMATED EXPENDITURES										
Personnel & Indirect Costs	377,380	402,882	420,829	438,941	457,924	477,827	498,699	520,596	543,574	567,695
General Operating	235,565	242,632	249,911	257,408	265,130	273,084	281,277	289,715	298,407	307,359
Community Initiatives	186,000	191,580	197,327	203,247	209,345	215,625	222,094	228,757	235,619	242,688
Capital Maintenance	90,000	92,250	95,018	97,868	100,804	103,828	106,943	110,151	113,456	116,860
Adopted/Proposed Projects	1,548,900	1,238,000	1,033,008	1,224,207	517,218	527,747	538,697	550,085	561,928	574,245
Debt Service & Transfers	1,496,648	1,483,491	1,489,029	1,483,116	1,490,654	1,481,581	1,070,062	1,066,035	710,568	-
Total Expenditures	3,934,493	3,650,835	3,485,122	3,704,788	3,041,076	3,079,693	2,717,772	2,765,338	2,463,552	1,808,846
Annual Surplus/Deficit (Funding Available for Additional Projects and Programs)	658,586	1,284,753	1,707,176	1,717,565	2,605,129	2,789,204	3,384,838	3,582,554	4,141,765	5,066,641
Cash Balance	658,586	1,943,339	3,650,516	5,368,080	7,973,209	10,762,413	14,147,251	17,729,805	21,871,570	26,938,211

Community Redevelopment Agency 10-Year Proforma - Not including current CIP

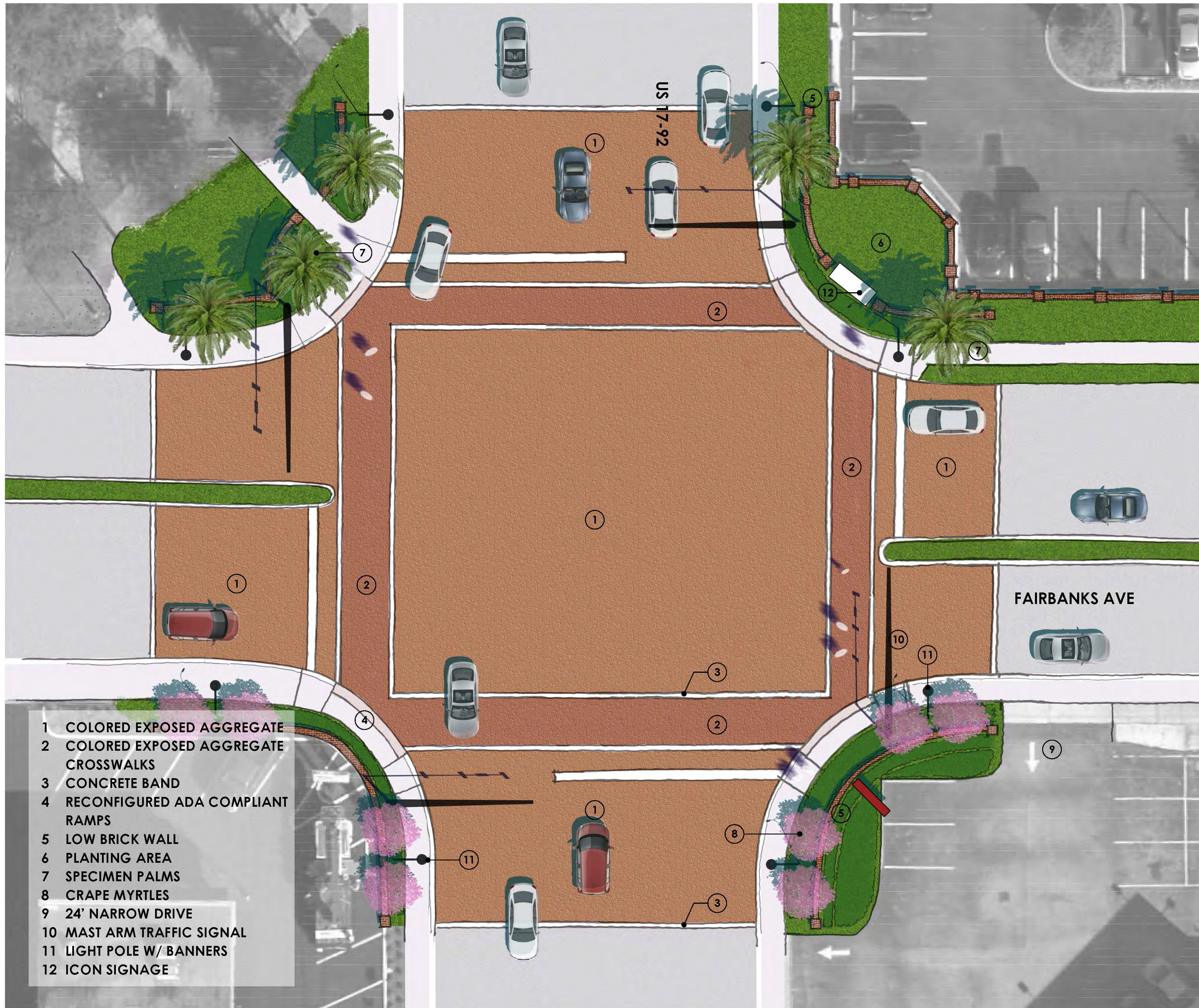
	EST. FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
ESTIMATED REVENUES											
budget rollover '16	1,758,060										
TIF Revenue - City	1,822,815	2,125,167	2,316,432	2,455,418	2,578,189	2,707,099	2,842,454	2,984,576	3,133,805	3,290,495	3,455,020
TIF Revenue - County	1,975,328	2,196,932	2,349,656	2,460,635	2,558,667	2,644,000	2,721,200	2,802,260	2,887,373	2,976,742	3,070,579
Investment Earnings	40,000	35,000	31,500	29,925	30,524	31,134	31,912	32,710	33,528	34,366	35,225
Misc. Revenues	177,851	230,000	238,000	246,320	254,973	263,972	273,331	283,064	293,186	303,714	314,662
Total Revenues	5,774,054	4,587,099	4,935,588	5,192,298	5,422,352	5,646,204	5,868,897	6,102,610	6,347,892	6,605,317	6,875,487
ESTIMATED EXPENDITURES											
Personnel & Indirect Costs	343,724	377,380	402,882	420,829	438,941	457,924	477,827	498,699	520,596	543,574	567,695
General Operating	219,847	235,565	242,632	249,911	257,408	265,130	273,084	281,277	289,715	298,407	307,359
Community Initiatives	168,959	186,000	191,580	197,327	203,247	209,345	215,625	222,094	228,757	235,619	242,688
Capital Maintenance	90,000	90,000	92,250	95,018	97,868	100,804	103,828	106,943	110,151	113,456	116,860
Adopted/Proposed Projects	2,831,077	548,900	488,000	497,360	507,094	517,218	527,747	538,697	550,085	561,928	574,245
Debt Service & Transfers	1,497,545	1,496,648	1,483,491	1,489,029	1,483,116	1,490,654	1,481,581	1,070,062	1,066,035	710,568	-
Total Expenditures	5,151,152	2,934,493	2,900,835	2,949,474	2,987,675	3,041,076	3,079,693	2,717,772	2,765,338	2,463,552	1,808,846
Rollover											
Annual Surplus/Deficit (Funding Available for Additional Projects and Programs)	622,902	1,652,606	2,034,753	2,242,824	2,434,678	2,605,129	2,789,204	3,384,838	3,582,554	4,141,765	5,066,641
Cash Balance	622,902	2,275,508	4,310,262	6,553,086	8,987,764	11,592,892	14,382,096	17,766,934	21,349,489	25,491,254	30,557,894

winter park

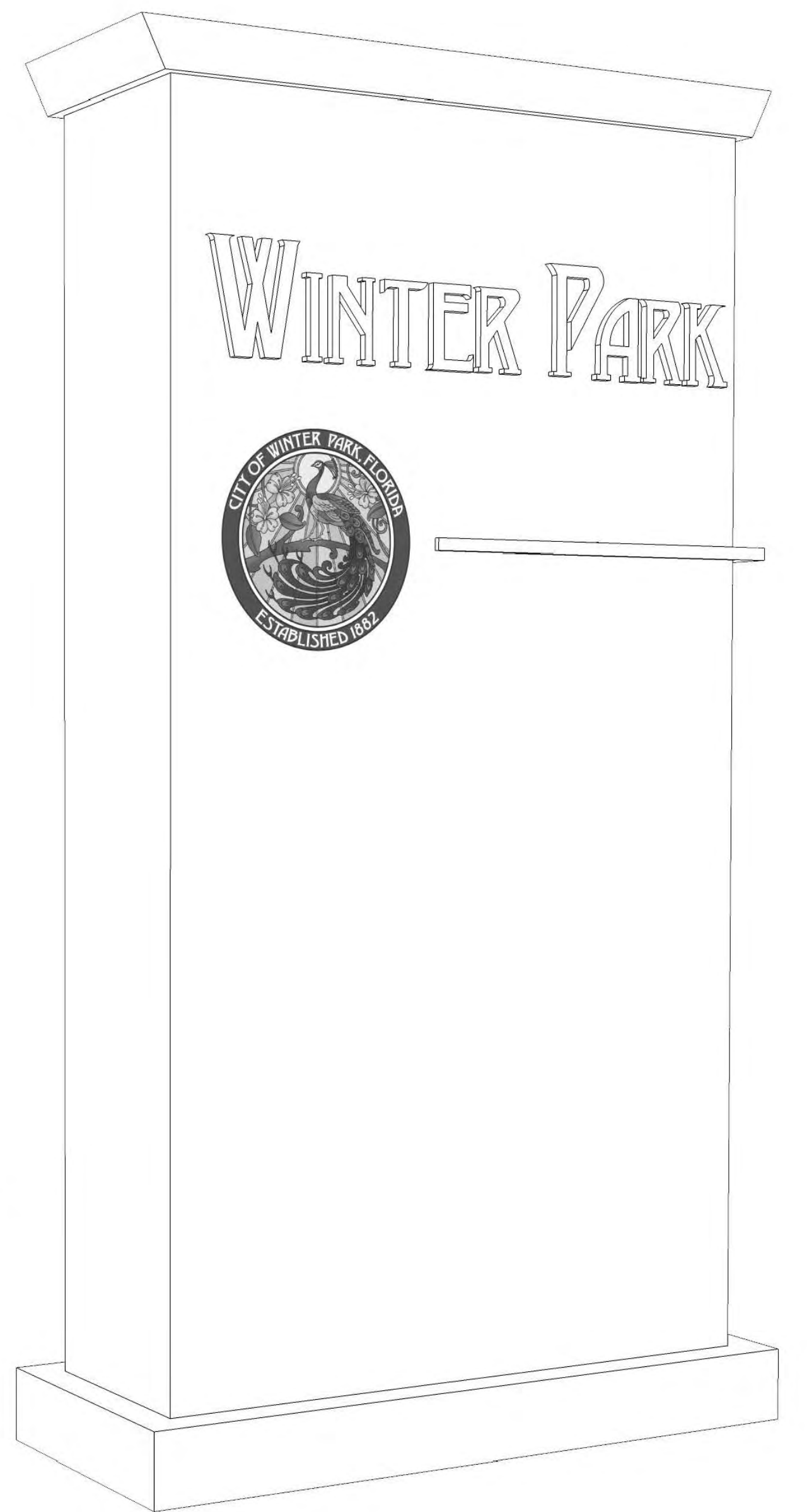


ATTACHMENT 2A
US HWY 17-92 PD&E

community
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- 1 COLORED EXPOSED AGGREGATE
- 2 COLORED EXPOSED AGGREGATE CROSSWALKS
- 3 CONCRETE BAND
- 4 RECONFIGURED ADA COMPLIANT RAMPS
- 5 LOW BRICK WALL
- 6 PLANTING AREA
- 7 SPECIMEN PALMS
- 8 CRAPE MYRTLES
- 9 24' NARROW DRIVE
- 10 MAST ARM TRAFFIC SIGNAL
- 11 LIGHT POLE W/ BANNERS
- 12 ICON SIGNAGE



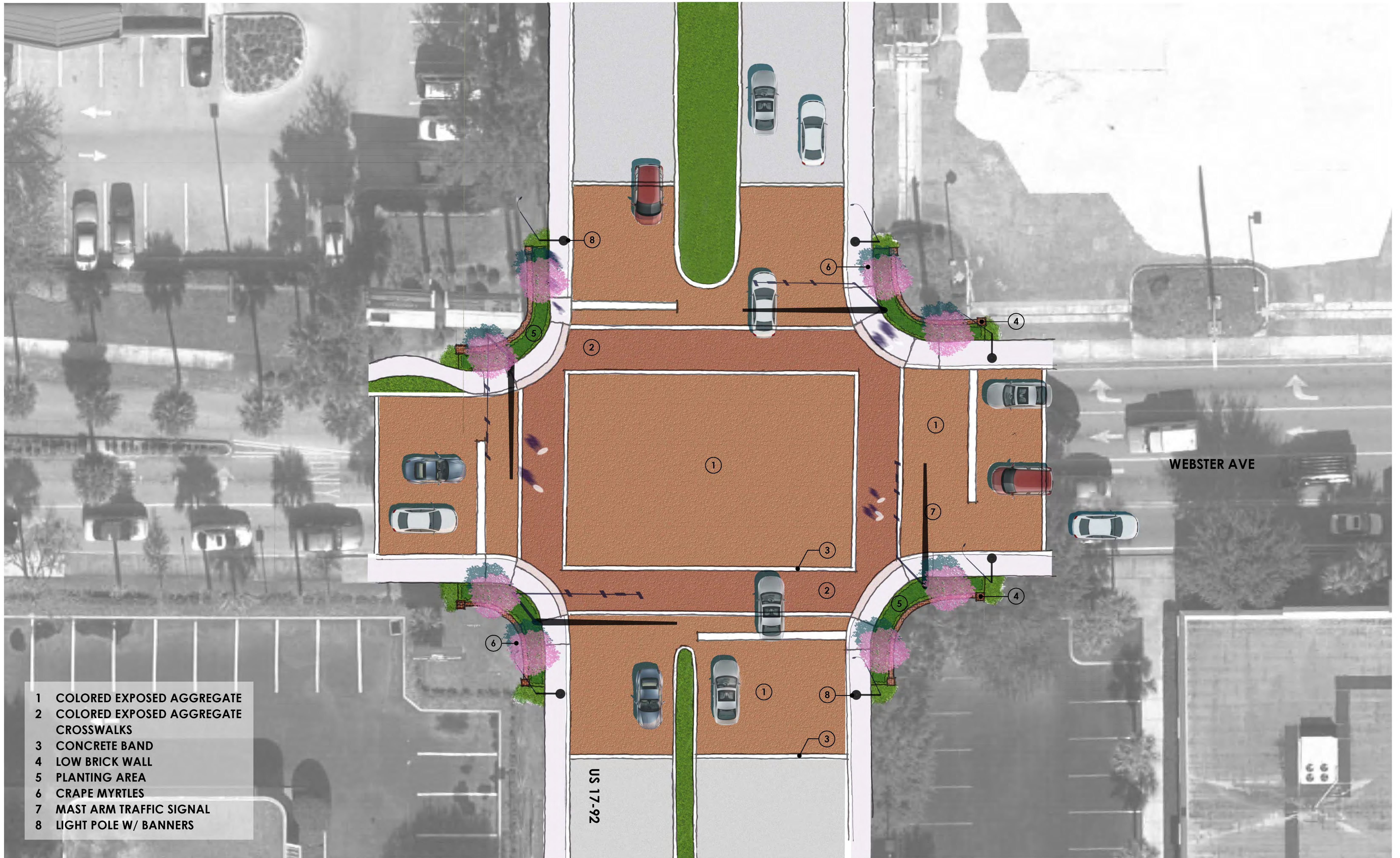




PROJECT NAME: Winter Park CRA Concepts
PROJECT NO.: H141545
DATE: 1/30/2015 \$49.45 per SF const. cost
PROJECT PHASE: Fairbanks / 17-92 Intersection 26,000 SF

Item No.	Item	Qty.	Unit	Price/Unit	Subtotal	Description
A Gen. Conditions, Earthwork, & MOT						
1.	Maintenance of Traffic	120	DA	\$350.00	\$42,000.00	Day Allowance (14 per 100 LF); includes temporary signs, work barriers, and MOT signs
2.	Stormwater Pollution Prevention Measures	1	AL	\$5,000.00	\$5,000.00	Allowance for inlet protection, silt fencing, etc.; 1 unit per block
3.	Demo and removal of existing materials	2,900	SY	\$15.00	\$43,500.00	Removal of curb, asphalt, concrete, clear and grub non-paved areas
	Subtotal				\$90,500.00	
B Pavement, Curbs, & Roadways						
1.	Vehicular concrete pavement	18,800	SF	\$12.00	\$225,600.00	8" thick, colored, exposed aggregate
2.	Flush concrete bands	1,786	SF	\$8.00	\$14,288.00	2' wide x 12" thick bands, separating concrete treatments and asphalt
3.	Concrete 'D' curb	90	LF	\$18.00	\$1,620.00	FDOT type 'D' curb
4.	Concrete sidewalk	1,650	SF	\$4.75	\$7,837.50	4" thick concrete pavement, broom finish, saw-cut joints
5.	Corner ADA ramps & landings	4	EA	\$3,500.00	\$14,000.00	New ADA-compliant concrete corner ramps and landings
6.	Mast arms and traffic signal heads	1	AL	\$300,000.00	\$300,000.00	Allowance
7.	Thermoplastic striping	1	AL	\$15,000.00	\$15,000.00	Allowance for lane lines, stop bars, crosswalk striping
	Subtotal				\$578,345.50	
C Utilities, Signage, & Lighting						
1.	Utility undergrounding	1,810	LF	\$200.00	\$362,000.00	Put overhead utilities underground w/in the project boundaries
2.	Street lights w/ banners	8	EA	\$5,000.00	\$40,000.00	FDOT-level
3.	Electrical service and wiring	1	AL	\$12,500.00	\$12,500.00	Electrical service allowance
	Subtotal				\$414,500.00	
D Site Hardscape & Furnishings						
1.	Low brick walls w/ columns	290	LF	\$200.00	\$58,000.00	24" high brick walls w/ 2' sq. x 30" high brick columns
2.	ID Sign	1	AL	\$20,000.00	\$20,000.00	Allowance for small ID sign
	Subtotal				\$78,000.00	
E Landscape & Irrigation						
1.	Crape Myrtle Trees	8	EA	\$800.00	\$6,400.00	100 gallon
2.	Specimen Palm Trees	5	EA	\$8,000.00	\$40,000.00	16'-20' CT Medjool Palms or Canary Island Date Palms
3.	Shrubs and Groundcovers	3,330	SF	\$18.00	\$59,940.00	7 gal, 3 gal, 1 gal material
4.	Irrigation	3,330	SF	\$1.25	\$4,162.50	
5.	Tree Irrigation	13	EA	\$100.00	\$1,300.00	Cost per tree
6.	Irrigation POC, Meter, BFP, & Controller	1	AL	\$12,500.00	\$12,500.00	Equipment needed for irrigation
	Subtotal				\$124,302.50	
	Subtotal Capital Improvement Budget				\$1,285,648.00	
F Design, Engineering, and General Cond.						
1.	Design and Engineering Fees				\$192,847.20	15% of Capital Improvement Subtotal
2.	General Requirements (Equip, Mobiliz., Bonds)				\$154,277.76	12% of Capital Improvement Subtotal; Equipment, mobilization, bonds, etc.
3.	Permitting/Fees				\$25,712.96	2% of Capital Improvement Subtotal; Utility connections, permit applications, etc.
4.	Contingency				\$257,129.60	20% of Capital Improvement Subtotal
	Grand Total				\$1,915,615.52	

GAI has no control over the cost of labor or materials, the General Contractors or any Subcontractor's method of determining prices, competitive bidding and market conditions. This opinion/cost analysis is made on the basis of experience, qualifications, and best judgment of a professional construction consultant familiar with the construction industry. GAI cannot, and does not, guarantee that proposals, bids or actual construction costs will not vary from this or subsequent cost opinions. GAI staff of professional cost consultants has prepared this opinion in accordance with generally accepted principles and practices. This staff is available to discuss its contents with any interested party.



WEBSTER AVE

US 17-92

- 1 COLORED EXPOSED AGGREGATE
- 2 COLORED EXPOSED AGGREGATE CROSSWALKS
- 3 CONCRETE BAND
- 4 LOW BRICK WALL
- 5 PLANTING AREA
- 6 CRAPE MYRTLES
- 7 MAST ARM TRAFFIC SIGNAL
- 8 LIGHT POLE W/ BANNERS



PROJECT NAME: Winter Park CRA Concepts
PROJECT NO.: H141545
DATE: 1/30/2015 \$38.76 per SF const. cost
PROJECT PHASE: Webster / 17-92 Intersection 18,500 SF

Item No.	Item	Qty.	Unit	Price/Unit	Subtotal	Description
A Gen. Conditions, Earthwork, & MOT						
1.	Maintenance of Traffic	90	DA	\$350.00	\$31,500.00	Day Allowance (14 per 100 LF); includes temporary signs, work barriers, and MOT signs
2.	Stormwater Pollution Prevention Measures	1	AL	\$5,000.00	\$5,000.00	Allowance for inlet protection, silt fencing, etc.; 1 unit per block
3.	Demo and removal of existing materials	2,050	SY	\$15.00	\$30,750.00	Removal of curb, asphalt, concrete, clear and grub non-paved areas
	Subtotal				\$67,250.00	
B Pavement, Curbs, & Roadways						
1.	Vehicular concrete pavement	13,450	SF	\$12.00	\$161,400.00	8" thick, colored, exposed aggregate
2.	Flush concrete bands	1,370	SF	\$8.00	\$10,960.00	2' wide x 12" thick bands, separating concrete treatments and asphalt
3.	Concrete 'D' curb	0	LF	\$18.00	\$0.00	FDOT type 'D' curb
4.	Concrete sidewalk	2,400	SF	\$4.75	\$11,400.00	4" thick concrete pavement, broom finish, saw-cut joints
5.	Corner ADA ramps & landings	4	EA	\$3,500.00	\$14,000.00	New ADA-compliant concrete corner ramps and landings
6.	Mast arms and traffic signal heads	1	AL	\$275,000.00	\$275,000.00	Allowance
7.	Thermoplastic striping	1	AL	\$15,000.00	\$15,000.00	Allowance for lane lines, stop bars, crosswalk striping
	Subtotal				\$487,760.00	
C Utilities, Signage, & Lighting						
1.	Utility undergrounding	250	LF	\$200.00	\$50,000.00	Put overhead utilities underground w/in the project boundaries
2.	Street lights w/ banners	6	EA	\$5,000.00	\$30,000.00	FDOT-level
3.	Electrical service and wiring	1	AL	\$12,500.00	\$12,500.00	Electrical service allowance
	Subtotal				\$92,500.00	
D Site Hardscape & Furnishings						
1.	Low brick walls w/ columns	160	LF	\$200.00	\$32,000.00	24" high brick walls w/ 2' sq. x 30" high brick columns
2.	ID Sign	1	AL	\$0.00	\$0.00	Allowance for small ID sign
	Subtotal				\$32,000.00	
E Landscape & Irrigation						
1.	Crape Myrtle Trees	8	EA	\$800.00	\$6,400.00	100 gallon
2.	Shrubs and Groundcovers	930	SF	\$18.00	\$16,740.00	7 gal, 3 gal, 1 gal material
5.	Irrigation	930	SF	\$1.25	\$1,162.50	
6.	Tree Irrigation	8	EA	\$100.00	\$800.00	Cost per tree
7.	Irrigation POC, Meter, BFP, & Controller	1	AL	\$12,500.00	\$12,500.00	Equipment needed for irrigation
	Subtotal				\$37,602.50	
	Subtotal Capital Improvement Budget				\$717,112.50	
F Design, Engineering, and General Cond.						
1.	Design and Engineering Fees				\$107,566.88	15% of Capital Improvement Subtotal
2.	General Requirements (Equip, Mobiliz., Bonds)				\$86,053.50	12% of Capital Improvement Subtotal; Equipment, mobilization, bonds, etc.
3.	Permitting/Fees				\$14,342.25	2% of Capital Improvement Subtotal; Utility connections, permit applications, etc.
4.	Contingency				\$143,422.50	20% of Capital Improvement Subtotal
	Grand Total				\$1,068,497.63	

GAI has no control over the cost of labor or materials, the General Contractors or any Subcontractor's method of determining prices, competitive bidding and market conditions. This opinion/cost analysis is made on the basis of experience, qualifications, and best judgment of a professional construction consultant familiar with the construction industry. GAI cannot, and does not, guarantee that proposals, bids or actual construction costs will not vary from this or subsequent cost opinions. GAI staff of professional cost consultants has prepared this opinion in accordance with generally accepted principles and practices. This staff is available to discuss its contents with any interested party.

FINAL
Candidate Project Technical Scope

408429-2, SR 15 (SR 600 / US 17-92 / Orlando Avenue) Winter Park
Section 75030-000, MP 4.569 to MP 6.665
Orange County

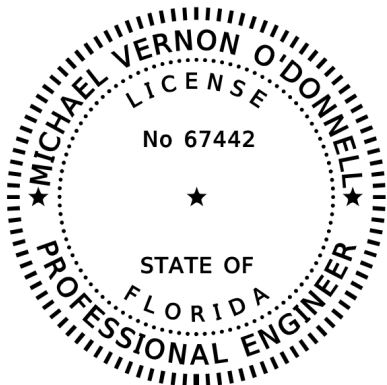
Prepared for:
THE FLORIDA DEPARTMENT OF TRANSPORTATION
PROGRAM MANAGEMENT
719 South Woodland Boulevard
DeLand, Florida 32720



General Engineering Consultant (GEC) Services
Financial Project ID: 436094-1-32-01
Contract No.: C-9L04
HNTB No.: 54854-PL-056

Prepared by:
HNTB Corporation
610 Crescent Executive Court, Suite 400
Lake Mary, Florida 32746
Certificate of Authorization 6500
407-805-0355

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This item has been electronically signed and sealed by Michael Vernon O'Donnell, P.E. on July 13, 2017 using a Digital Signature.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Candidate Project Planning Technical Scope

July 13, 2017

To: Amir Asgarinik
 From: Michael O'Donnell

RE: SR 15 (SR 600 / US 17-92 / Orlando Avenue) in Winter Park

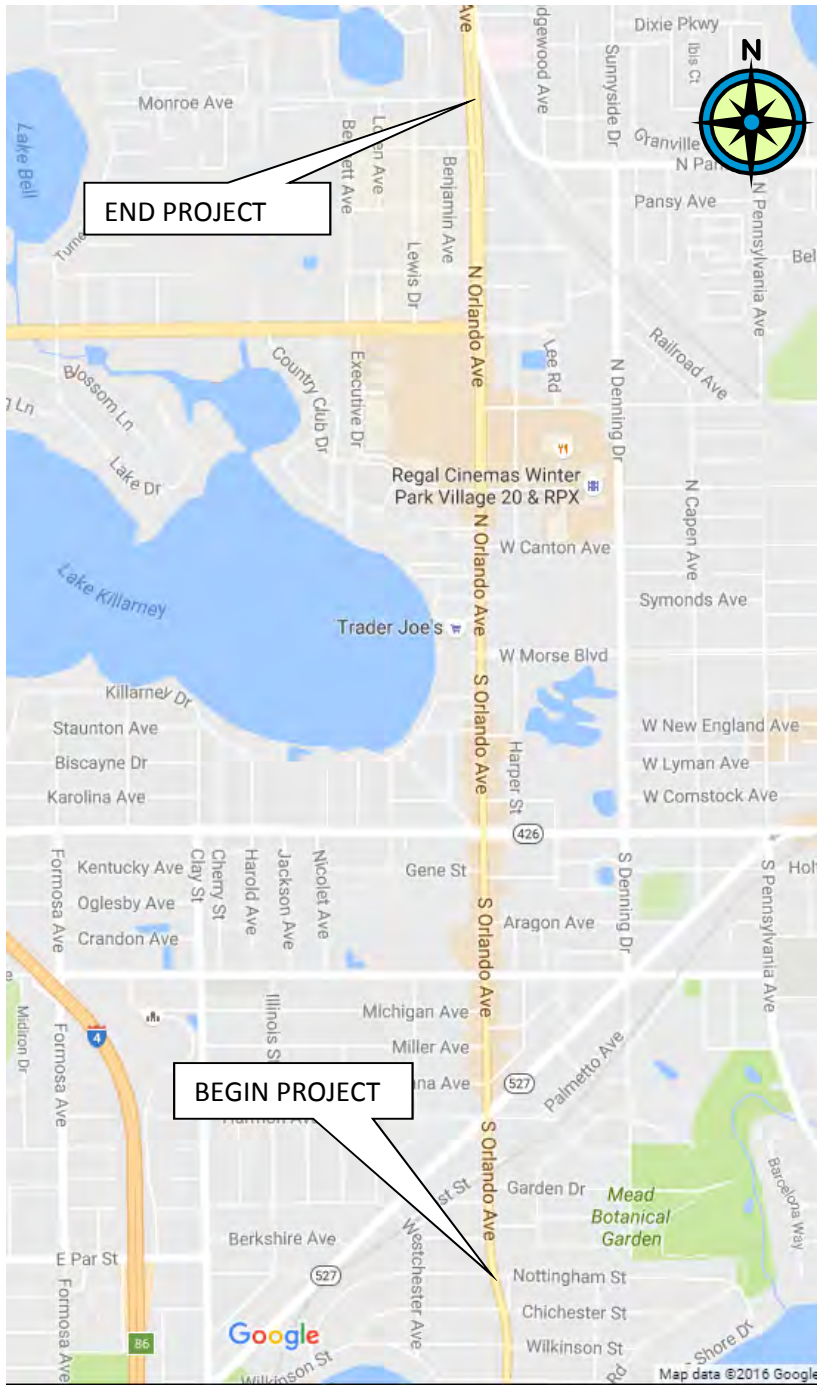
State Road Number: SR 15
 Section Number: 75030-000
 County: Orange
 Project Limits: From Orange Ave. to 200 feet south of Monroe Ave.
 Begin MP/End MP: 4.569 to 6.665 (2.096 Mi)
 FM: 408429-2

<p>1. Existing R/W Map Project Numbers:</p>	<p>75030-408429-1, 2006, MP 4.628 to MP 6.753, minimum width 80 ft. 75030-2205 & 75030-2502, 1957, MP 6.146 to MP 8.703, minimum width 80 ft. 7503-PROJ 1167A-E, 1936, MP 2.627 to MP 7.451, minimum width 60 ft.</p>
<p>2. Old Construction Project Numbers:</p>	<p>430669-1, 2013, Concrete Rehab (NB only), MP 6.201 to MP 7.102 239442-1, 2008, Concrete Rehab, MP 2.632 to MP 6.210 413578-1, 2006m Resurfacing SB, MP 6.2 to 8.7 75030-3518, 1985, Drainage Improvements, MP 6.340 to MP 7.074. 75030-3507, 1968, Widening, MP 3.997 to MP 6.300 75030-3505 & 75030-3502, 1958, Widening, MP 6.261 to MP 8.688</p>
<p>3. Additional R/W Required?</p>	<p>Yes, several curb ramps require corner clips. Additional Right-of-entry agreements and harmonizing easements will be required at driveways and along the back of sidewalk.</p>
<p>4. Level of Community Awareness Plan:</p>	<p>Level 4.</p>
<p>5. Are there any bridges within the limits?</p>	<p>No.</p>
<p>6. Are there any RR Crossings within the project limits or in the vicinity?</p>	<p>Crossing # 622169T at MP 4.779, Pedestrian modifications are proposed. Bridge # 750255 MP 6.679 (rail bridge over SR 15 just north of the project limits.)</p>
<p>7. Are there any Airports within 5-miles?</p>	<p>Orlando Executive Airport 2.5 miles SE</p>
<p>8. Storm Water Management Jurisdiction:</p>	<p>SJRWMD.</p>
<p>9. Is the Project within CCCL (<i>Coastal Construction Control Line</i>)?</p>	<p>No.</p>
<p>10. Is the project near a significant archaeological site?</p>	<p>EMO has reviewed this project and no concerns were noted.</p>
<p>11. Existing Utilities per Sunshine One Call: 15 Estimated number of underground: 14</p>	<p>AT&T Florida – Communication, Fiber, Telephone Advanced Cabling Solutions – Electric, Fiber Bombardier Transportation of North America – Fiber Centurylink – Phone, Fiber Charter Communications City of Maitland – Water, Sewer City of Orlando – Bureau of Wastewater City of Winter Park – Electric, Sewer, Water Duke Energy Florida, Inc. – Electric FPL Fibernet – Fiber Level 3 Communications, LLC – Fiber Orlando Telephone Company – Fiber, Telephone Orlando Utilities Commission – Electric, Water TECO Peoples Gas</p>

Candidate Project Planning Technical Scope

	Verizon Business – Communication, Fiber
12. Any Special MOT concerns?	<p>Lane shifts and phasing to construct the new curb lines and drainage from Orange Avenue to Gay Road will require narrow lanes and potential turning restrictions if the median lane cannot be removed.</p> <p>Concrete pavement with several temporary traffic shifts and restriping required.</p> <p>Significant pedestrian impacts will occur during reconstruct of curbs, drainage, and sidewalk, see Multimodal Scope Items.</p>
13. Any Construction Concerns?	<p>Back of sidewalk profile and consideration of off-site drainage to ensure flow is not blocked.</p> <p>Concrete subgrade drainage will be disturbed reconstructed.</p>
14. Posted/Design Speed Limits:	<p>MP 4.905 to MP 6.300 Posted: 35 MPH Design: 40 MPH MP 6.300 to MP 6.616 Posted: 40 MPH Design: 45 MPH</p>
15. Design Criteria and Highway System:	RRR, State Highway System
16. Lump Sum or Pay Item?	Lump Sum
17. Proposed Design Schedule:	36 – 48 months due to Right-of-Way and property agreements

Project Location Map:



Project Abstract
Relocate curb line to widen sidewalks. Bicycles are routed to a parallel facility.

The engineer is responsible for verifying all items in the proposed scope and shall review the project for conformance with all applicable criteria and standards. This Technical Scope has been presented to FDOT Department Heads and received final concurrence through the Technical Review Meeting process. The project scope, schedule, and budget have been established based on this Technical Scope and approved to enter the work program.

Intent and Nature of Project:

The project developed out of the SR 15/600 (US 17/92) from Norfolk Avenue to Monroe Avenue PD&E Study (FPID 408429-1-22-01) from 2004. Updated concept plans were provided in November 2016. The intent is to provide access management improvements related to the proposed extension of SR 423 (Lee Road) and to widen the sidewalks by eliminating bicycle lanes and narrowing the roadway typical section. The sidewalk improvements will extend north from Orange Ave to Webster

Candidate Project Planning Technical Scope

Ave. The access management improvements will extend from Gay Road to Monroe Ave. Isolated raised medians are also proposed providing 4 pedestrian crossings between Camellia Ave and Fairview Ave.

A major component of this project is detouring bicycle traffic off 17/92 via Denning Drive. The limits of the Detour are from Orange Ave to the Lee Rd extension. The proposed bicycle detour route is being provided by the City of Winter Park and must be operational prior to implementation of this project.

The PD&E Study identified sidewalk widening from Norfolk Ave to Webster Ave, however, the stretch from Norfolk to Orange should not be modified as it provides bicycle lane continuity for the previously mentioned detour. The reduced limits are reflected in the latest concept plans provided in November 2016.

Several public schools are listed within 2 miles of the area of construction. Coordinate with the Orange County Public School system to ensure that affected school bus routes are properly reviewed. Additionally, the sidewalk improvements may permit additional students to walk to school.

Project Description:

- The project is located in the City of Winter Park, Orange County from Nottingham Street to Monroe Avenue.
- SR 15 is classified as a 4-lane, urban principal arterial. Sidewalks and bike lanes are present on both sides of the subject road.
- The existing roadway typical sections are as follows:
 - Nottingham St to Gay Rd (MP 4.598 to MP 5.977)
 - (2) 11.5-ft outside lanes, (2) 11-ft inside lanes and a 14-ft paved median (total pavement width of 67-ft). A 4-ft bicycle lane is present throughout northbound and only present between Nottingham St to Fairbanks Ave southbound. Between Fairbanks and Gay Rd the southbound outside lane is increased to 15.5-ft. 4.5-ft sidewalks are present on both sides of SR 15.
 - Gay Rd to Webster Ave (MP 5.977 to MP 6.120)
 - (1) 14.5-ft outside northbound lane, (1) 15-ft wide outside southbound lane, (2) 11-ft inside lanes and a 15.5-ft raised median (total pavement width of 67-ft). There are no designated bicycle lanes. 4.5-ft sidewalks are present on both sides of SR 15.
 - Webster St to Lee Rd (MP 6.120 to MP 6.261)
 - (1) 12-ft outside northbound lane, (1) 11.5-ft wide inside northbound and (2) 11.5-ft wide southbound lanes, and a 14-ft raised median (total pavement width of 60.5-ft). There are no designated bicycle lanes. 4.5-ft sidewalks are present on both sides of SR 15.
 - Lee Rd to Monroe Ave (MP 6.261 to MP 6.663)
 - (1) 11.5-ft outside northbound lane, (2) 12-ft middle and inside northbound lanes. Variable raised median (17-ft minimum). The outside northbound lane drops just north of Solana Ave. (1) 13-ft southbound outside right turn lane and (2) middle and inside southbound lanes.
 - There will be changes to the existing roadway typical sections in the form of reduced lane widths, eliminated bicycle lanes and wider sidewalks.
 - The project is located within the Urban Area Boundary.
- The data from PTMS No. 755058 located at MP 4.983 identified an AADT of 26,000 and T= 4% and data from PTMS No. 755061 located at MP 5.815 identified an AADT of 29,000 and T=5.2%.
- Additionally, driveways, lawns and parking lots will require rework to tie to the new back-of-sidewalk elevation and will require a Level 3 Community Awareness with business owners, residence and stakeholders.
- Coordinate with Ashraf Elmaghaby for a possible Sunrail crossing project to be constructed in 2017 that would impact pedestrian and vehicular traffic.
- A separate candidate project, FPID: 441197-1, is proposed at SR 426 Fairbanks Avenue to extend the outside westbound lane. No impacts are anticipated between the projects.

Roadway Scope Items:

- By observation, the concrete pavement is in good condition, rehabilitated in 2008 and 2013. Three pavement designs are required, 1) rigid pavement slab repair/replacement, 2) rigid pavement reconstruction (intersections, returns and median openings), and 3) flexible asphalt pavement at the north end of the project for median improvements.

Candidate Project Planning Technical Scope

- Grind all concrete pavement to facilitate restriping pavement markings from Camellia Ave to Monroe Ave, excluding any asphalt pavement. Asphalt pavement is anticipated to remain with no change in lane use, however restriping for Traffic Control may be required.
- Complete design analysis and detailing as necessary to modify the typical sections as proposed, generally removing a portion of the pavement of the outside lanes and reconstructing the curb lines and sidewalk to the widest extent possible within the R/W. Several design elements must be considered, including:
 - Back of sidewalk drainage
 - Drainage inlets and stormsewer system (multiple trunklines are present)
 - Remnant concrete pavement slab sizes, typically 6 slabs across the roadway. Reconstruct concrete pavement at side streets when removal yields remnant pavement segments too small to remain.
 - Concrete subgrade drainage.
 - Consider monolithic curb and gutter and/or traffic separator with new adjacent concrete slabs, which may otherwise be as narrow as 2-ft due to widening.
 - The typical section is narrowed, which may make u-turns prohibitive.
- MP 4.598 to MP 4.881 – Nottingham St to Orange Avenue: No proposed roadway changes.
- MP 4.881 to MP 5.977 – Orange Ave to Gay Rd: Narrow the roadway pavement and provide wider sidewalks.
 - Remove a variable width of both outside lanes, approximately 5.5-ft of concrete pavement.
 - Reconstruct type F curb at new edge of pavement in both directions.
 - Restripe the remaining concrete pavement to provide (4) 11-ft travel lanes and (1) 12-ft paved bi-directional median.
 - MP 5.373 to MP 5.399 LT – Retain edge of pavement for limits of southbound right turn lane.
- MP 5.977 to MP 6.150 – Gay Rd to North of Webster St: Narrow the roadway pavement and provide wider sidewalks.
 - Remove a variable width of both outside lanes, approximately 8-ft total.
 - Reconstruct type F curb at new edge of pavement in both directions.
 - Reconstruct the raised median to reduce width to 12-ft, matching the existing access management.
 - Reconstruct 4-ft concrete traffic separators to provide 10-ft left turn lanes, with a full width median between.
 - Restripe the remaining concrete pavement to provide (4) 11-ft travel lanes.
 - Transition the southbound roadway back to existing 200-ft north of Webster Avenue.
- MP 6.150 to MP 6.261 – North of Webster St to Lee Road: No proposed roadway changes.
- MP 6.261 to MP 6.663 – Median improvements Lee Rd to Monroe Ave. Widen the median to remove the third northbound lane, leaving only the middle and outside lanes.
 - MP 6.261 to MP 6.334: No proposed roadway changes, maintain southbound directional left turn onto Friends Ave.
 - MP 6.334 to MP 6.468: Construct raised median to extend the SB left turn lane to Friends Ave. and the NB left turn lane to Glendon Pkwy., both as directional openings. Close median access at Kindel Ave. and Dixon Ave.
 - MP 6.468 to MP 6.532: Reconstruct variable width raised median accommodate the median opening at Glendon Pkwy. Remove the southbound left turn lane at Glendon Pkwy.
 - MP 6.532 to MP 6.663: Reconstruct variable width raised median to extend the existing southbound left turn lane at Solana Ave., creating a directional opening. Close median access at Elvin Ave. Extend the northbound left turn lane at Monroe Ave.
- Access Management will change at the following locations and will require coordination via public involvement.
 - MP 6.334 - Friends Ave – Maintain southbound directional left access.
 - MP 6.400 - Dixon Ave – Full median, no access.
 - MP 6.468 - Glendon Pkwy – Replace the full opening with a directional.
 - MP 6.532 - Solana Ave – Replace the full opening with a directional.
 - MP 6.578 - Elvin Ave – Full median, no access. Closed to extend southbound left turn lane.
- MOT phasing should consider use of the existing, wider, roadway width for lane shifts during utility relocation and drainage reconstruction prior to reducing roadway width with curb installation. This may require multiple lane shifts across the concrete surface but would permit the 4-lanes to remain throughout construction.

Drainage Scope Items:

- Existing Conditions:
 - Two major stormsewer outfalls:

Candidate Project Planning Technical Scope

- Southern at MP 5.60 LT, along Beachview Ave to Lake Killarney.
- Northern at MP 6.65 LT, along Monroe Ave to Gem Lake.
- Basin divide is at MP 6.12, Webster Ave.
- Roadway longitudinal slope < 0.3%
- Stormsewer system is undersized for the FDOT 3 year criteria
- Pavement spread does not meet the current FDOT criteria (Design Speed 35 mph = Keep half of outside travel lane clear)
- Curb inlet spacing is deficient
- No chronic flooding along corridor
- Proposed Drainage Improvements:
 - Review video pipe inspection of all existing pipes proposed to remain to ensure remaining service life is adequate prior to incorporation into the proposed network. Identify deteriorated pipes for replacement or repair.
 - The roadway typical section is modified to remove the bicycle lanes and shift the curb line inward, providing wider sidewalks. Changes to total impervious area are minimal.
 - MP 4.598 to MP 4.881 – Nottingham St to Orange Avenue: Maintain all existing stormsewer systems.
 - MP 4.881 to MP 6.150 – Narrowing Typical Section Orange Ave to Webster Ave:
 - Maintain existing stormsewer main on the left side of the roadway.
 - Replace existing inlets and manholes on the left side of the roadway with J-bottom inlets and manholes to accommodate proposed curb line and existing pipe location.
 - Add additional inlets on the left side of the roadway to meet current FDOT spread standards.
 - Replace existing inlets and manholes on the right side of the roadway.
 - Add additional inlets on the right side of the roadway to meet current FDOT spread standards.
 - Add new stormsewer main on the right side of the roadway, increasing the size to meet current criteria. Divert flow from the left main to the right main at junctions as necessary to reduce flows in the existing left main to capacity of current standards based on the existing size.
 - Maintain existing lateral stormsewer pipe connection under SR 15/600 just north of Beachview Ave., which will connect the left and right main along SR 15/600 to the stormsewer outfall main along Beachview Ave. The existing 42" pipe needs to be upsized due to extra runoff draining to it (proposed rightside stormsewer to the south). Further stormsewer analysis is required during the design phase once additional information is acquired.
 - Plug and abandon remaining existing lateral stormsewer pipes under SR 15/600.
 - Replace existing edgedrains with proposed edgedrains adjacent to proposed edge of travel lane and connect to nearby inlets to maintain subgrade drainage.
 - MP 6.150 to MP 6.663 – From Webster Ave to Monroe Ave: Maintain all existing stormsewer system conveyance and trunklines, modifying inlets only as needed for the changes in access management.
 - Approximately 12 structures are anticipated to be modified or installed.

Utility Scope Items:

- Utility coordination will be required to determine adjustments so there are no conflicts with the proposed construction.
- Buried utilities were identified and are expected to be heavily impacted by construction activities, primarily the drainage improvements between Orange Ave and Webster Ave.
- Obtain Vvh information at the following locations (400 total – 320 based on 5 per side of the roadway at 200-ft intervals for the limits of curb line reconstruction, and an additional 80 for miscellaneous lighting, signal, and signs.):
 - At the proposed inlet and manhole locations in proximity to the existing underground utilities. Note that these locations are within the outside lane of concrete pavement.
 - Several communications manholes are present in the outside northbound lane and are anticipated to be impacted.

Multimodal Scope Items:

- This project includes reconstruction of the curblines to narrow the roadway, which necessitates extended duration sidewalk closures. Include appropriate pedestrian maintenance of traffic analysis and plan detailing.
- MP 4.598 to MP 4.881 – Nottingham St to Orange Ave: No proposed changes, maintain existing 4.5-ft sidewalk, reconstructing curb ramps as needed to meet ADA standards.

Candidate Project Planning Technical Scope

- MP 4.779 – Railroad Crossing 622169T: Update the railroad crossing per Design Index 560. Provide detectable warning surfaces per Design Index 304. Coordinate the construction of pedestrian gates and roadway improvements with CFRC and Sunrail before construction.
- MP 4.870 – Harmon Ave. LT: Reconstruct the existing curb ramps at the intersection of Harmon Ave. and N. Orange Ave.
 - Reconstruct the sidewalk on the existing traffic island to provide curb ramps parallel with the existing and proposed curb ramps on Harmon Ave. Provide a pedestrian cross walk between the traffic island and the existing curb ramp.
 - Construct a new curb ramp to cross pedestrians closer to N. Orange Ave. Reconstruct the sidewalk and curb and gutter at the existing curb ramp to close this location for pedestrians. Restripe the stop bar 4-ft behind the proposed pedestrian cross walk.
 - Avoid impacting the existing curb inlet. It appears this location is a drainage low point.
- MP 4.881 to MP 6.120 – Narrowing Typical Section Orange Ave to Webster Ave:
 - The existing 4.5-ft sidewalks on both sides of the roadway are to be removed and replaced with variable width wider sidewalks, ranging from 8-ft to 15-ft, typically 10-ft. Ultimate sidewalk width will be constrained by the need to connect to existing ground at the Right-of-Way and maintain off-site drainage patterns.
 - Maintain connections to existing sidewalk along the Right-of-Way and at side streets, narrowing around the returns to match widths. Special back of sidewalk/driveway profiles may be required to connect to existing conditions within right-of-way. Several back of sidewalk/driveway connections will require reconstruction outside of right-of-way through property agreements.
 - Reconstruct all urban flared driveways connections on both sides of the roadway per Design Index 515. Refer to concept plans for desired driveway consolidation, closures, and width adjustments. Coordinate all modifications with property owners.
 - Reconstruct all curbed return driveway and side street connections on both sides of the roadway.
 - Provide split directional curb ramps at all signalized intersections.
- MP 6.120 to MP 6.663 – Webster Ave to Monroe Ave: No proposed changes, maintain existing sidewalk, reconstructing curb ramps as needed to meet ADA standards.
 - MP 6.250 – Lee Road: Reconstruct the existing blended pedestrian landings\curb ramps to provide dual directional curb ramp in all quadrants. Restripe the existing crosswalks to be in-line with the proposed ramps, reconstructing median noses as required.
- Construct landscaped raised medians at the following locations to serve as pedestrian crossings, each approximately 100-ft long. Construct curb ramp along the outside edge of travel to provide access to crosswalk. Upon completion, leave the crossings unmarked until the District Safety Office reviews usage and need for signing and marking. Provide 8-ft wide sidewalk within the median for pedestrian refuge.
 - MP 4.71 – Between Camellia Ave and Leith Ave
 - MP 5.01 – Between Miller Ave and Michigan Ave
 - MP 5.28 – Just south of Kentucky Ave\Gene St
 - MP 5.54 – Just south of New England Ave\Fairview Ave
- Prior to construction, coordinate with LYNX for placement and improvements to the existing bus routes and stops to optimize pedestrian access. During construction, coordinate with Lynx for detours and temporary bus stops during construction. Reconstruct bus stops with boarding and alighting areas. Coordinate with Lynx for potential modification of routes due to changes in signalization and access management, such as the removal of southbound left turns at Webster Ave. Lynx bus routes 1, 9, 102, and 443 run through Webster Ave. For all coordination, contact project manager, Jeff Reine at LYNX. (407) 254-6046 (jreine@golynx.com).

Permitting/Environmental Scope Items:

- Coordinate with FDOT, submitting a permit determination letter to the Environmental Permits Office, Attention District Five Permits Coordinator, for review and concurrence during the design process, considering the below descriptions of work and conditions.
 - This project is anticipated to exceed one acre of soil disturbing activities.
 - Conduct a Petroleum Contamination Assessment as there are 11 identified contamination sites along SR 15 within the project limits.
 - Overall pavement areas are being reduced, and sidewalks increased for a zero net impervious change. Stormsewer conveyance is being partially reconstructed but outfalls are being maintained.

Candidate Project Planning Technical Scope

- This project is anticipated to exceed one acre of soil disturbing activities and will require NPDES coverage under the FDEP Generic Permit for Stormwater Discharge from Large and Small Construction Activities.

Structural Scope Items:

- Complete analysis for signal reconstruction as described in the Traffic Operations Scope Items, 5 intersections total.
 - Note that several of the existing signal poles are joint-use and exhibit signs of distress (vehicle impacts, chipping, spalled areas, leaning). Coordinate removal of signals and potential pole replacement or underground relocation with utility agencies.
- Complete analysis for mast arm modifications at MP 5.977 Gay Rd, where signals are being relocated due to lane shifts and 4-section flashing yellow arrow signals are being added along with backplates.
- Analyze adjacent structures or facilities to ensure they are considered, monitored, and protected throughout construction. Several construction activities require digging or trenching along or adjacent to existing structures.

Traffic Operations (Includes Signing, Signals, ITS) Scope Items:

Signing and Pavement Markings

- Signing and Pavement Marking modifications shall be completed to incorporate the proposed improvements described above for the project limits. All mainline signing within the project limits shall be inventoried. Any existing signs that conflict with the proposed pavement markings shall be addressed in the plans.
 - All features added or modified should be designed "Accessible Pedestrian Signal Ready" to permit future upgrades without reconstructing curb ramps or relocating pedestrian poles to meet spacing requirements.
 - Provide signing and pavement markings to properly denote the begin and end limits of marked bicycle lanes.

Signals

- There are seven signalized intersections within the project limits. Reconstruct all pedestrian signals to meet ADA standards at the proposed curb ramp locations. Adjust existing or provide new video detection to new lane alignments. Adjust all signal heads to match proposed lane alignments and update to include backplates.
 - MP 4.881 Orange Ave, 5 leg – Reconstruct the signal with mast arms.
 - MP 5.125 Minnesota Ave, 4 leg – Reconstruct the signal with mast arms.
 - MP 5.373 Fairbanks Ave, 4 leg – Reconstruct the signal with mast arms.
 - MP 5.691 Morse Blvd – 3 leg – Reconstruct the signal with mast arms.
 - MP 5.977 Gay Rd, 4 leg – The existing mast arm signal is to remain with signal head adjustments. Replace the 5-section left turn signals with 4-section flashing yellows and retrofit all signal heads with backplates.
 - MP 6.120 Webster Ave – 4 leg – Reconstruct the signal with mast arms.
 - MP 6.261 Lee Rd – 4 leg – eastern leg has been recently constructed and video detection is in place. No changes are proposed to this mast arm assembly.
- MP 6.532 – Solana Ave – Conduct traffic analysis for long term access management recommendation at this location, including potential median modifications or signalization. Incorporate the results of the analysis in the design.

Intelligent Transportation Systems (ITS)

- Any ITS items within the project limits shall be shown on plan sheets that are necessary for other work. Plan sheets are not necessary solely to show ITS elements. ITS Certification Memo will be required at Production. See District Design Memo 09-02.
 - The corridor is designated as a part of Active Arterial Management, Phase I. FDOT fiber is present at Lee Road and continuing north.
 - The City of Winter Park has a comprehensive plan and existing ITS infrastructure within the corridor.
 - Due to significant curb and sidewalk reconstruction, this project includes opportunity to include the placement of fiber or conduits to support a future ITS network. Coordinate to determine inclusion based on the MPO/TPO ITS Master Plan. Master Plans are available online using the following link: http://www.cfsmarthroads.com/projects/Project_approvedmasterplans.shtm
 - The Engineer shall verify if any proprietary products certification is necessary for the project, as defined in 23 CFR 635.411. If a product is deemed necessary for project synchronization with existing facilities, or is a unique product for which there is no suitable alternative, then the Engineer is responsible to coordinate and prepare any necessary product justification letters with maintaining agency for the certification process.
 - FDOT Fiber Optic Cable is in the area of the underground work for this project. The Engineer is responsible to designate the fiber location in the plans and to determine if there is a conflict and to resolve the conflict.

Candidate Project Planning Technical Scope

No additional splices may be introduced into the cable. If the fiber removal and installation of a new cable is needed the designer shall:

- Verify the location of existing full termination splices
- Verify existing drop cable splicing
- Determine if Multimode and/or Single Mode FOC is in use
- If Multimode is in use:
 - Coordinated with Multimode user(s) to migrate to Single Mode
 - If Multimode is to continue.
 - Develop a MM TSP (requiring both 50 micron and 62.5 micron)
 - Provide a 24/12/12 or existing cable whichever is larger.
- If Single Mode only is to be used provide a 72SM or existing cable whichever is larger
- Coordinate with cable users for allowable downtime. The users include:
 - City of Winter Park
 - FDOT
- Provide plan sheets that
 - Restrict downtime
 - Present a Maintenance of Communication plan meeting the downtime requirement
 - Require a single uninterrupted cable will be used
 - Reflect splices for all drops cables to return existing functions
- The Engineer shall verify if the reconstructed signalized intersections are within the limits of an interconnected corridor. If interconnect exists within the existing corridor, then the Engineer is responsible to design a drop to the new cabinet and to verify that enough slack exists to provide the drop cable without introducing a new full termination splice location. If slack is not available, no additional splices may be introduced into the cable. If the fiber removal and installation of a new cable is needed the designer shall
 - Verify the location existing full termination splices
 - Verify existing drop cable splicing
 - If Single Mode only is to be used provide a 72SM or existing cable whichever is larger
 - Coordinate with cable users for allowable downtime. The users include:
 - City of Winter Park
 - FDOT
 - Provide plan sheets that
 - Restrict downtime
 - Present a Maintenance of Communication plan meeting the downtime requirement
 - Require a single uninterrupted cable will be used
 - Reflect splices for all drops cables to return existing functions
- The Engineer shall verify if any existing pullboxes are present within the project limits. If present within the project limits, the Engineer is responsible to provide ITS/Signalization plans for the replacement of the pullboxes. Relocation of pullboxes is not allowed.
 - Provide plan sheets that:
 - Show the replacement of pullboxes within the limits of sidewalk and/or curb cut ramp work.
- If an existing conduit greater than 1,000-ft in length is to be reused for temporary or permanent signal cable, fiber optic cable, or any other transportation cable, the Engineer is responsible to proof during design. Please contact Ron Miller (386) 943-5370 for coordinating the mobilization of a contractor to proof the conduit. The design shall document the proofing testing including, time, date, attendees, and results by conduit run, dowel size, and conduit size. This information shall be part of the design documentation.

Lighting Scope Items:

- Lighting is present throughout project. Lighting may be impacted by design elements such as grade changes and stormsewer installation.
- Provide pedestrian lighting at the seven signalized intersections within the project limits per PPM Vol. I Chapter 7.3.2.2. Adjustment or relocation of the existing street light poles may be required based on the results of the proposed lighting calculations and design.

Candidate Project Planning Technical Scope

- Provide pedestrian lighting at the four proposed midblock crosswalks within the project limits per PPM Vol. I Chapter 7.3.2.4. Adjustment or relocation of the existing street light poles may be required based on the results of the proposed lighting calculations and design.

Landscaping:

- Coordinate with the City of Winter Park for beautification and streetscaping opportunities. Based on concept plans and maximizing sidewalk width limited planting opportunities are apparent.

Survey Required:

- Obtain 3D Design Survey, collecting data for the entire length of roadway corridor.
 - Include 3D Design Survey as necessary for the proposed design and construction scopes of work. Include the roadway surface contained within the limits of the Right-of-Way plus 20-ft outside to determine offsite drainage patterns and driveway connection grades. Include side streets for a distance of 100-ft from the edge of SR 15.
- Obtain supplemental field survey for obscured areas or underground features affected by the work within the limits of 3D or planimetric mapping.
 - Locate utilities including valve covers, meter boxes, manholes, etc. within the limits of 3D mapping. Include 400 Vvh locations identified in the Utility Scope Items.
 - Locate existing drainage structure (inlet tops and manholes). Pipe sizes, flow lines, material type, etc. are required. Pipe networks are to be video inspected.

Right-of-Way and Mapping Scope Items:

- The majority of the roadway improvements can be completed within right-of-way. Resulting work however, including sidewalk and driveways will require Right-of-entry agreements or perpetual easements.
- Corner clip are anticipated to meet turning movements and curb ramp requirements at the following locations. The Engineer is to evaluate radius modifications and side street narrowing to limit Right-of-Way, with consideration for probable drainage and grading connections issues at the return.
 - MP 4.881 – Orange Ave, SE corner
 - MP 4.936 – Indian Ave, SW corner
 - MP 5.125 – Minnesota Ave, NE, NW, and SW corners
 - MP 5.219 – Aragon Ave, SE corner
 - MP 5.298 – Kentucky Ave, NE corner
 - MP 5.432 – Comstock Ave, NE corner
 - MP 5.546 – W. New England Ave, SE corner
 - MP 5.787 – Symonds Ave, SE corner
 - MP 5.876 – Canton Ave, NE corner
 - MP 5.977 – Gay Rd – Undetermined, east side appears private.
 - MP 6.120 – Webster Ave, SE corner
 - MP 6.250 – Lee Rd, NW corner
 - MP 6.468 – Glendon Pkwy, NW corner
- Easements will be required to ensure complete ability to maintain all sidewalks.
 - A perpetual easement for maintenance is required for existing or proposed sidewalk outside the Right-of-Way.
 - A temporary construction easement is required for existing parallel sidewalk outside the Right-of-Way that is not being reused.
 - Ensure all sidewalk connections at the Right-of-Way have appropriate tie ins.

Geotechnical Scope Items:

- Perform and obtain the necessary geotechnical information as directed by the Geotechnical Office:
 - Perform and analyze SPT borings for the proposed signal foundations, total of 19 proposed poles.
 - The existing data from USGS and SCS may be used for optional pipe calculations.

Design Variation/Exception:

Project Documentation

- Design Documentation is required for the removal of the bike lanes along SR 15 from Orange Avenue to Lee Road, as previously coordinated with the City of Winter Park.

Candidate Project Planning Technical Scope

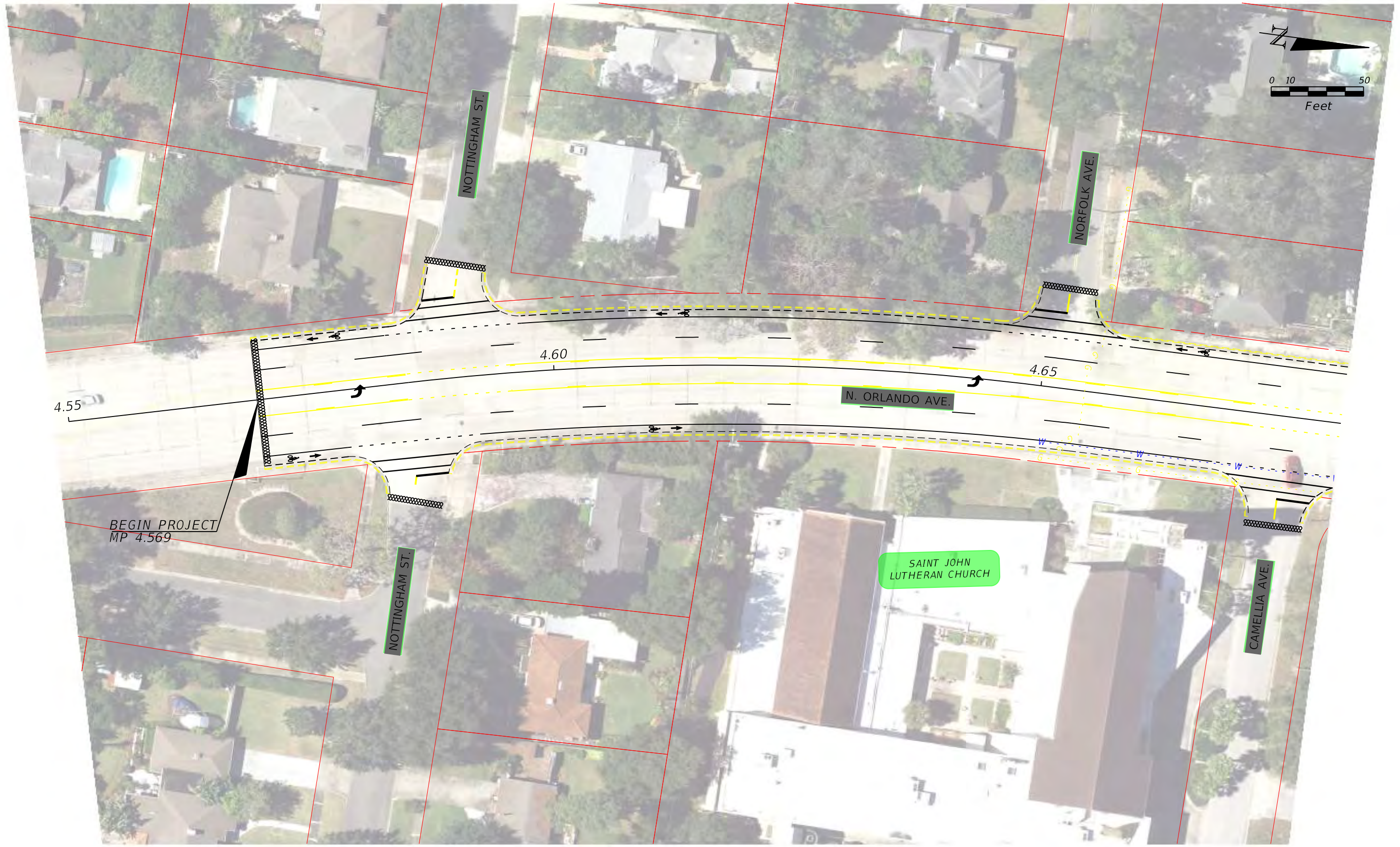
- Existing drainage stormsewer system outside the limits of the curb and gutter reconstruction are to remain, but have been identified as being undersized per current criteria. Reconstruction is to alleviate capacity to the extent feasible within the reconstruction limits, but existing outfalls are being maintained.
- Roadway cross slope: The existing roadway was constructed parabolic with cross slopes varying between 1.5% and 4.0% and meets PPM Chapter 25 minimum cross slope range. It should be noted that the proposed lane breakpoints fall within the inside travel lanes as a result of narrowing the roadway.

Design Variations


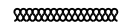

- Longitudinal grades less than 0.3% are present along 2922 LF of the project and will be maintained for the new curb line.
- Turn Lane Storage and Deceleration Length:
 - MP 5.38 LT: The southbound right turn lane to Fairbanks Ave. is 127.5-ft below the minimum of 235-ft, assuming a 50-ft queue.

Design Exceptions

- Longitudinal grades less than 0.3% are present along 2922 LF of the project and will be maintained for the new curb line.



LEGEND

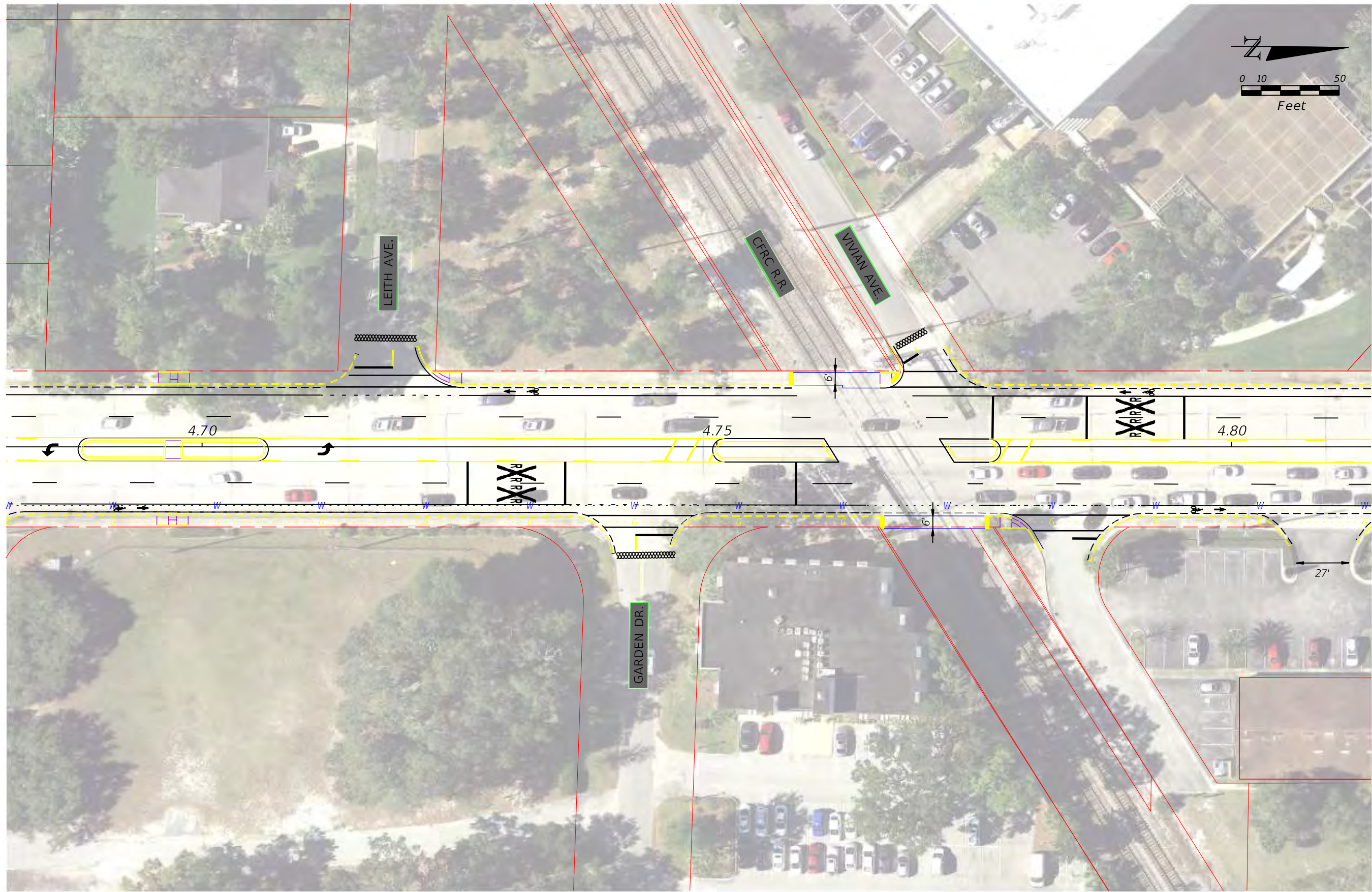
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-  COLORED CONCRETE

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION


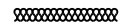

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 15	ORANGE	408429-2

SR 15/US 17192
PLAN SHEET

SHEET NO.
1



LEGEND

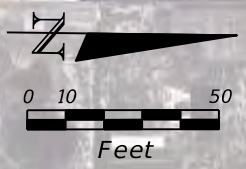
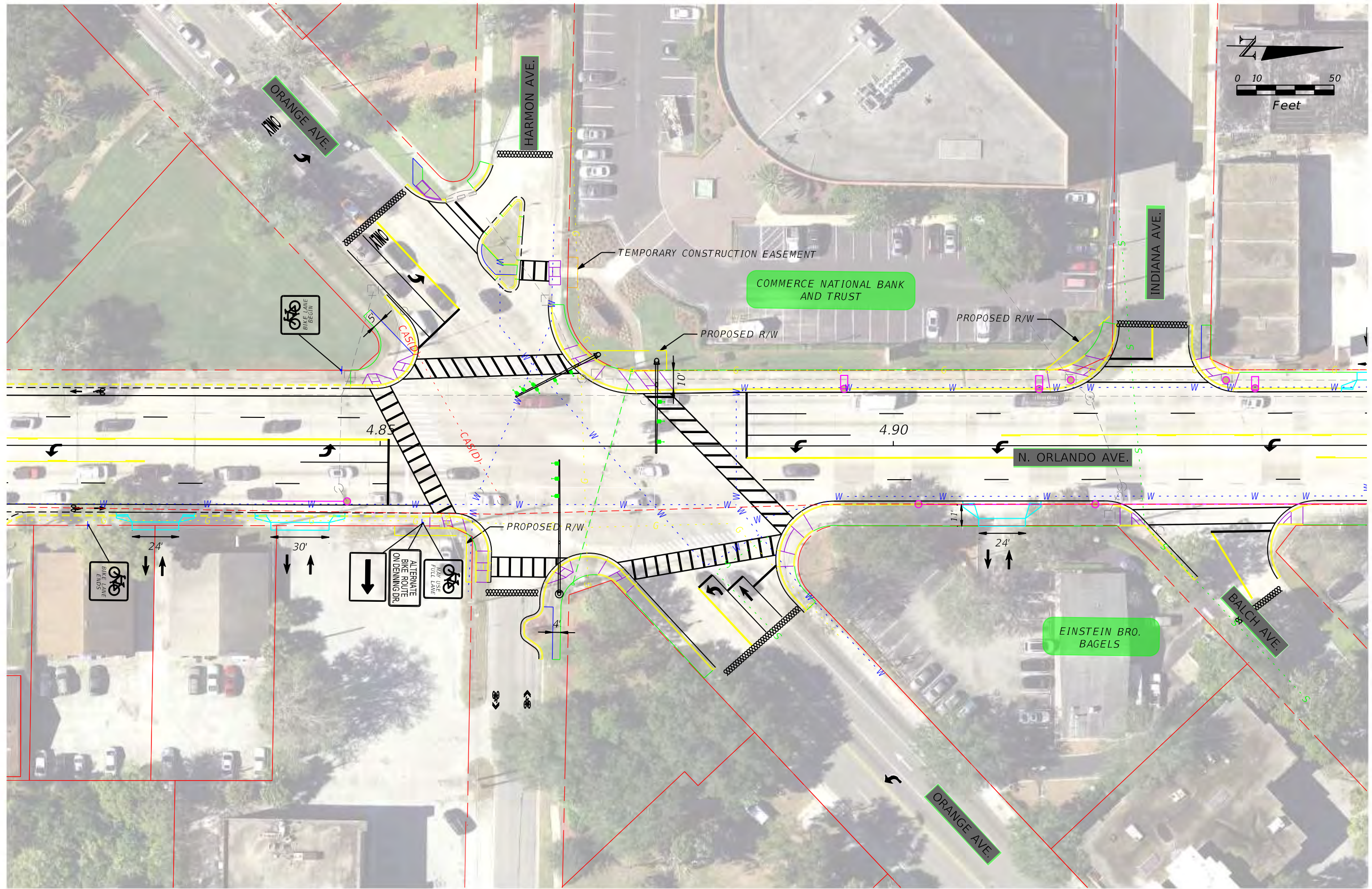
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION


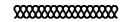

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 15	ORANGE	408429-2

SR 15/US 17192
PLAN SHEET

SHEET NO.
2



LEGEND

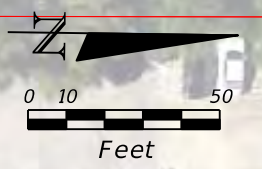
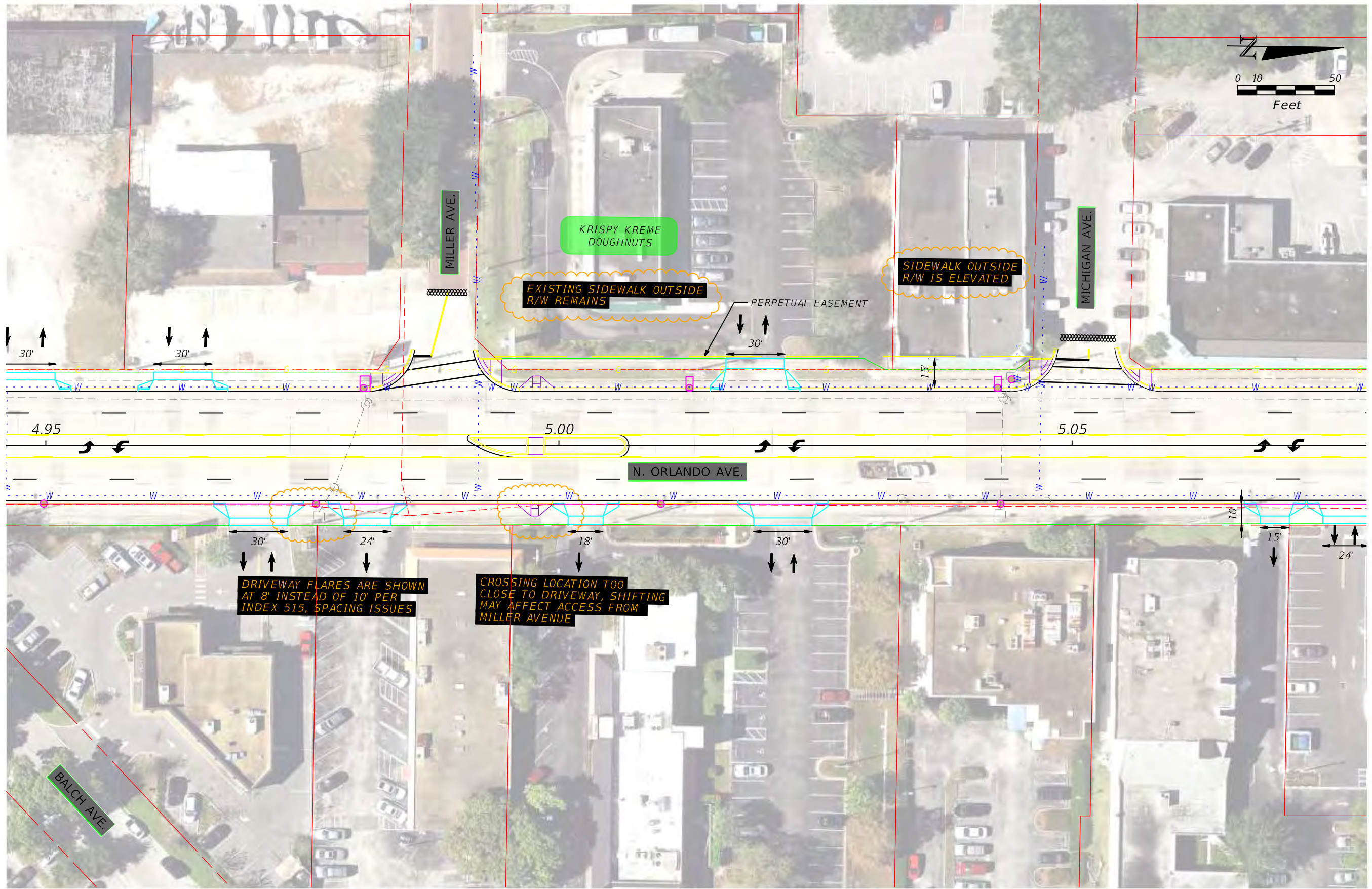
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

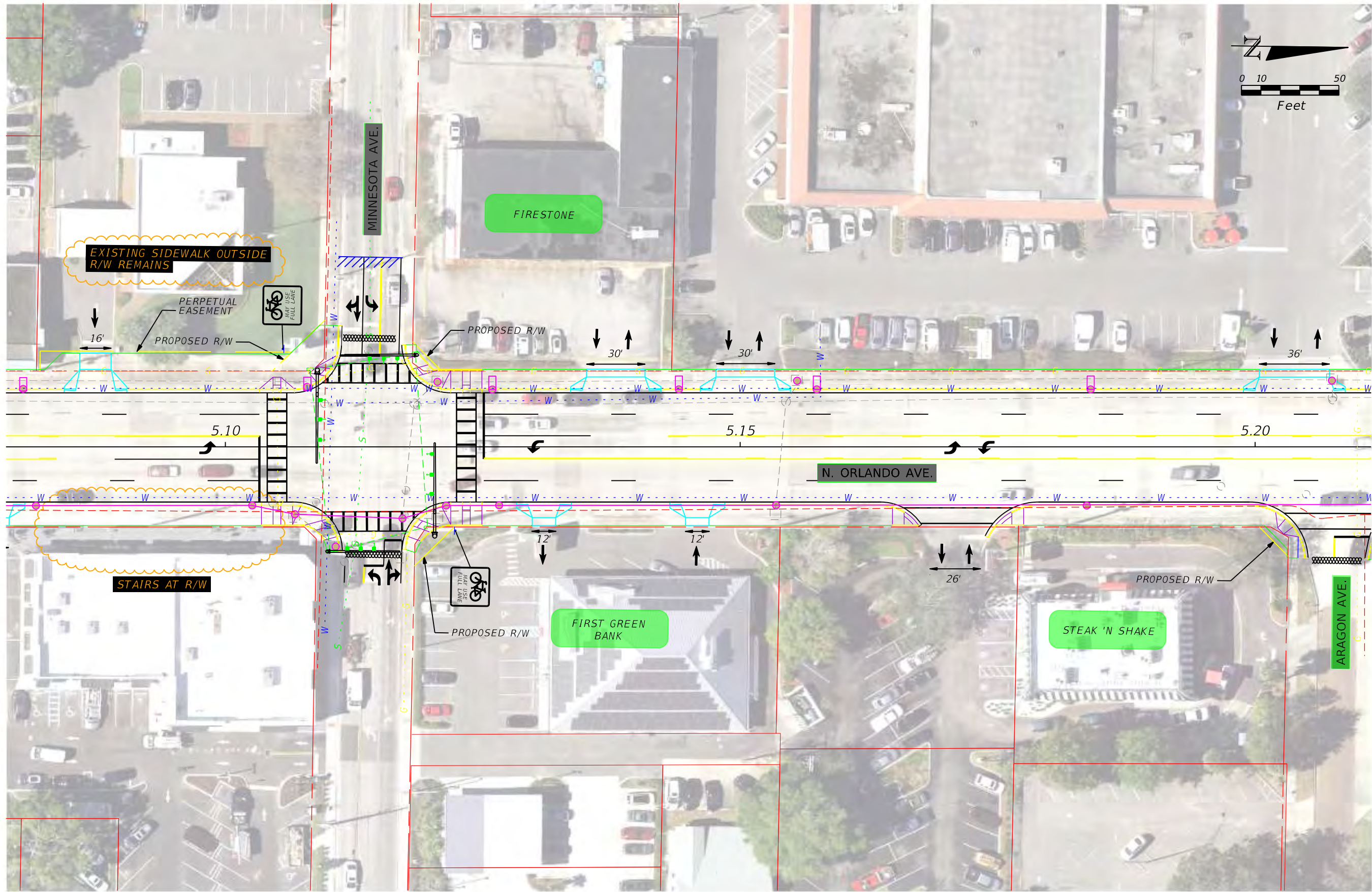
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SR 15	ORANGE	408429-2

SR 15/US 17192
PLAN SHEET

SHEET NO.
3



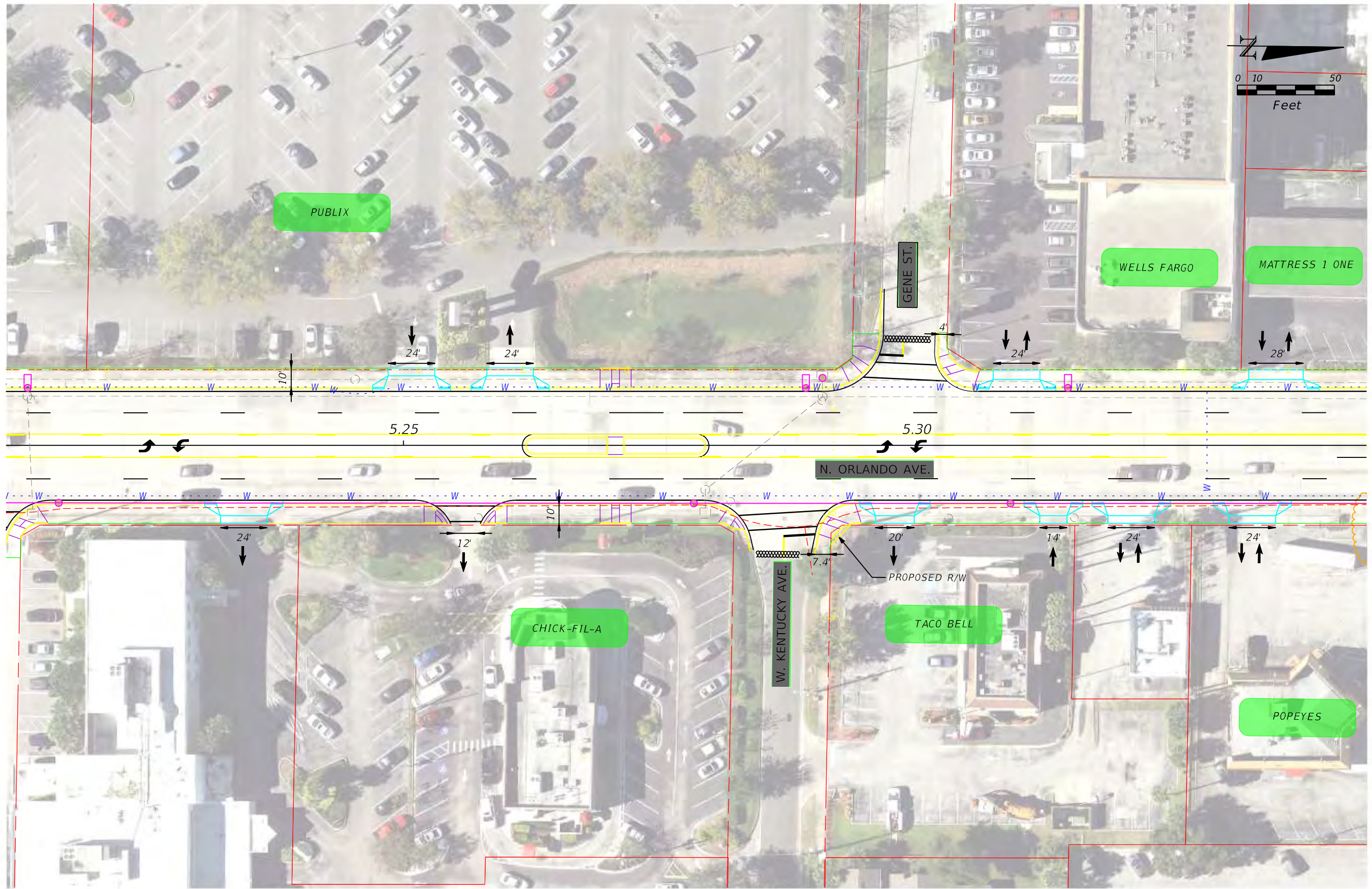
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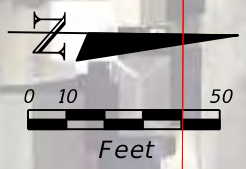
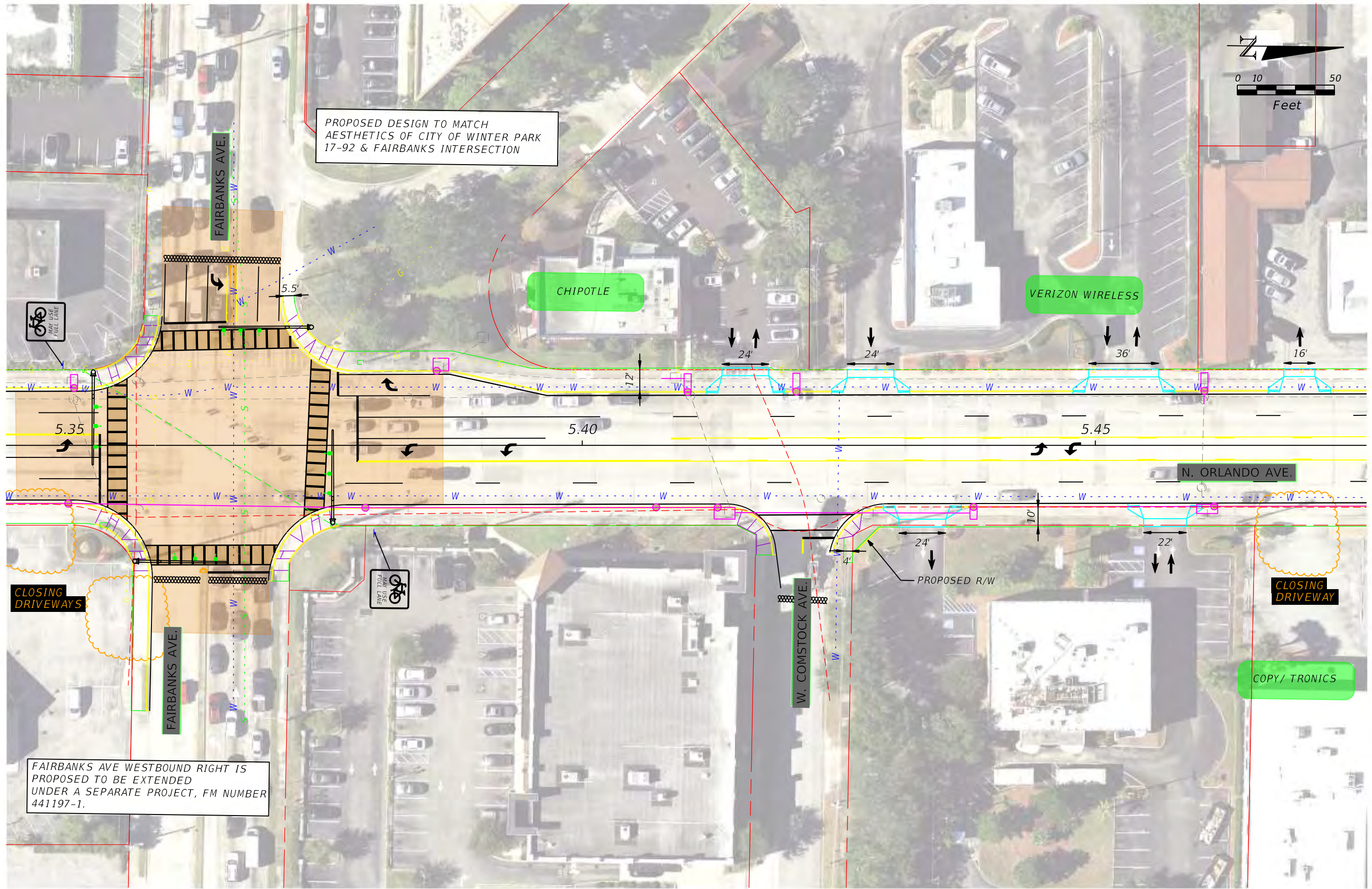
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 15	ORANGE	408429-2

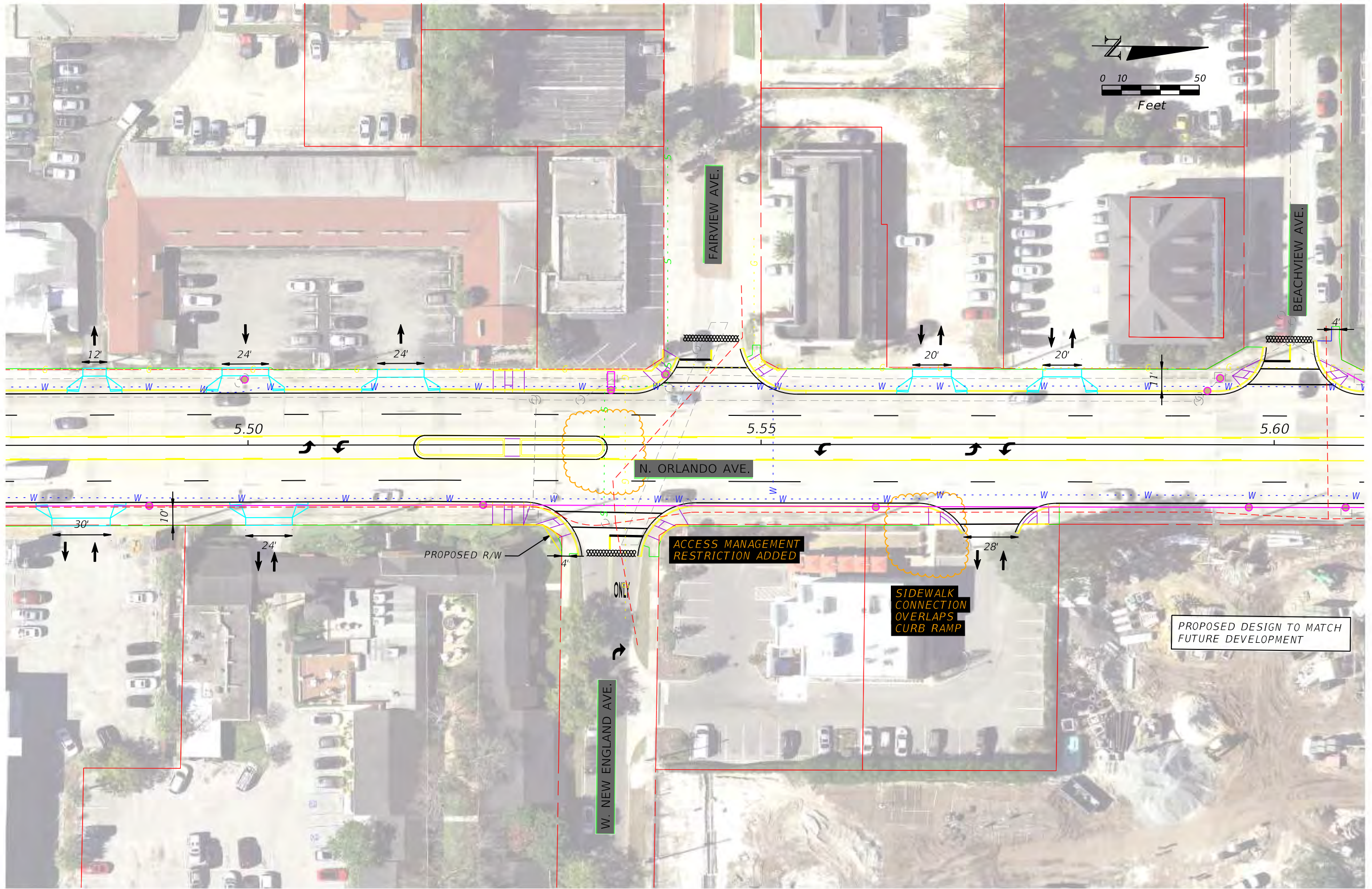
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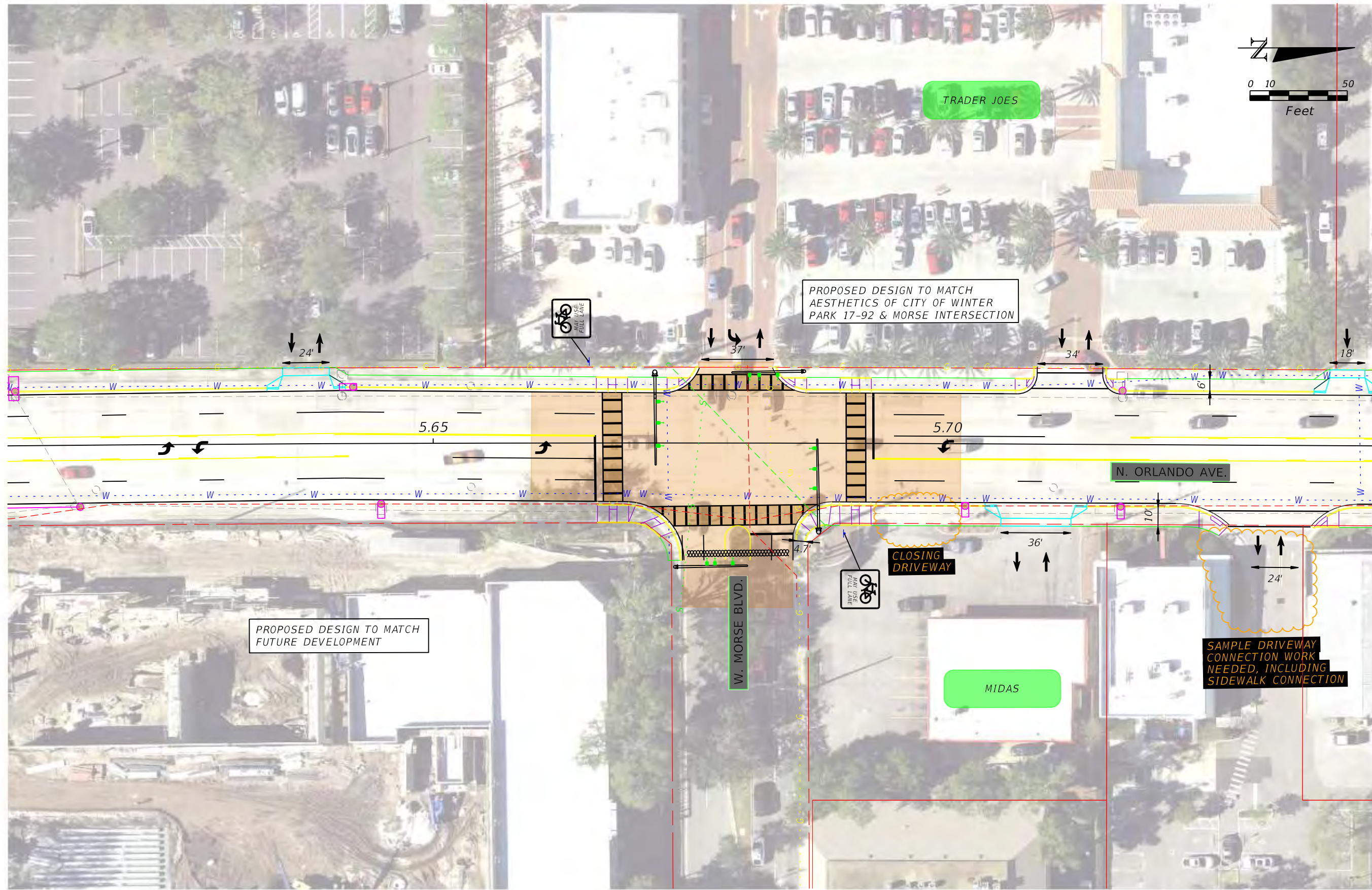
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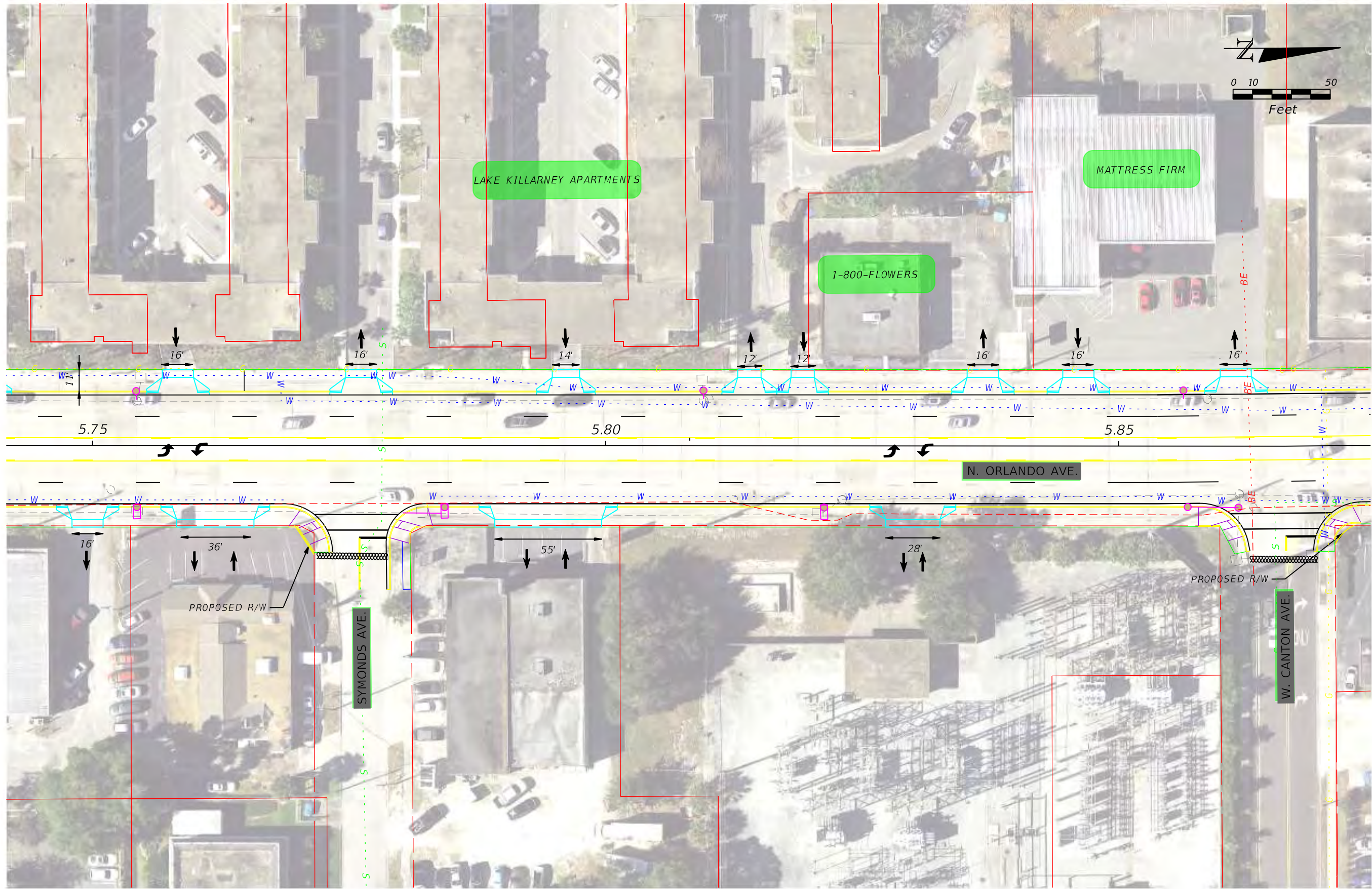
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■	COLORED CONCRETE					



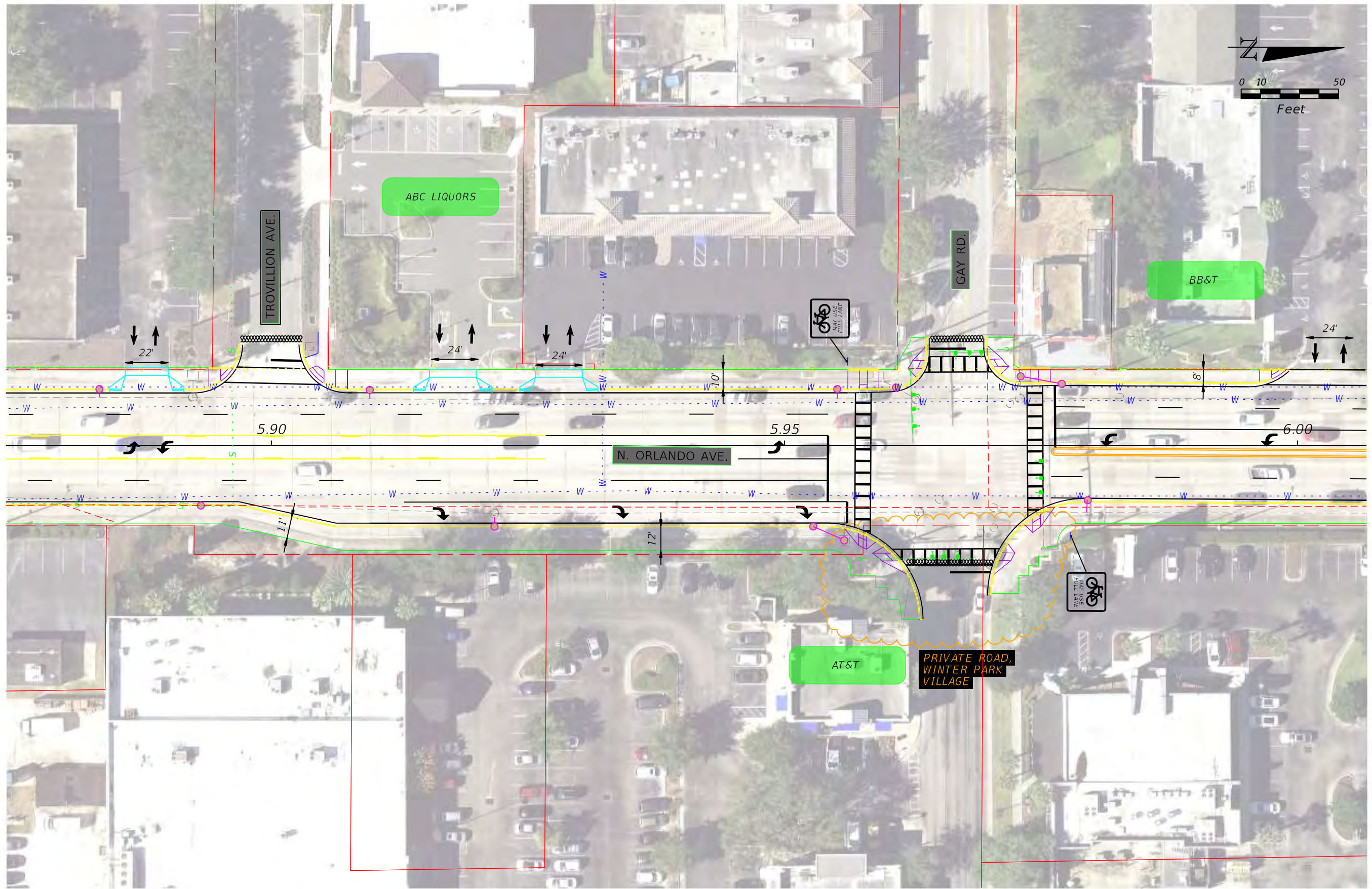
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	CONCRETE GRINDING LIMITS
	COLORLED CONCRETE

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 15	ORANGE	408429-2

SR 15/US 17192 PLAN SHEET	SHEET NO. 9
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LEGEND		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SR 15/US 17192 PLAN SHEET	SHEET NO. 10
	MILLING LIMITS	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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LEGEND

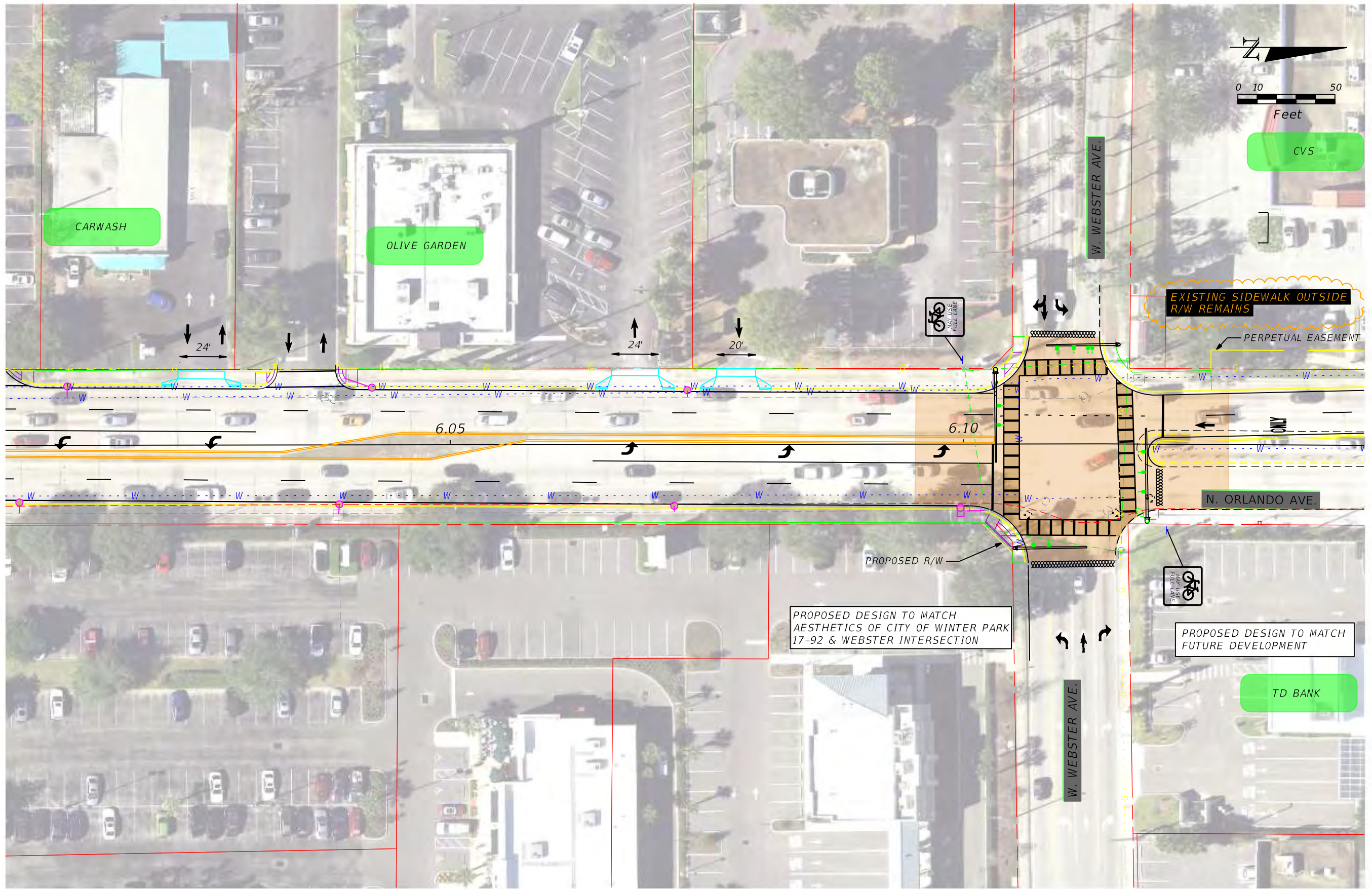
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- COLORED CONCRETE

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 15	ORANGE	408429-2

SR 15/US 17/92
PLAN SHEET

SHEET NO.
11



LEGEND

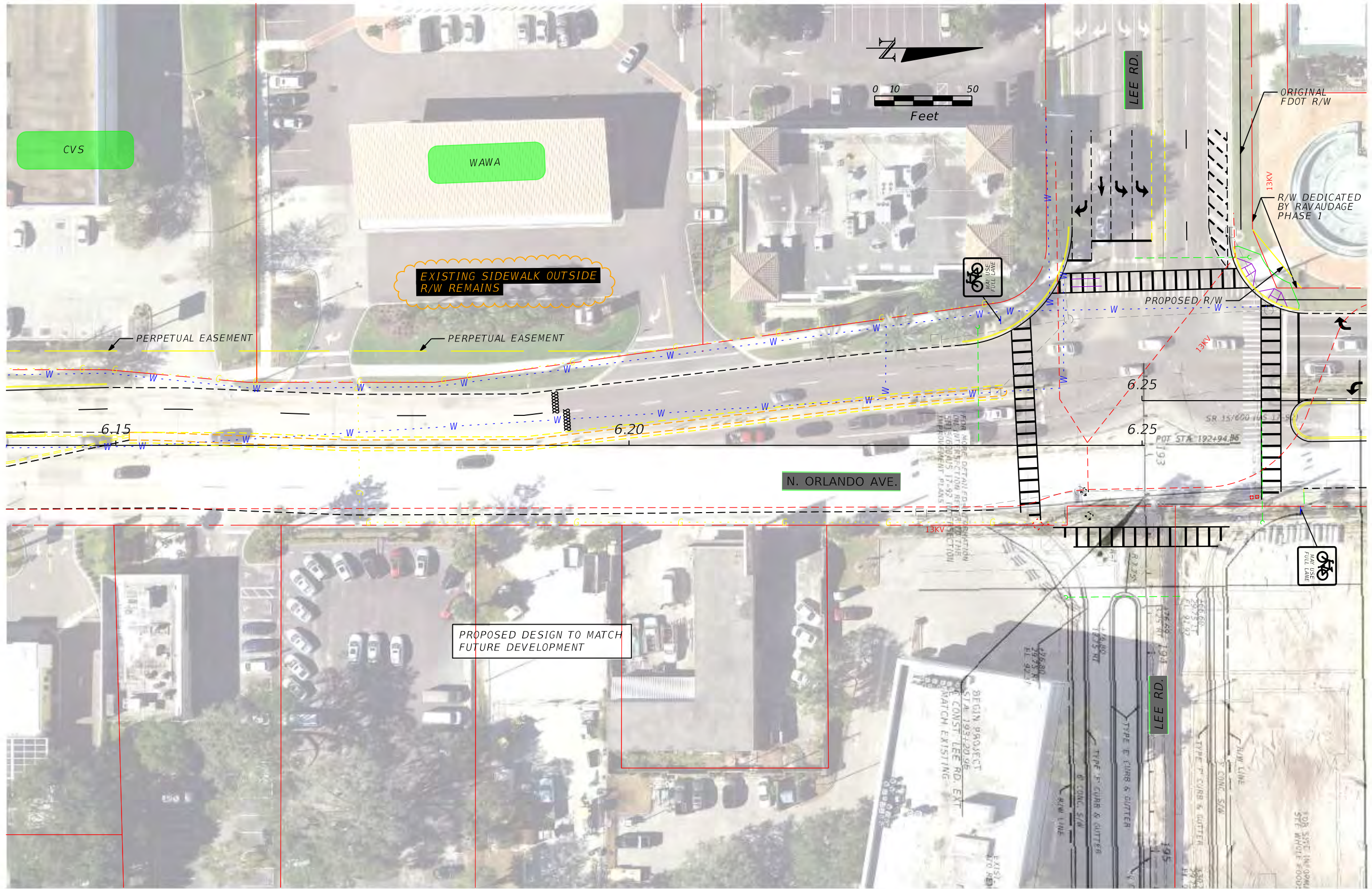
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

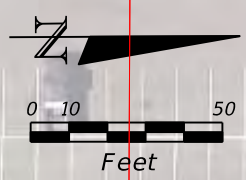
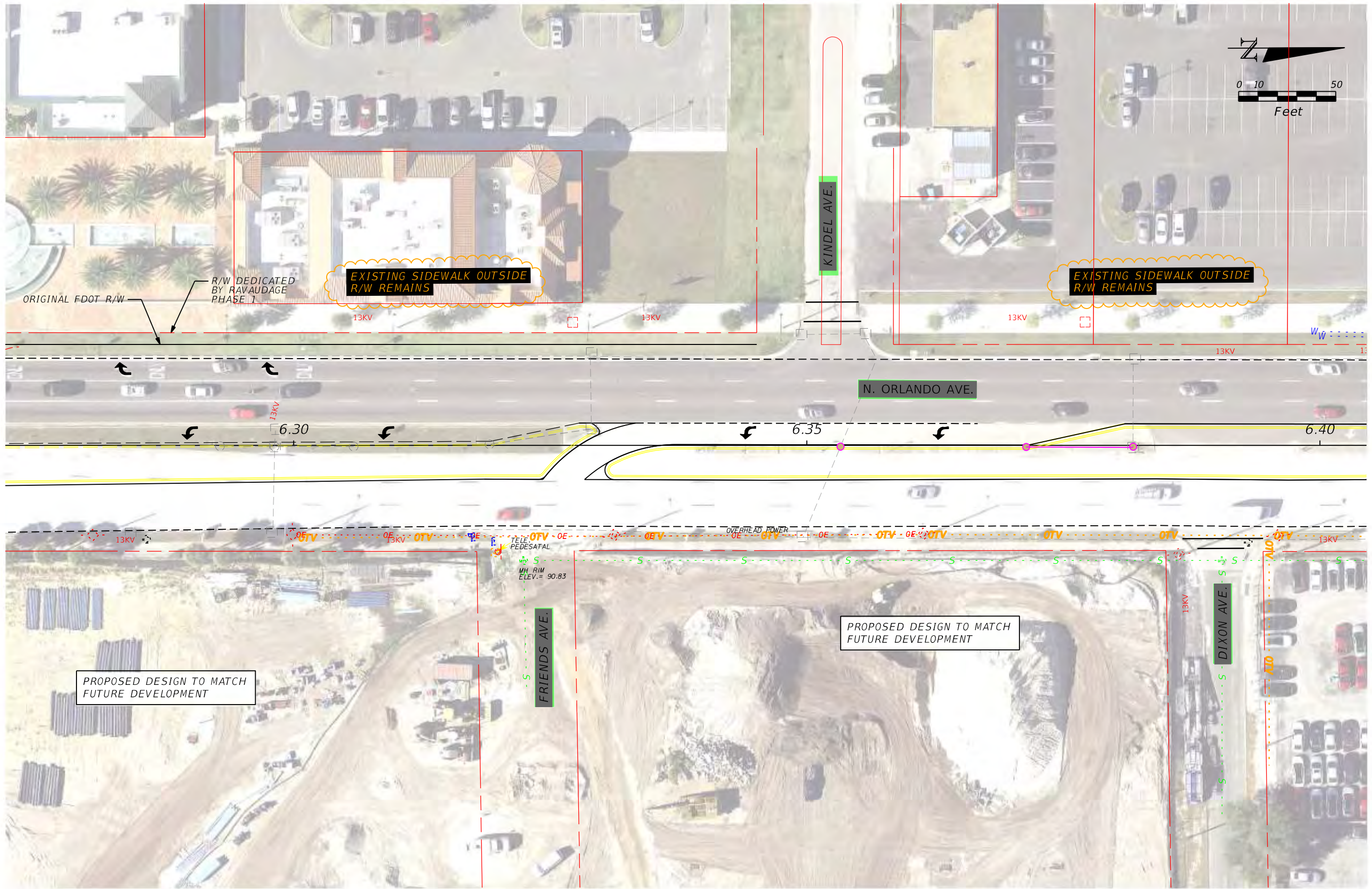
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 15	ORANGE	408429-2

SR 15/US 17192
PLAN SHEET

SHEET NO.
12



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	MILLING LIMITS	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
	CONCRETE GRINDING LIMITS	SR 15	ORANGE	408429-2		
	COLORED CONCRETE					



PROPOSED DESIGN TO MATCH FUTURE DEVELOPMENT

PROPOSED DESIGN TO MATCH FUTURE DEVELOPMENT

EXISTING SIDEWALK OUTSIDE R/W REMAINS

EXISTING SIDEWALK OUTSIDE R/W REMAINS

R/W DEDICATED BY RAVAUDAGE PHASE 1

ORIGINAL FDOT R/W

6.30

6.35

6.40

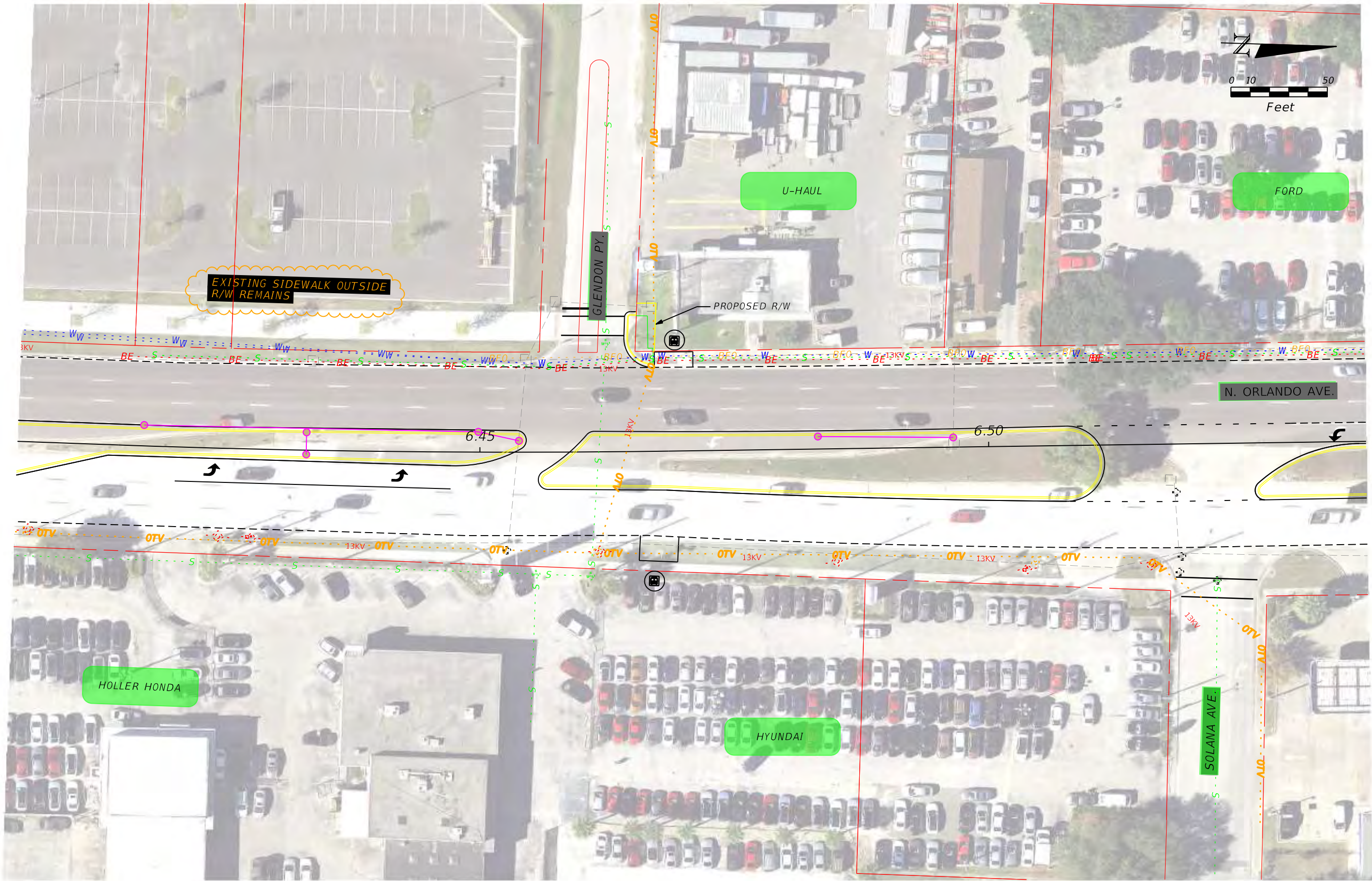
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- MILLING LIMITS
- CONCRETE GRINDING LIMITS
- COLORED CONCRETE

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 15	ORANGE	408429-2

SR 15/US 17192
PLAN SHEET

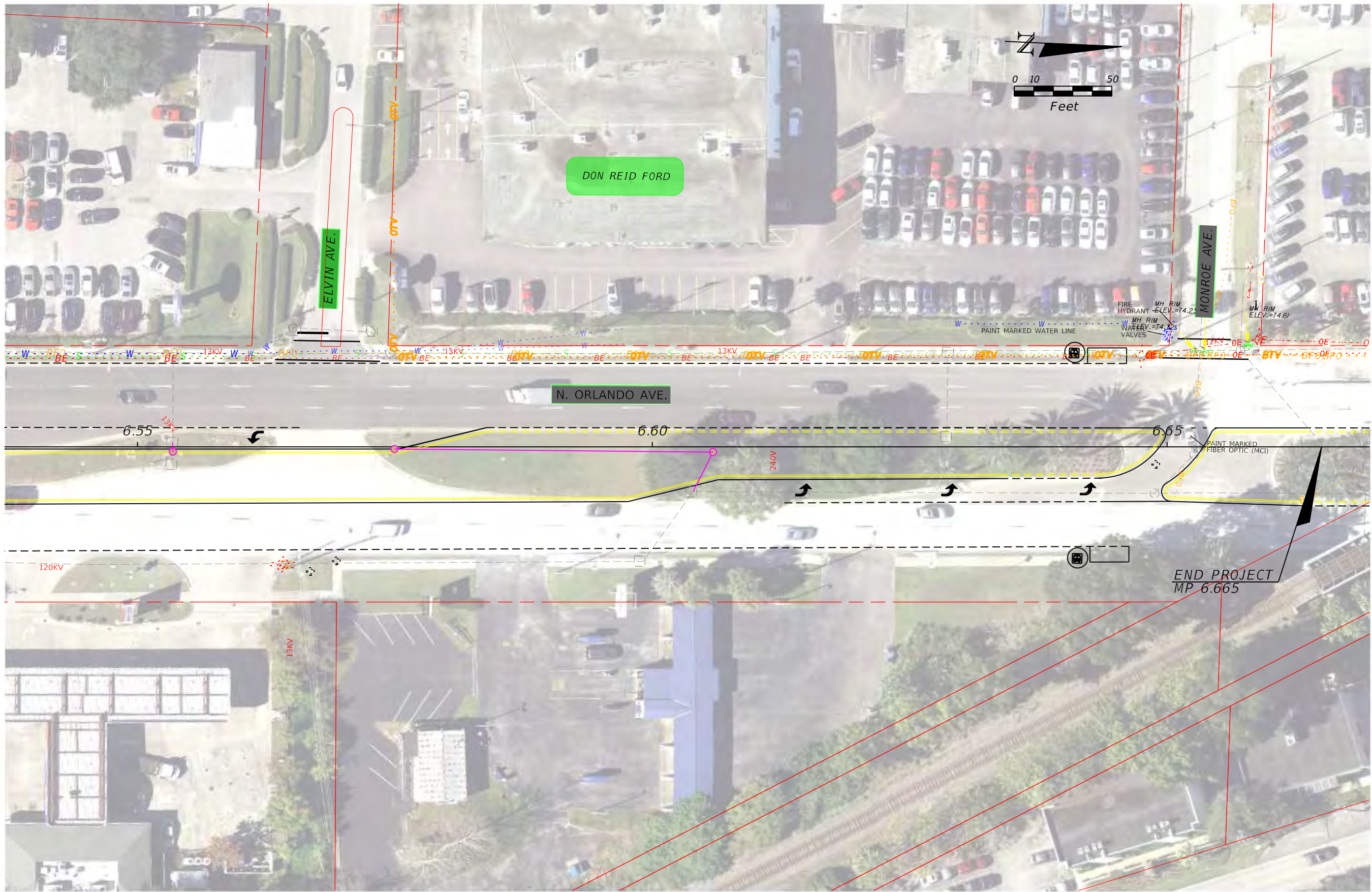
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14



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	COLORED CONCRETE

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 15	ORANGE	408429-2

SR 15/US 17/92 PLAN SHEET	SHEET NO. 15
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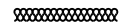

ELVIN AVE.

MONROE AVE.

N. ORLANDO AVE.

END PROJECT
MP 6.665

LEGEND

-  MILLING LIMITS
-  CONCRETE GRINDING LIMITS
-  COLORED CONCRETE

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 15	ORANGE	408429-2

SR 15/US 17192
PLAN SHEET

SHEET NO.
16

Date: 7/13/2017 12:00:32 PM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 408429-2-52-01

Letting Date: 01/2099

Description: SR 15 (US 17/92) Roadway Improvements from Orange Ave. to Monroe Ave.

District: 05 County: 75 ORANGE Market Area: 08 Units: English
 Contract Class: Lump Sum Project: N Design/Build: N Project Length: 1.782 MI

Project Manager: AA/HNTB-MO

Version 2 Project Grand Total**\$12,012,307.09**

Description: Project Cost for FDOT. MP 4.570 to MP 6.150, Orange Ave. To Monroe Ave., narrow roadway, widen sidewalks, and reconstruct raised medians. Updated on 7-13-17

Sequence: 1 WDU - Widen/Resurface, Divided, Urban

Net Length: 1.782 MI
9,409 LF

Description: Project Cost for FDOT. MP 4.881 to MP 6.663, Orange Ave. to Monroe Ave., narrow roadway, widen sidewalks, and reconstruct raised medians.

EARTHWORK COMPONENT**User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	0.00 / 0.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	1.782
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Existing Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Front Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.60	AC	\$25,000.00	\$15,000.00
	Comment: For the removal of existing sidewalk. Concrete pavement and curb and gutter are included under 110-4.				
120-1	REGULAR EXCAVATION	1,000.00	CY	\$5.82	\$5,820.00
120-6	EMBANKMENT	1,300.00	CY	\$11.59	\$15,067.00
Earthwork Component Total					\$35,887.00

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	6
Existing Roadway Pavement Width L/R	0.00 / 0.00
Structural Spread Rate	165
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 0.00
Widened Inside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	275
Widened Friction Course Spread Rate	80

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-4-10	REMOVAL OF EXIST CONC Comment: MP 4.881 to MP 6.120 (1.239 MI) with 11-ft average C&G on both sides.	15,991.00	SY	\$21.94	\$350,842.54
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	1,000.00	SY	\$4.88	\$4,880.00
350-3-5	PLAIN CEMENT CONC PAVT, 8" Comment: 336 SY for roadway median widening. 15% of Grinding area (9750 SY) for reconstructing small remnant slabs at driveways and side streets.	10,086.00	SY	\$96.60	\$974,307.60
350-5	CLEANING & SEALING JOINTS - CONC PVMT	9,408.96	LF	\$2.87	\$27,003.72
350-6	CLEANING & SEALING CRACKS - CONC PVMT	9,408.96	LF	\$3.66	\$34,436.79
352-70	GRINDING CONCRETE PAVT Comment: From MP 4.570 to MP 6.150.	64,918.00	SY	\$5.50	\$357,049.00
710-11-111	PAINTED PAVT MARK,STD,WHITE,SOLID,6" Comment: "For MOT Shifts"	2.74	NM	\$1,050.00	\$2,877.00
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6" Comment: "For MOT Shifts"	2.32	GM	\$425.00	\$986.00
710-11-201	PAINTED PAVT MARK,STD,YELLOW,SOLID,6" Comment: "For MOT Shifts"	3.08	GM	\$1,100.00	\$3,388.00
711-12-131	THERMOPLASTIC, REFURB, WHITE, SKIP, 6"	7.13	GM	\$585.37	\$4,173.69
711-15-201	THERMOPLASTIC, STD-OP,YELLOW, SOLID, 6"	7.13	GM	\$4,084.90	\$29,125.34
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	3.20	GM	\$3,900.65	\$12,482.08
711-16-201	THERMOPLASTIC, STD-OTH,YELLOW, SOLID, 6"	2.10	GM	\$3,858.18	\$8,102.18
713-103-131	PERMANENT TAPE, WHITE,SKIP/D,6" FOR CONC	3.00	GM	\$8,167.35	\$24,502.05
713-103-331	PERMANENT TAPE, BLACK,SKIP/D,6" FOR CONC	3.00	GM	\$7,322.91	\$21,968.73

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	Y
Pavement Type	Concrete
Solid Stripe No. of Paint Applications	0
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	0

Skip Stripe No. of Stripes

4

Roadway Component Total

\$1,856,124.72

SHOULDER COMPONENT**User Input Data**

Description	Value
Existing Total Outside Shoulder Width L/R	12.25 / 12.25
New Total Outside Shoulder Width L/R	4.50 / 4.50
Total Outside Shoulder Perf. Turf Width L/R	2.25 / 2.25
Sidewalk Width L/R	0.00 / 0.00

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
334-1-12	SUPERPAVE ASPHALTIC CONC, TRAFFIC B	55.00	TN	\$150.00	\$8,250.00
	Comment: For reworking of driveways and shoulder to connect back to new sidewalk				
520-1-10	CONCRETE CURB & GUTTER, TYPE F	14,000.00	LF	\$25.00	\$350,000.00
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	6,800.00	SY	\$45.00	\$306,000.00
	Comment: FDOT pays for the first 6-ft of width for sidewalk, where City of Winter Park pays for the remainder. See Sequence #2.				
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	2,580.00	SY	\$55.00	\$141,900.00
527-2	DETECTABLE WARNINGS	980.00	SF	\$30.00	\$29,400.00
570-1-2	PERFORMANCE TURF, SOD	3,000.00	SY	\$2.50	\$7,500.00
	Comment: To rework shoulder for tie-in to sidewalk				

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	14,000.00	LF	\$1.55	\$21,700.00
104-18	INLET PROTECTION SYSTEM	79.00	EA	\$92.99	\$7,346.21
107-1	LITTER REMOVAL	14.92	AC	\$32.74	\$488.48
107-2	MOWING	14.92	AC	\$50.68	\$756.15

Shoulder Component Total

\$873,340.84

MEDIAN COMPONENT**User Input Data**

Description	Value
Total Median Width	12.00
Performance Turf Width	0.00

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	1,800.00	LF	\$22.00	\$39,600.00
520-5-21	TRAF SEP CONC - TYPE II, 4' WIDE	800.00	LF	\$40.00	\$32,000.00

520-70	CONCRETE TRAFFIC SEPARATOR, SP- VAR WIDT	150.00 SY	\$70.00	\$10,500.00
570-1-2	PERFORMANCE TURF, SOD	2,000.00 SY	\$2.50	\$5,000.00
Median Component Total				\$87,100.00

DRAINAGE COMPONENT**X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
425-1-311	INLETS, CURB, TYPE P-1, <10'	40.00	EA	\$5,634.25	\$225,370.00
425-1-321	INLETS, CURB, TYPE P-2, <10'	16.00	EA	\$5,743.95	\$91,903.20
425-1-411	INLETS, CURB TYPE J-1, <10'	48.00	EA	\$7,313.48	\$351,047.04
425-1-421	INLETS, CURB, TYPE J-2, <10'	6.00	EA	\$6,531.42	\$39,188.52
425-2-61	MANHOLES, P-8, <10'	15.00	EA	\$3,715.82	\$55,737.30
425-2-63	MANHOLES, P-8, PARTIAL	20.00	EA	\$2,862.54	\$57,250.80
430-175-118	PIPE CULV, OPT MATL, ROUND, 18"S/CD	1,152.00	LF	\$75.00	\$86,400.00
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	1,200.00	LF	\$85.00	\$102,000.00
430-175-130	PIPE CULV, OPT MATL, ROUND, 30"S/CD	1,800.00	LF	\$105.00	\$189,000.00
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	2,800.00	LF	\$120.00	\$336,000.00
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	72.00	LF	\$168.28	\$12,116.16
430-830	PIPE FILLING AND PLUGGING	32.00	CY	\$302.61	\$9,683.52
446-1-1	EDGEDRAIN DRAINCRETE, STANDARD	14,000.00	LF	\$27.21	\$380,940.00
446-71-1	EDGEDRAIN OUTLET PIPE, 4"	100.00	LF	\$34.89	\$3,489.00
Drainage Component Total					\$1,940,125.54

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	38.00	AS	\$400.00	\$15,200.00
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	4.00	AS	\$1,200.00	\$4,800.00
700-1-50	SINGLE POST SIGN, RELOCATE	4.00	AS	\$200.00	\$800.00
700-1-60	SINGLE POST SIGN, REMOVE	38.00	AS	\$30.00	\$1,140.00
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	4.00	AS	\$4,500.00	\$18,000.00
700-2-60	MULTI- POST SIGN, REMOVE	4.00	AS	\$500.00	\$2,000.00
Signing Component Total					\$41,940.00

SIGNALIZATIONS COMPONENT**Signalization 1**

Description	Value
Type	2 Lane Mast Arm
Multiplier	1

Description
Gay Road Modifications,
includes all Pedestrian Signals
on corridor

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	4,900.00 LF	\$8.00	\$39,200.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	28.00 EA	\$595.85	\$16,683.80

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
646-1-30	ALUMINUM SIGNALS POLE, INSTALL	50.00 EA	\$798.93	\$39,946.50
646-1-60	ALUMINUM SIGNALS POLE, REMOVE	50.00 EA	\$206.04	\$10,302.00
650-1-16	TRAFFIC SIGNAL,F&I ALUMINUM, 4 S 1 W	4.00 AS	\$1,201.98	\$4,807.92
650-1-70	TRAFFIC SIGNAL, RELOCATE	8.00 AS	\$392.27	\$3,138.16
650-2-102	VEHIC SIGNAL AUX, REP/RETROFIT- F&I, BAC	12.00 EA	\$245.69	\$2,948.28
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	50.00 AS	\$631.66	\$31,583.00
660-4-12	VEHICLE DETECTION SYSTEM- VIDEO, ABOVE G	1.00 EA	\$3,032.64	\$3,032.64
660-4-51	VEHICLE DETECTION SYSTEM- VIDEO, CABINET	1.00 EA	\$1,500.00	\$1,500.00
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	50.00 EA	\$252.10	\$12,605.00
671-2-40	TRAFFIC CONTROLLER, MODIFY	2.00 EA	\$1,465.18	\$2,930.36
Signalizations Component Total				\$168,677.66

LIGHTING COMPONENT**Conventional Lighting Subcomponent**

Description	Value			
Spacing	MIN			
Pay Items				
Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	7,000.00 LF	\$8.00	\$56,000.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	2,000.00 LF	\$20.05	\$40,100.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	58.00 EA	\$595.85	\$34,559.30
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	28,000.00 LF	\$2.03	\$56,840.00
715-4-13	LIGHT POLE COMPLETE, F&I- STD, 40'	58.00 EA	\$4,500.00	\$261,000.00
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	58.00 EA	\$517.70	\$30,026.60
Subcomponent Total				\$478,525.90
Lighting Component Total				\$478,525.90

Sequence 1 Total	\$5,481,721.66
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Sequence: 2 WDU - Widen/Resurface, Divided, Urban**Net Length:** 1.782 MI
9,409 LF**Description:** Project Cost for City of Winter Park**SHOULDER COMPONENT****User Input Data**

Description	Value
Existing Total Outside Shoulder Width L/R	0.00 / 0.00
New Total Outside Shoulder Width L/R	7.25 / 7.25
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Sidewalk Width L/R	5.00 / 5.00

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" Comment: City of Winter Park is to pay for the additional sidewalk beyond the 6-ft width.	5,267.00 SY	\$45.00	\$237,015.00

Shoulder Component Total	\$237,015.00
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Sequence 2 Total	\$237,015.00
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Sequence: 3 MIS - Miscellaneous Construction**Net Length:** 0.000 MI
0 LF**Description:** Mast Arms for Orange Ave and Minnesota Ave**SIGNALIZATIONS COMPONENT****Signalization 1**

Description	Value
Type	2 Lane Mast Arm
Multiplier	1
Description	Orange Avenue

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	800.00	LF	\$8.00	\$6,400.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	200.00	LF	\$20.05	\$4,010.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$4,346.37	\$4,346.37
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	12.00	EA	\$595.85	\$7,150.20
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$1,832.30	\$1,832.30
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$4.35	\$261.00
650-1-14	TRAFFIC SIGNAL,F&I ALUMINUM, 3 S 1 W	8.00	AS	\$936.39	\$7,491.12
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	\$20,198.77	\$20,198.77
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00	EA	\$185.03	\$740.12

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
641-2-80	PREST CNC POLE, REMOVE COMPLETE	2.00	EA	\$3,304.40	\$6,608.80
649-21-6	STEEL MAST ARM ASSEMBLY, F&I, 50'	2.00	EA	\$34,480.00	\$68,960.00
649-21-21	STEEL MAST ARM ASSEMBLY, F&I, 78'	1.00	EA	\$40,000.00	\$40,000.00
650-1-16	TRAFFIC SIGNAL,F&I ALUMINUM, 4 S 1 W	4.00	AS	\$1,201.98	\$4,807.92
660-4-12	VEHICLE DETECTION SYSTEM-VIDEO, ABOVE G	1.00	EA	\$3,032.64	\$3,032.64
660-4-51	VEHICLE DETECTION SYSTEM-VIDEO, CABINET	1.00	EA	\$1,500.00	\$1,500.00

Signalization 2

Description	Value
Type	2 Lane Mast Arm
Multiplier	1
Description	Minnesota Avenue

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	800.00	LF	\$8.00	\$6,400.00

630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	200.00 LF	\$20.05	\$4,010.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00 PI	\$4,346.37	\$4,346.37
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	12.00 EA	\$595.85	\$7,150.20
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00 AS	\$1,832.30	\$1,832.30
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00 LF	\$4.35	\$261.00
650-1-14	TRAFFIC SIGNAL,F&I ALUMINUM, 3 S 1 W	8.00 AS	\$936.39	\$7,491.12
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00 AS	\$20,198.77	\$20,198.77
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00 EA	\$185.03	\$740.12

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
641-2-80	PREST CNC POLE, REMOVE COMPLETE	4.00	EA	\$3,304.40	\$13,217.60
649-21-6	STEEL MAST ARM ASSEMBLY, F&I, 50'	2.00	EA	\$34,480.00	\$68,960.00
649-21-21	STEEL MAST ARM ASSEMBLY, F&I, 78'	2.00	EA	\$40,000.00	\$80,000.00
650-1-16	TRAFFIC SIGNAL,F&I ALUMINUM, 4 S 1 W	4.00	AS	\$1,201.98	\$4,807.92
660-4-12	VEHICLE DETECTION SYSTEM-VIDEO, ABOVE G	1.00	EA	\$3,032.64	\$3,032.64
660-4-51	VEHICLE DETECTION SYSTEM-VIDEO, CABINET	1.00	EA	\$1,500.00	\$1,500.00
Signalizations Component Total					\$401,287.28

Sequence 3 Total **\$401,287.28**

Sequence: 4 MIS - Miscellaneous Construction**Net Length:** 0.000 MI
0 LF**Description:** Fairbanks Avenue**ROADWAY COMPONENT****X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-4-10	REMOVAL OF EXIST CONC	2,900.00 SY	\$21.94	\$63,626.00
350-3-5	PLAIN CEMENT CONC PAVT, 8"	2,714.00 SY	\$96.60	\$262,172.40
520-2-5	CONCRETE CURB, RIBBON CURB REP	893.00 LF	\$28.94	\$25,843.42
Roadway Component Total				\$351,641.82

SIGNALIZATIONS COMPONENT**Signalization 1**

Description	Value
Type	2 Lane Mast Arm
Multiplier	1
Description	

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	800.00 LF	\$8.00	\$6,400.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	200.00 LF	\$20.05	\$4,010.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00 PI	\$4,346.37	\$4,346.37
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	12.00 EA	\$595.85	\$7,150.20
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00 AS	\$1,832.30	\$1,832.30
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00 LF	\$4.35	\$261.00
650-1-14	TRAFFIC SIGNAL,F&I ALUMINUM, 3 S 1 W	8.00 AS	\$936.39	\$7,491.12
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00 AS	\$20,198.77	\$20,198.77
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00 EA	\$185.03	\$740.12

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
641-2-80	PREST CNC POLE, REMOVE COMPLETE	2.00 EA	\$3,304.40	\$6,608.80
649-21-6	STEEL MAST ARM ASSEMBLY, F&I, 50'	2.00 EA	\$34,480.00	\$68,960.00
649-21-21	STEEL MAST ARM ASSEMBLY, F&I, 78'	2.00 EA	\$40,000.00	\$80,000.00
650-1-16	TRAFFIC SIGNAL,F&I ALUMINUM, 4 S 1 W	4.00 AS	\$1,201.98	\$4,807.92
660-4-12	VEHICLE DETECTION SYSTEM- VIDEO, ABOVE G	1.00 EA	\$3,032.64	\$3,032.64
660-4-51	VEHICLE DETECTION SYSTEM- VIDEO, CABINET	1.00 EA	\$1,500.00	\$1,500.00

Signalizations Component Total \$217,339.24

MISCELLANEOUS COMPONENT**EX-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
E099-1	LUMP SUM	1.00	LS	\$616,802.00	\$616,802.00
	Comment: Includes Items C, D, & E from Winter Park CRA Concept Estimates dated 1/20/2015				

Miscellaneous Component Total					\$616,802.00
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Sequence 4 Total					\$1,185,783.06
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Sequence: 5 MIS - Miscellaneous Construction**Net Length:** 0.000 MI
0 LF**Description:** Morse Avenue**ROADWAY COMPONENT****X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-4-10	REMOVAL OF EXIST CONC	1,650.00 SY	\$21.94	\$36,201.00
350-3-5	PLAIN CEMENT CONC PAVT, 8"	1,822.00 SY	\$96.60	\$176,005.20
520-2-5	CONCRETE CURB, RIBBON CURB REP	600.00 LF	\$28.94	\$17,364.00
Roadway Component Total				\$229,570.20

SIGNALIZATIONS COMPONENT**Signalization 1**

Description	Value
Type	2 Lane Mast Arm
Multiplier	1
Description	

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	800.00 LF	\$8.00	\$6,400.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	200.00 LF	\$20.05	\$4,010.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00 PI	\$4,346.37	\$4,346.37
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	12.00 EA	\$595.85	\$7,150.20
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00 AS	\$1,832.30	\$1,832.30
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00 LF	\$4.35	\$261.00
650-1-14	TRAFFIC SIGNAL,F&I ALUMINUM, 3 S 1 W	8.00 AS	\$936.39	\$7,491.12
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00 AS	\$20,198.77	\$20,198.77
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00 EA	\$185.03	\$740.12

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
641-2-80	PREST CNC POLE, REMOVE COMPLETE	2.00 EA	\$3,304.40	\$6,608.80
649-21-6	STEEL MAST ARM ASSEMBLY, F&I, 50'	2.00 EA	\$34,480.00	\$68,960.00
649-21-21	STEEL MAST ARM ASSEMBLY, F&I, 78'	2.00 EA	\$40,000.00	\$80,000.00
650-1-16	TRAFFIC SIGNAL,F&I ALUMINUM, 4 S 1 W	4.00 AS	\$1,201.98	\$4,807.92
650-2-102	VEHIC SIGNAL AUX, REP/RETROFIT- F&I, BAC	10.00 EA	\$245.69	\$2,456.90
660-4-12		1.00 EA	\$3,032.64	\$3,032.64

660-4-51	VEHICLE DETECTION SYSTEM- VIDEO, ABOVE G				
	VEHICLE DETECTION SYSTEM- VIDEO, CABINET	1.00	EA	\$1,500.00	\$1,500.00

Signalizations Component Total \$219,796.14

MISCELLANEOUS COMPONENT

EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
E099-1	LUMP SUM	1.00	LS	\$196,887.00	\$196,887.00
	Comment: Includes Items C, D, & E from Winter Park CRA Concept Estimates dated 1/20/2015				

Miscellaneous Component Total \$196,887.00

Sequence 5 Total \$646,253.34

Sequence: 6 MIS - Miscellaneous Construction**Net Length:** 0.000 MI
0 LF**Description:** Webster Avenue**ROADWAY COMPONENT****X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-4-10	REMOVAL OF EXIST CONC	2,050.00 SY	\$21.94	\$44,977.00
350-3-5	PLAIN CEMENT CONC PAVT, 8"	1,495.00 SY	\$96.60	\$144,417.00
520-2-5	CONCRETE CURB, RIBBON CURB REP	685.00 LF	\$28.94	\$19,823.90
Roadway Component Total				\$209,217.90

SIGNALIZATIONS COMPONENT**Signalization 1**

Description	Value
Type	2 Lane Mast Arm
Multiplier	1
Description	

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	800.00 LF	\$8.00	\$6,400.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	200.00 LF	\$20.05	\$4,010.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00 PI	\$4,346.37	\$4,346.37
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	12.00 EA	\$595.85	\$7,150.20
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00 AS	\$1,832.30	\$1,832.30
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00 LF	\$4.35	\$261.00
650-1-14	TRAFFIC SIGNAL,F&I ALUMINUM, 3 S 1 W	9.00 AS	\$936.39	\$8,427.51
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00 AS	\$20,198.77	\$20,198.77
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00 EA	\$185.03	\$740.12

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
641-2-80	PREST CNC POLE, REMOVE COMPLETE	4.00 EA	\$3,304.40	\$13,217.60
649-21-6	STEEL MAST ARM ASSEMBLY, F&I, 50'	2.00 EA	\$34,480.00	\$68,960.00
649-21-21	STEEL MAST ARM ASSEMBLY, F&I, 78'	2.00 EA	\$40,000.00	\$80,000.00
650-1-19	TRAFFIC SIGNAL,F&I ALUMINUM, 5 S CL 1 W	1.00 AS	\$1,737.89	\$1,737.89
650-2-102	VEHIC SIGNAL AUX, REP/RETROFIT- F&I, BAC	8.00 EA	\$245.69	\$1,965.52
660-4-12		1.00 EA	\$3,032.64	\$3,032.64

660-4-51	VEHICLE DETECTION SYSTEM- VIDEO, ABOVE G				
	VEHICLE DETECTION SYSTEM- VIDEO, CABINET	1.00 EA	\$1,500.00	\$1,500.00	

Signalizations Component Total \$223,779.92

MISCELLANEOUS COMPONENT

EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
E099-1	LUMP SUM	1.00	LS	\$162,102.00	\$162,102.00
	Comment: Includes Items C, D, & E from Winter Park CRA Concept Estimates dated 1/20/2015				

Miscellaneous Component Total \$162,102.00

Sequence 6 Total \$595,099.82

Date: 7/13/2017 12:00:34 PM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 408429-2-52-01

Letting Date: 01/2099

Description: SR 15 (US 17/92) Roadway Improvements from Orange Ave. to Monroe Ave.

District: 05

County: 75 ORANGE

Market Area: 08

Units: English

Contract Class: Lump Sum Project: N

Design/Build: N

Project Length: 1.782 MI

Project Manager: AA/HNTB-MO

Version 2 Project Grand Total**\$12,012,307.09**

Description: Project Cost for FDOT. MP 4.570 to MP 6.150, Orange Ave. To Monroe Ave., narrow roadway, widen sidewalks, and reconstruct raised medians. Updated on 7-13-17

Project Sequences Subtotal **\$8,547,160.16**

102-1	Maintenance of Traffic	15.00 %	\$1,282,074.02
101-1	Mobilization	10.00 %	\$982,923.42

Project Sequences Total **\$10,812,157.60**

Project Unknowns	10.00 %	\$1,081,215.76
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Justification for high %: Multiple phase shifts to accomplish drainage/utility reconstruction under concrete pavement. Low production rates due to restricted urban corridor.

Design/Build	0.00 %	\$0.00
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Non-Bid Components:

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
999-25	INITIAL CONTINGENCY AMOUNT (DO NOT BID)		LS	\$118,933.73	\$118,933.73

Project Non-Bid Subtotal **\$118,933.73**
Version 2 Project Grand Total**\$12,012,307.09**

408429-2 SR 600 (US 17-92) Winter Park

Summary of LRE and Distribution of Cost

Note: The latest LRE is Version 2.

Sequence	Description & Notes	FDOT Portion	City Portion	Total
1	MP 4.8 to 6.6. Projectwide changes to the typical section. Includes the first 6' width of sidewalk, all pedestrian signals, curb ramps, drainage that are essential to the project. Includes Gay Road signal modifications and all corridor lighting.	\$ 5,481,721.66	\$ -	\$ 5,481,721.66
2	Corridor wide, additional 5-ft of sidewalk per side.	\$ -	\$ 237,015.00	\$ 237,015.00
3	Signal Reconstruction for Orange Avenue and Minnesota Avenue. These signals would both be reconstructed by FDOT as box spans, City is responsible for the difference for mast arms.	\$ 287,537.28	\$ 113,750.00	\$ 401,287.28
4	Fairbanks Avenue Intersection - Aesthetics. FDOT portion includes cost of the signal reconstruction with strain poles only. City is responsible for the difference for mast arms.	\$ 160,000.00	\$ 1,025,783.06	\$ 1,185,783.06
5	Morse Avenue Intersection - Aesthetics. FDOT portion includes cost of the signal reconstruction with strain poles only. City is responsible for the difference for mast arms.	\$ 160,000.00	\$ 486,253.34	\$ 646,253.34
6	Webster Avenue Intersection - Aesthetics. This signal does not require reconstruction to accommodate the proposed configuration, thus the City is responsible for the entire signal cost.	\$ -	\$ 595,099.82	\$ 595,099.82
	Subtotal A	\$ 6,089,258.94	\$ 2,457,901.22	\$ 8,547,160.16
	102-1 Maintenance of Traffic (15%)	\$ 913,388.84	\$ 368,685.18	\$ 1,282,074.02
	101-1 Mobilization (10%)	\$ 700,264.78	\$ 282,658.64	\$ 982,923.42
	Subtotal B	\$ 7,702,912.56	\$ 3,109,245.04	\$ 10,812,157.60
	Project Unknowns (10%)	\$ 770,291.26	\$ 310,924.50	\$ 1,081,215.76
	999-25 Initial Contingency	\$ 118,933.73	\$ -	\$ 118,933.73
	Grand Total	\$ 8,592,137.55	\$ 3,420,169.55	\$ 12,012,307.09

Notes:

Sequences 4, 5 & 6: This includes all work shown on the City of Winter Park's CRA Concepts dated 1/20/2015 that are in addition to the base items covered in Sequence 1. Curb, sidewalk, pedestrian signals are not included in the City portion as they are accounted for in Sequence 1.

The unfactored cost of the signal rebuilds as strain poles is \$160,000. The upgrade to mast arms is estimated as \$65,000 per intersection (\$16,250/pole).

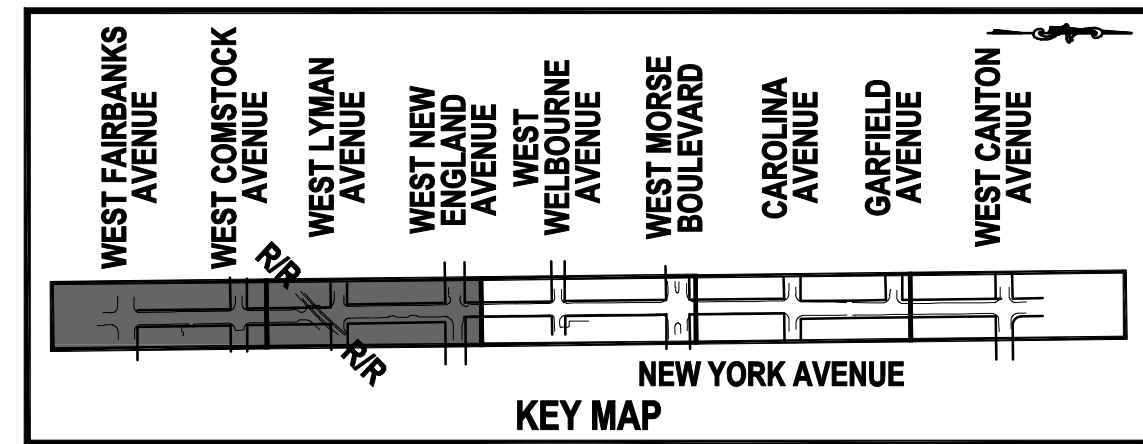
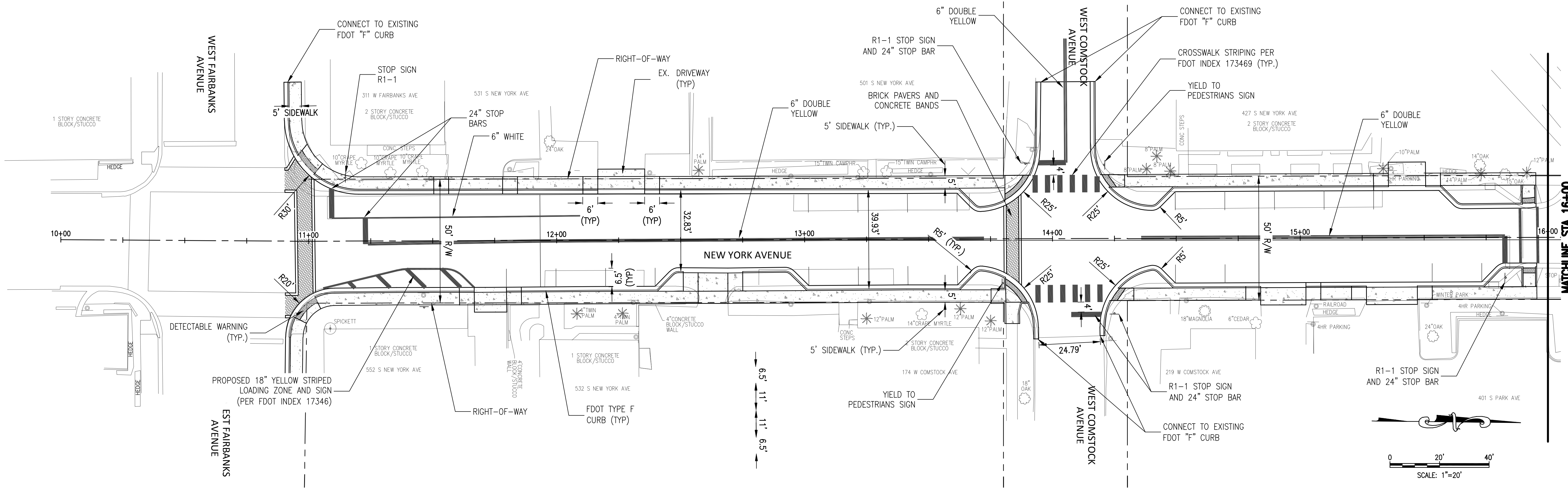
winter park



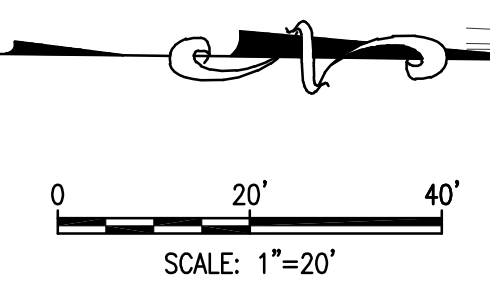
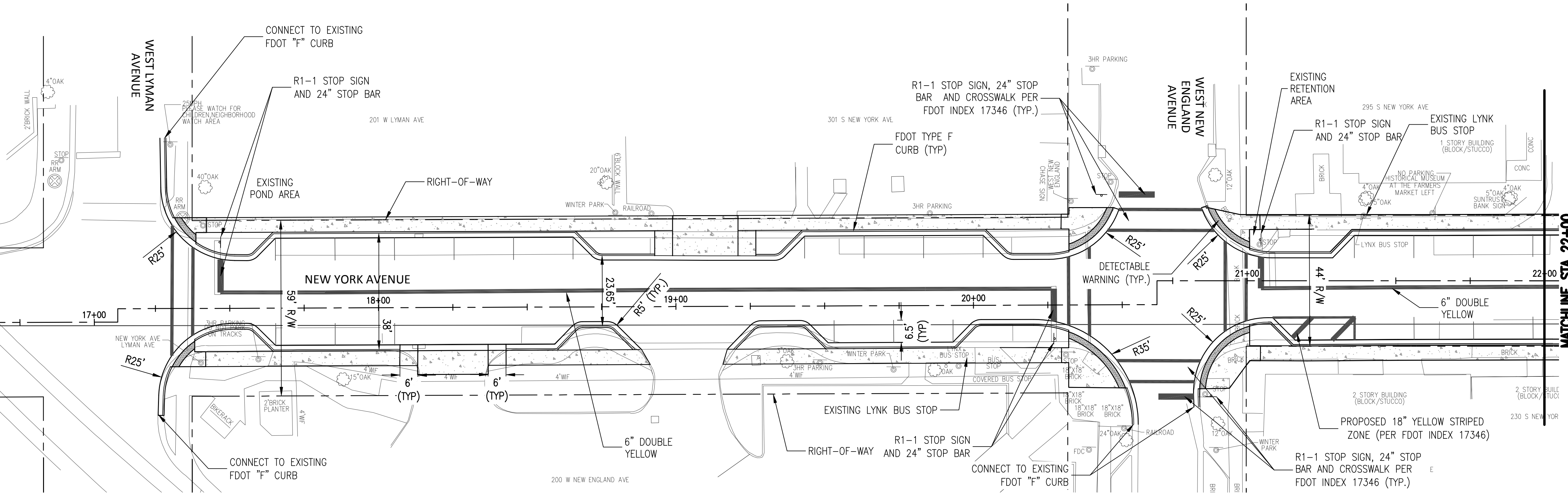
ATTACHMENT 2B
NEW YORK AVENUE

community
redevelopment
agency

Z:\ComDev\2016\14161412.00 - New York Ave Streetscape\CAD\Civil\Production Drawings\14161412_00 - SP.dwg C3.00 SITE AND SIGNAGE PLAN // 2017/06/16 4:16 PM Givvy Zapata



NOTE:
REFER TO SURVEY FOR EXISTING CONDITIONS LEGEND AND ABBREVIATIONS.



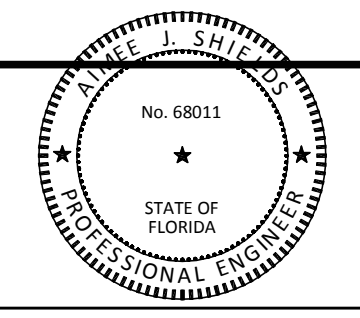
REVISIONS

REV	DATE	BY	DESCRIPTION

gai consultants
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618 South Street, Suite 700
Orlando, FL 32801
407.423.8398
Certificate of Authorization: EB9951



City of Winter Park
Planning and Development
401 South Park Avenue
Winter Park, Florida 32789
407.599.3399



AIMEE J. SHIELDS, P.E. Lic. No. 68011

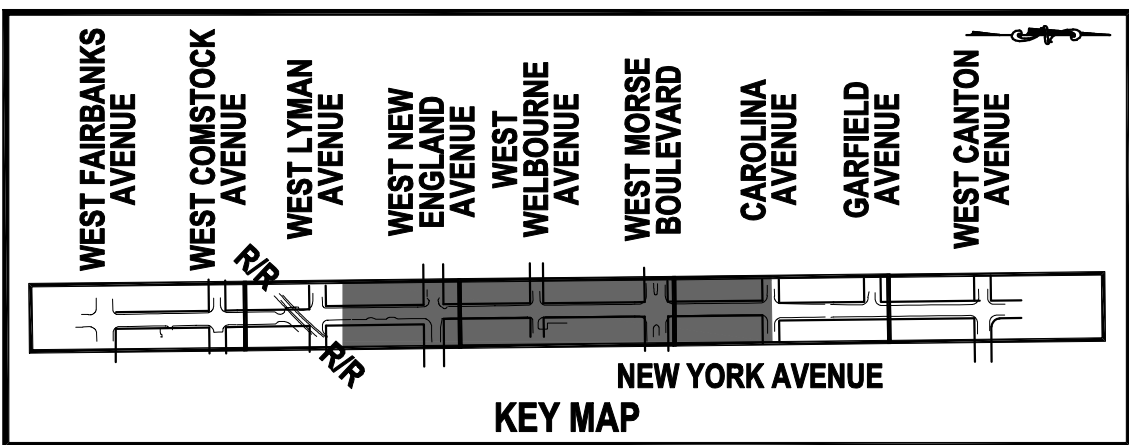
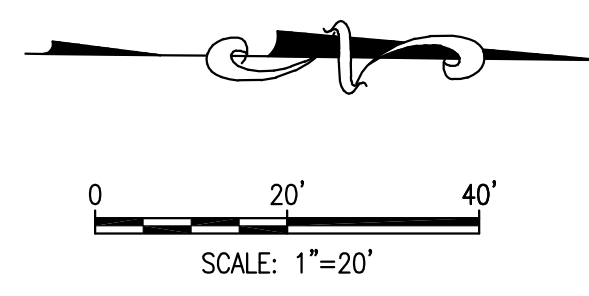
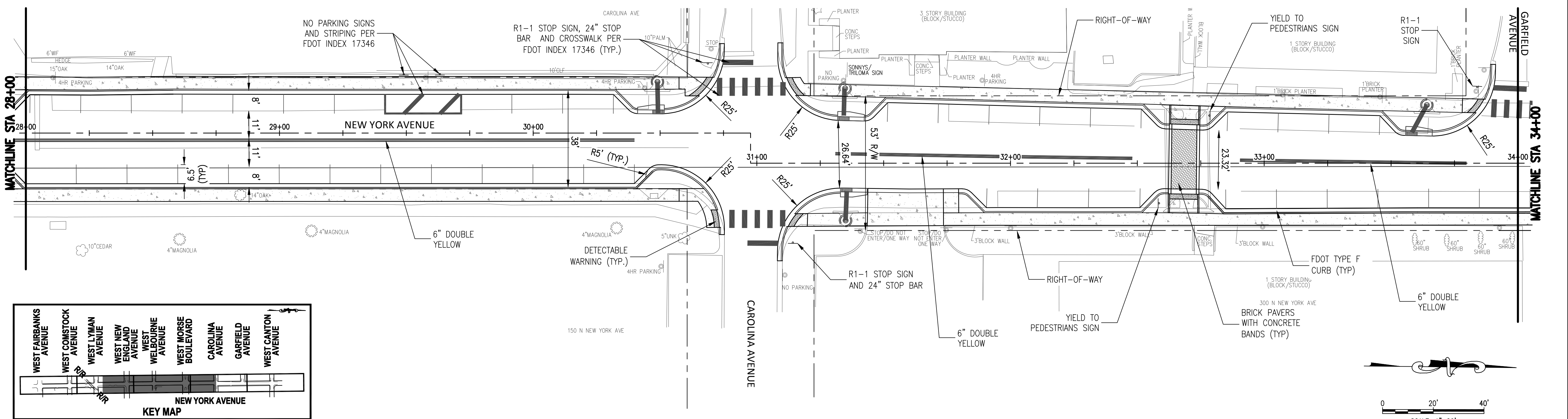
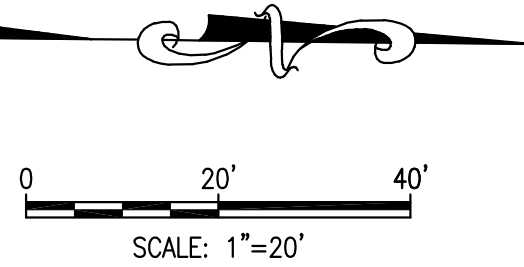
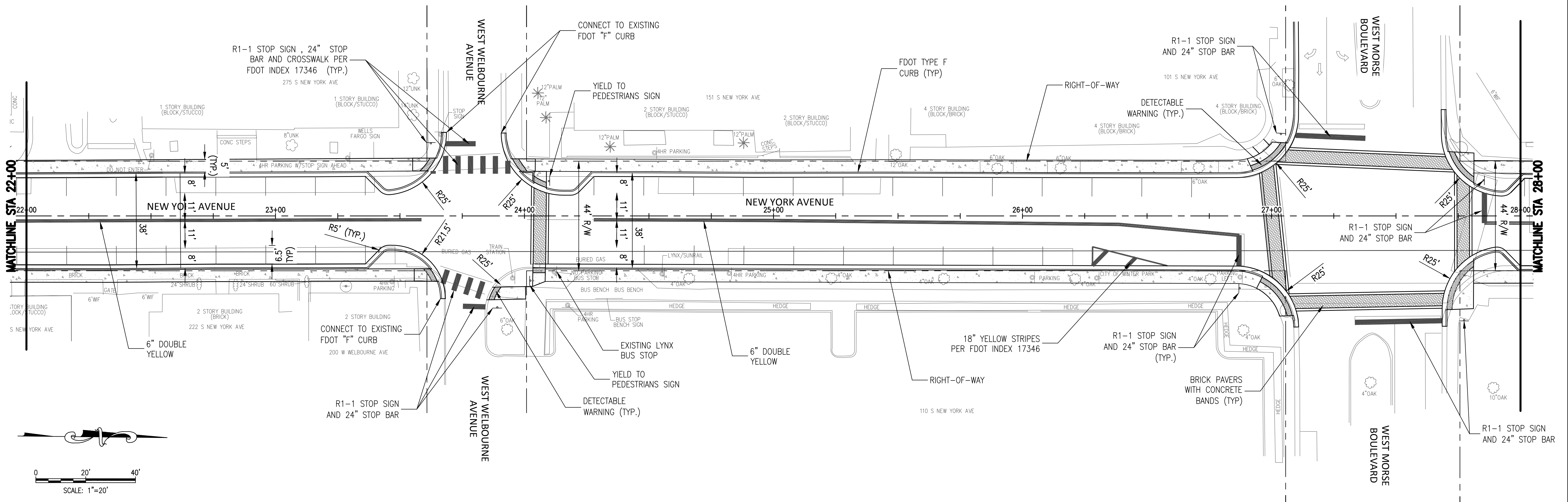
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APPROVED:	AJS

PROJECT NO./
FB NO.
A161412.00
Unless otherwise noted all dimensions are based on physical measurements and are expressed in feet and decimal parts thereof unless otherwise noted. Monumentation was found at points where indicated.

SITE AND SIGNAGE PLAN
NEW YORK AVENUE - ROADWAY IMPROVEMENTS
CITY OF WINTER PARK, FLORIDA

SHEET NO.
C3.00

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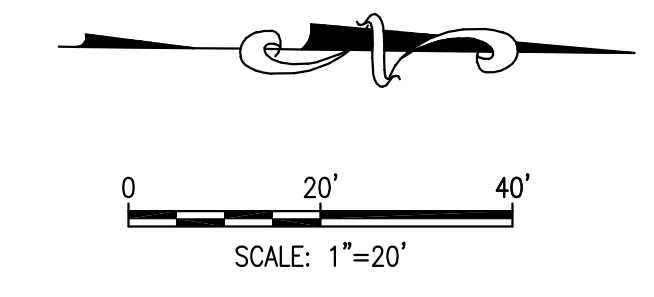
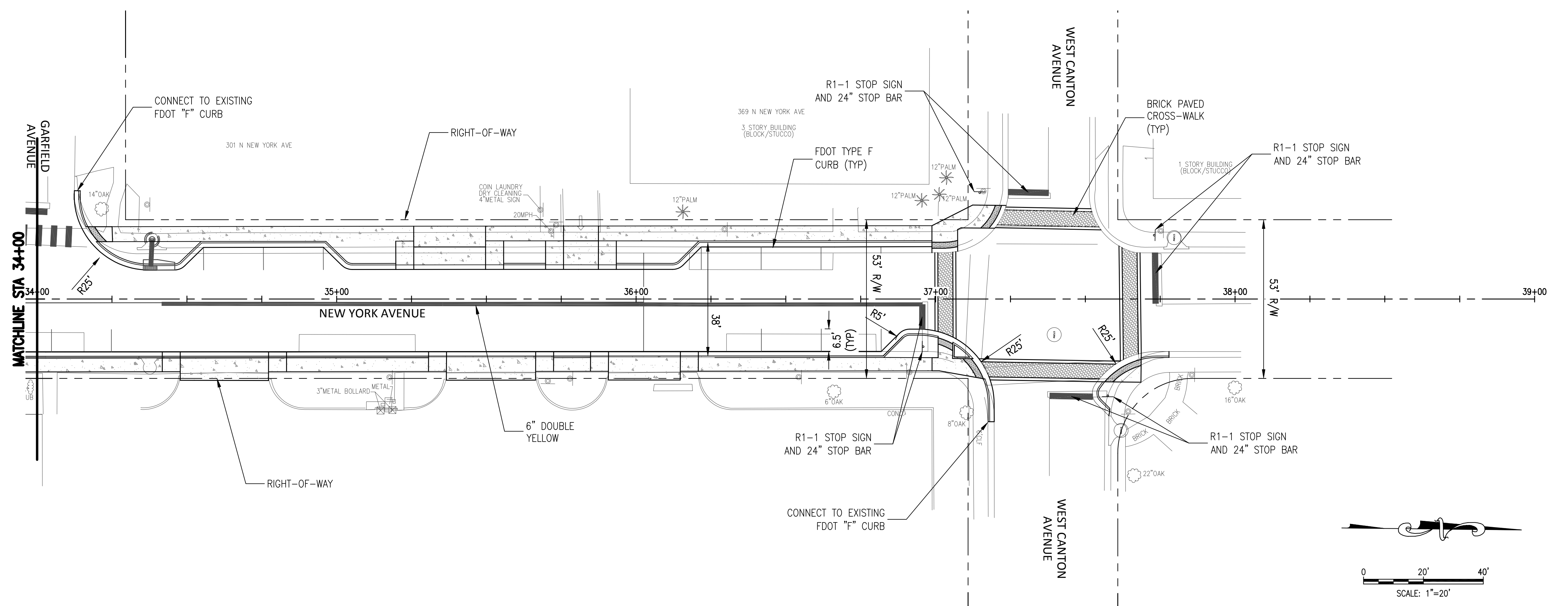
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SITE AND SIGNAGE PLAN

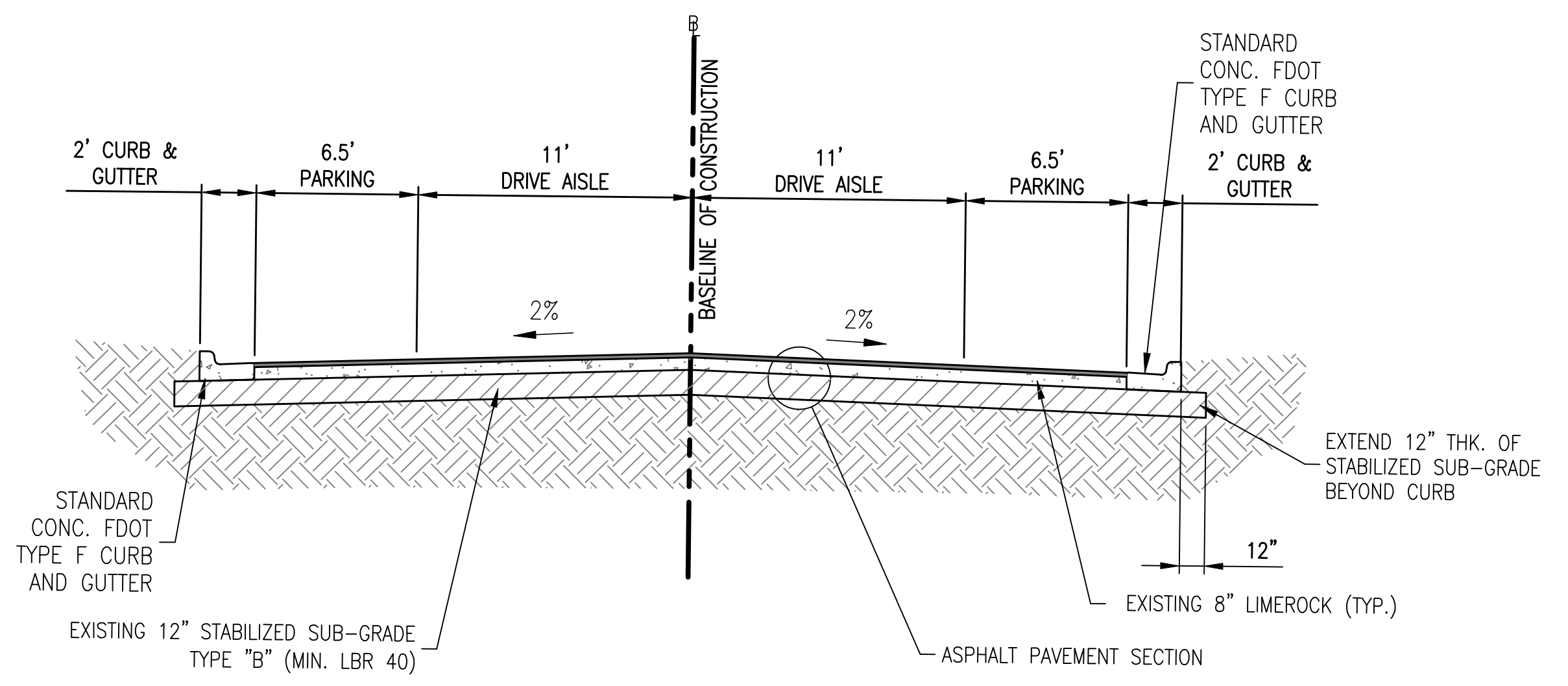
NEW YORK AVENUE - ROADWAY IMPROVEMENTS
CITY OF WINTER PARK, FLORIDA

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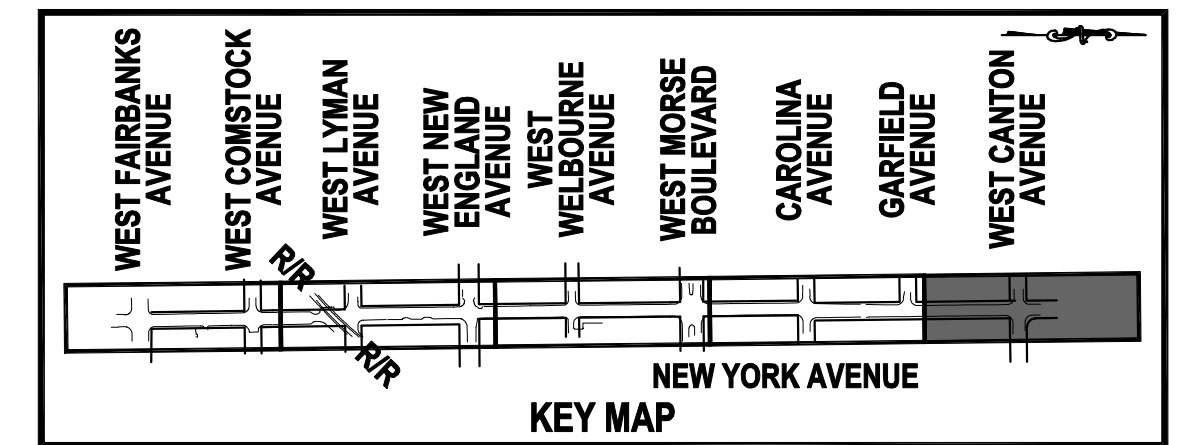
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PARKING SUMMARY	
	COUNT
EXISTING	80
PROPOSED	121



TYPICAL SECTION



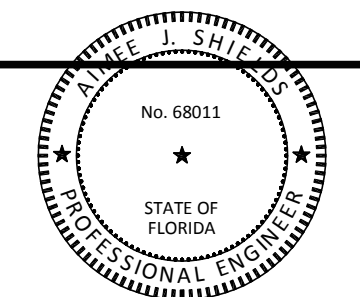
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REVISIONS				
REV	DATE	BY	DESCRIPTION	

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SCALE:	1"=20'
DATE:	05/18/2017
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PROJECT NO./
FB NO.
A161412.00
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SITE AND SIGNAGE PLAN

NEW YORK AVENUE - ROADWAY IMPROVEMENTS
CITY OF WINTER PARK, FLORIDA

SHEET
NO.
C3.40

Date:	July 26, 2017
Project No.	A161412.00
To:	Kyle Dudgeon, Butch Margraf
From:	Aimee Shields, P.E., Project Manager
cc:	
Subject:	New York Avenue Streetscape Method for Developing Parking/Driveway Extensions

The following methods will be implemented for developing parking and driveway extensions at New York Avenue's Streetscape.

1. Perform a site walk with the City to determine areas of concern, loading zones, typical vehicular movements and size, parking issues, and other traffic items.
2. Develop a concept plan with the goal of improving the aesthetics of the corridor, maximizing parking, and improving safety (accessibility and site distance).

Block Methodology Summary:

Block	East Side	West Side
Fairbanks to Comstock	Maintain loading area and full width to accommodate right turns from Fairbanks onto NY. Add bump out at second driveway with extended drive to allow for view around parked cars onto NY. Parking count increased by 1 to 6.	Maintain roadway width to allow for stacking at NY Ave. Parking count maintained at 3.
Comstock to Lyman	Maintain ex. due to new improvements at Railroad. Parking count maintained at 2.	Maintain ex. due to new improvements at Railroad. Parking count maintained at 5.
Lyman to New England	Modify bump outs at second drive for Farmer's Market. Increase bump out for bus stop access and to eliminate ramp. Parking count reduced by 1 to 5 spaces.	Provide driveway extension as aesthetic opportunity. Parking count reduced by 1 to 8.

Block	East Side	West Side
New England to Welbourne	Provide loading area on south end that can convert to parking space in evening. Parking count increased by 1 to 10.	Bump out extended for bus stop access. Parking count maintained at 6.
Welbourne to Morse	Maintain bus access at curb. Parking count increased by 2 to 9.	Parking count increased by 8 to 12.
Morse to Carolina	Add on-street parking. Parking count increased by 12.	Maintain FDC area. Parking count increased by 1 to 10.
Carolina to Garfield	Provide bump out driveway to help with sight lines at road shift. Parking count increased by 1 to 10.	Parking count maintained at 8.
Garfield to Canton	Post office driveway area maintained. Parking count reduced by 3 to 2.	Closed south driveway at convenience store. Provided driveway bump outs for sight improvements. Parking count increased by 3 to 5.

Parking Summary

Parking	East	West	Total
Existing	43	46	89
Proposed	56	57	113
Increase	13	11	24

NEW YORK AVENUE STREETScape PROJECT

BUSHES AND SHRUBS



Dwarf Oleander

A beauty of a plant, dwarf oleander is hardy, compact, and adds a splash of color to the landscape.



Burfordii Holly

Classy dwarf burfordii holly is an elegant and formal South Florida shrub that also blends in with more casual landscapes of flowering or tropical plants and ornamental grasses.



Dwarf Firebush

Orange flowers tipped with gold set off the beauty of dwarf firebush, a great butterfly plant for South Florida home landscapes.

Indian Hawthorne

Rugged little Indian Hawthorne is a breeze of a shrub - no green thumb required - that makes it a staple for South Florida landscaping.



Double Knock Out Rose

These landscape roses are easy care, low maintenance plants.



Perennial Peanut

Groundcover plants, whether they're flowering or foliage plants - or even ferns- can help choke out weeds as they blanket the earth.



Liriope

Of all the grass like plants, liriope is a huge favorite for South Florida. Sometimes known as "Lilyturf," it's commonly available in varieties which grow about 18" to 24" tall.



Asiatic Jasmine

Asiatic jasmine is a classic favorite for South Florida, a superb groundcover that likes both sun and shade. Tough and great-looking when well cared for, this jasmine rarely flowers but forms a blanket of foliage to set off large plants.



Bulbine

Attracts butterflies with orange or yellow flowers. Groundcover or border plant. Overall size about 2 feet. Cold and drought tolerant, full to partial sun.



Society Garlic

Likes full sun to part shade and looks its best when planted in groups several deep. Grows about 2 feet overall. Said to be deer-resistant. Has a tweak-your-nose aroma so best in open areas.

SHADE TREES



Live Oak Tree

The ultimate in trees for shade, the live oak tree has been immortalized as the classic symbol of the South - big, beautiful, and romantically draped in Spanish moss.

Tulip Poplar

In summer, the large, bright green leaves really stand out because they're shaped like tulips. These rapid-growing hardwood trees are great home landscape shade-bearers because their lower branches begin high on the trunk. A lovely tree that is good at framing the view. These blooms begin to develop once your tree is established within 5-7 years.



Magnolia Tree

The magnolia flowers are creamy white, contrasting beautifully against the large, stiff, glossy-green leaves with bronze-brown undersides.

MEDIUM TREES

Riverbirch Tree

Leaves are simple, alternate, and deciduous. The leaves of the river birch are 1-2 inches wide, rhombic in shape, with an acute apex. The leaf base is wedge-shaped. Leaf margins are sharply, doubly serrate (two sets of teeth). The leaves are bright green above, paler and pubescent below. The petioles are slender, somewhat flattened, and pubescent, and about 1/2 inch in length.



Allee Elm Tree

The Allee Elm has a vase shaped form with long arching branches and produces rich green and glossy foliage that changes to yellow during the fall. The parent tree of the Allee Elm is located on the University of Georgia campus and is approximately 60 years old.

UNDERSTORY TREES



Dahoon Holly Tree

The bright red berries of this very attractive native tree attract hungry birds in the winter and look great in Christmas wreaths and other decorations.

Red Cluster Bottlebrush Tree

Red Cluster bottlebrush in tree form makes a showy specimen, with its bushy, upright growth habit and bright red blooms.



Crepe Myrtle Tree

The crape myrtle tree gives a classic sign that summer is here as the tree bursts into bloom with huge, colorful flowers.



This species composition is based upon the existing overhead primary electric facility. Should the electric lines be placed underground, then medium or shade trees could be utilized.

Probable Tree Schedule:

17 shade trees

5 medium trees

9 understory trees

**Project Name: New York Avenue Streetscape Fairbanks to Canton (30% Plan
6/19/17) Conceptual Probable Cost - City GC**

L. Petersen

Date: 7/13/2017

Asphalt milled and resurfaced. Installation of brick crosswalks. Not for Construction - Probable Cost Only.

Roadway length: 2440
Roadway width: 40
Total square feet: 97600

Milling	10845 SY	\$	1.65	\$	17,894.25
Asphalt Resurfacing, includes cost of asphalt	9977 SY	\$	10.50	\$	104,758.50
Asphalt/base Demolition for Brick Crosswalks	867 SY	\$	6.85	\$	5,938.95
Brick (sq.ft. x 4.5 plus 8% waste)	35100 2808	\$	0.65	\$	24,640.20
Brick Install labor	97600 SF	\$	1.25	\$	122,000.00
Laticrete mortar	244 EA	\$	14.96	\$	3,650.24
Laticrete admix	24.4 EA	\$	89.81	\$	2,191.36
Sand	7 LOADS	\$	320.00	\$	2,240.00
Base (6" thick concrete agregate)	172 TONS	\$	22.50	\$	3,870.00
Subgrade preparation (compaction)	867 SY	\$	4.75	\$	4,118.25
Concrete aggregate brick base installation	867 SY	\$	7.00	\$	6,069.00
Curb demolition	4880 LF	\$	6.50	\$	31,720.00
New curb labor	4880 LF	\$	7.00	\$	34,160.00
New curb concrete (6" x 16" extruded verical curb)	326.96 CY	\$	125.00	\$	40,870.00
Apron demolition	55.5555556 SY	\$	7.50	\$	416.67
Driveway apron labor	10 EA	\$	250.00	\$	2,500.00
Driveway apron concrete	10 CY	\$	125.00	\$	1,250.00
Curb Ramps - Demo and Replace, includes Concrete Cost	32 EA	\$	725.00	\$	23,200.00
Dumpster	11.14155251 DUMPS	\$	287.71	\$	3,205.54
Port O Let	5 MTHS	\$	225.00	\$	1,125.00
Sod (400 sf pallets, 4- foot curb to sidewalk)	48.8 PALLETS	\$	125.00	\$	6,100.00
Sidewalk demolition	2711 SY	\$	7.50	\$	20,332.50
4" Sidewalk labor (5' sidewalk, both sides of roadway)	24400 SF	\$	2.00	\$	48,800.00
Sidewalk concrete	305 CY	\$	125.00	\$	38,125.00
Asphalt (tie-ins)	TONS	\$	35.00	\$	-

Inlet tops type 1	EA		\$	-
Inlet top type 2	EA		\$	-
Inlet tops type 3	EA		\$	-
Inlet top type 4	EA		\$	-
Inlet tops type 5	EA		\$	-
inlet top type 6	EA		\$	-
Concrete inlet tops	CY		\$ 125.00	\$ -
Rebar #5	0 EA		\$ 8.00	\$ -
Surveying	51.91489362	HR	\$ 180.00	\$ 9,344.68
Compaction testing	4.066666667	EA	\$ 275.00	\$ 1,118.33
Equipment rental - miniexcavator, loader/backhoe	4	MTH	\$ 4,750.00	\$ 19,000.00
Temp Personnel	100	DAY 4TP	\$ 650.00	\$ 65,000.00
Decorative lighting	50	EA	\$ 1,500.00	\$ 75,000.00
Conduit Install - (2) 2" conduit	2440	LF	\$ 32.00	\$ 78,080.00
Irrigation	2440	LF	\$ 7.25	\$ 17,690.00
Trees	31	EA	\$ 500.00	\$ 15,500.00
Landscape planters - pl:	2440	LF	\$ 7.50	\$ 18,300.00
Traffic Signals Fairbanks	1	EA	\$345,000.00	\$ 345,000.00
Traffic singals Morse	1	EA	\$ 325,000.00	\$ 325,000.00

SUB TOTAL \$ 1,518,208.47
 20% Contingency (30% conceptual Plan) \$ 303,641.69
TOTAL \$ 1,821,850.17

Engineer's Opinion of Probable Cost
 Project ID A161412.00
 Project Name New York Ave Streetscape

30% Plans
 07/19/17

	ITEM DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	Estimate	Notes
GENERAL CONDITIONS						
1	Inlet protection System	EA	\$ 100.00	21	\$ 2,100.00	
2	Silt Fence	LF	\$ 2.00	5,178	\$ 10,356.00	
3	Maintenance of Traffic	DA	\$ 325.00	180	\$ 58,500.00	
4	Demolition	LF	\$ 20.00	2,220	\$ 44,400.00	
5	Utility Adjustment	LS	\$ 35,000.00	1	\$ 35,000.00	
					Subtotal	150,356.00
ROADWAY PAVING						
1	Mill & Overlay asphalt	TN	\$ 90.00	551	\$ 49,590.00	1" Milling
2	Flush Concrete Bands	LF	\$ 8.00	921	\$ 7,368.00	Flush bands at brick paved intersections, modeled after NY/New England Interseciton
3	FDOT Type F Curb and Gutter	LF	\$ 16.00	4,441	\$ 71,056.00	
4	Concrete Sidewalks (4")	SY	\$ 36.00	2,353	\$ 84,708.00	
5	Concrete driveways (6")	SY	\$ 55.00	381	\$ 20,955.00	
6	Corner ADA ramps and Landings	EA	\$ 3,500.00	28	\$ 98,000.00	
7	Brick Paving	SF	\$ 12.00	2,623	\$ 31,476.00	Includes cross walks, Morse intersection, and Canton Intersection
8	Thermoplastic Striping	LS	\$ 20,000.00	1	\$ 20,000.00	
9	Demolition - Utility Adjustment	LS	\$ 35,000.00	1	\$ 35,000.00	
					Subtotal	418,153.00
STORM DRAINAGE						
1	Storm - Type 7 Manholes	EA	\$ 3,500.00	5	\$ 17,500.00	
2	Storm - Inlet	EA	\$ 3,500.00	5	\$ 17,500.00	
3	Storm - 18" RCP	LF	\$ 150.00	55	\$ 8,250.00	
					Subtotal	43,250.00
ELECTRICAL & FIBER						
1	Streetlights	EA	\$ 5,500.00	60	\$ 330,000.00	Decorative pole and luminaire, conduit and wiring to each location, spaced at 90' O.C. alternating sides
2	Electrical Service and wiring - street lights	LF	\$ 15.00	4,400	\$ 66,000.00	Electrical Service Allowance
3	Mast arms and Traffic Signal Heads	EA	\$ 250,000.00	2	\$ 500,000.00	Allowance for New York Ave at Fairbanks and New York Ave at Morse
					Subtotal	896,000.00
AREA IMPROVEMENTS						
1	Street Trees - Canopy	EA	\$ 500.00	32	\$ 16,000.00	
2	Tree Irrigation	EA	\$ 100.00	32	\$ 3,200.00	
3	Shrub/Groundcover	EA	\$ 12.00	610	\$ 7,320.00	
4	Bike Racks	EA	\$ 600.00	10	\$ 6,000.00	Allowance
5	Litter Receptacles	LS	\$ 8,000.00	1	\$ 8,000.00	Allowance
6	Irrigation POC, Meter, BFP, & Controller	LS	\$ 10,000.00	1	\$ 10,000.00	Allowance
7	Street Signage	EA	\$ 380.00	31	\$ 11,780.00	New Stop Sign and Street Signs
					Subtotal	62,300.00
SUBTOTAL CAPITAL IMPROVEMENT BUDGET					Subtotal	1,570,059.00
PROFESSIONAL FEES						
1	General Requirements	LS	\$ 188,407.08	1	\$ 188,407.08	12% of Capital Improvement Subtotal; Includes Equipment, Mobilization, Bonds
2	Permitting & Fees	LS	\$ 31,401.18	1	\$ 31,401.18	2% of capital Improvement Subtotal; Includes Utility Connections, Permit applications, etc.
3	Contingency	LS	\$ 314,011.80	1	\$ 314,011.80	20% of Capital Improvement Subtotal
					Subtotal	533,820.06
GRAND TOTAL DEVELOPMENT COSTS					Totals	2,103,879.06

NOTE: Unit prices were obtained from FDOT Historical Cost Estimate for Area 08 on FDOT website.

NOTE: The Engineer's Estimate of Probably cost was prepared based on 30% plans. GAI has no control over the cost of labor or materials, the General Contractors or any Subcontractor's method of determining prices, competitive bidding and market conditions. This opinion/cost analysis is made on the basis of experience, qualifications, and best judgment of a professional construction consultant familiar with the construction industry. GAI cannot, and does not, guarantee that proposals, bids or actual construction costs will not vary from this or subsequent cost opinions. GAI staff of professional cost consultants has prepared this opinion in accordance with generally accepted principles and practices. This staff is available to discuss its contents with any interested party.

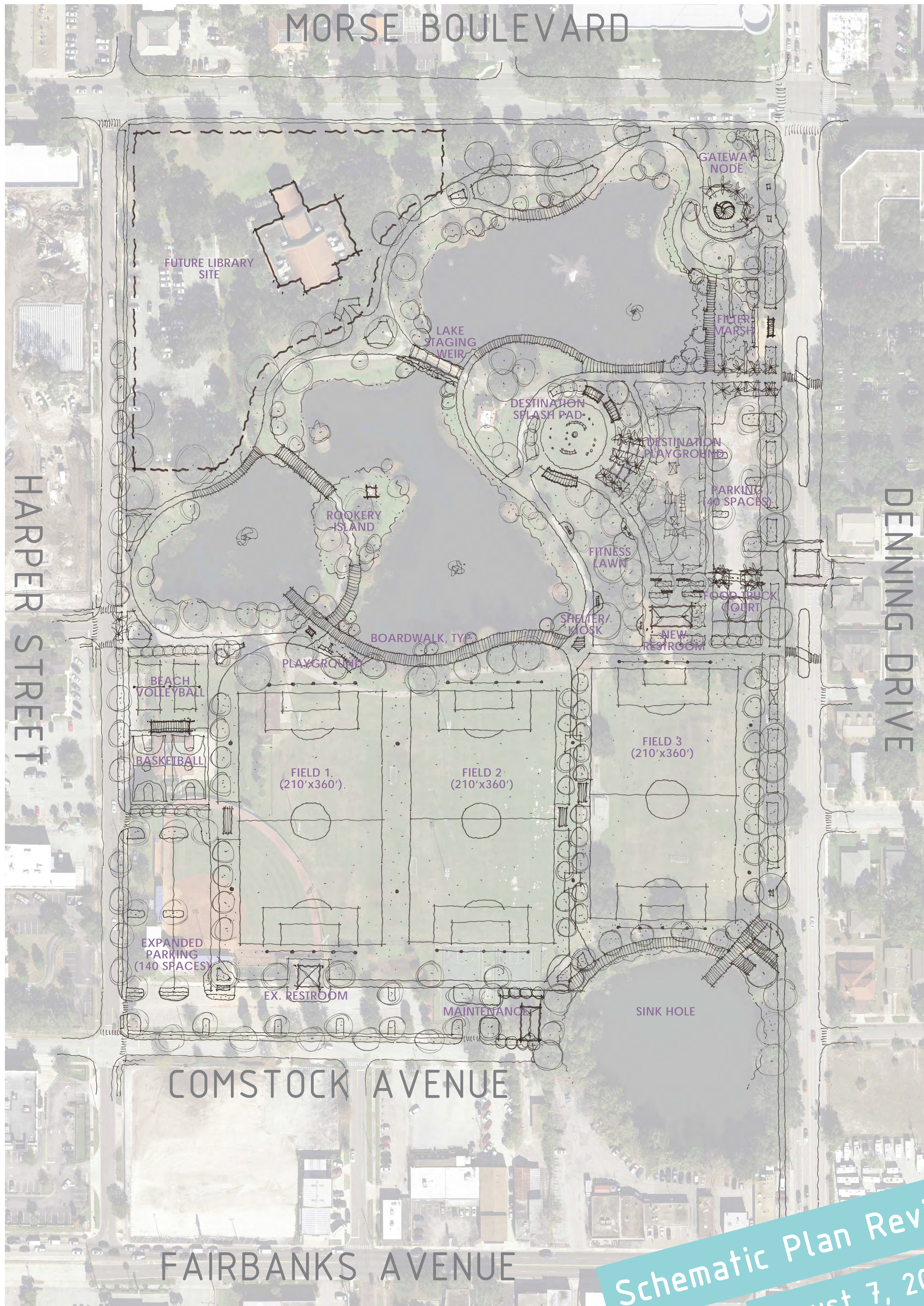
winter park



ATTACHMENT 2C
MLK PARK IMPROVEMENTS

community
redevelopment
agency

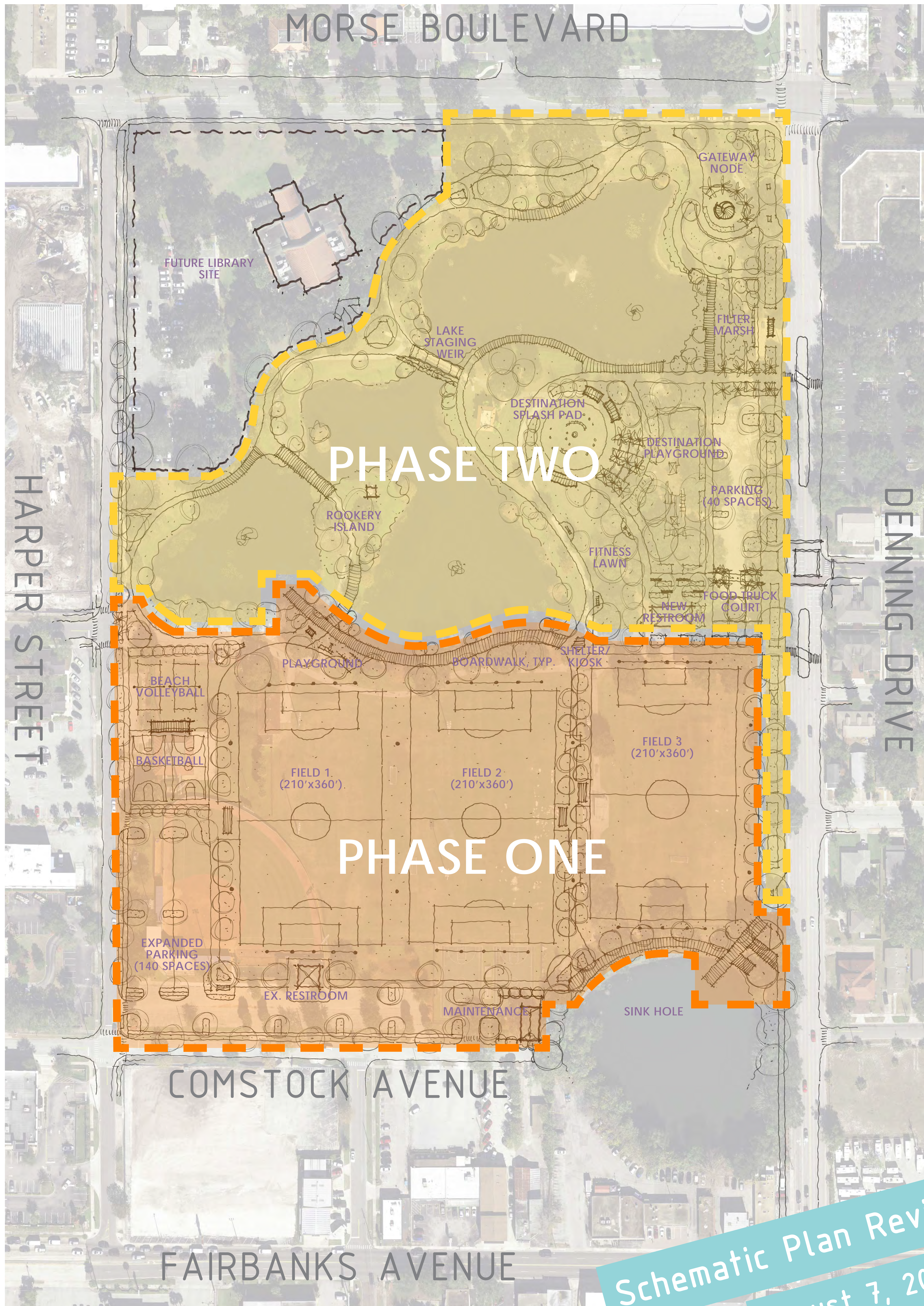
SCHEMATIC MASTER PLAN



Schematic Plan Review
August 7, 2017



SCHEMATIC MASTER PLAN: PHASING



Schematic Plan Review
August 7, 2017



MLK Park Master Plan: Phase 1 (SOUTH) - Winter Park, FL

Order of Magnitude Estimate of Probable Cost

8/4/2017

GAI Consultants / Community Solutions Group

ITEM	QTY	UNIT	PRICE/UNIT	COST	NOTES
GENERAL CONDITIONS					
General Conditions	1	L.S.	7%	\$ 374,391.15	
General Liability Insurance	1	L.S.	0.50%	\$ 26,742.23	
Permitting/Fees	1	L.S.	3.00%	\$ 157,753.35	
Maintenance of Traffic	1	A.L.	\$ 5,000.00	\$ 5,000.00	
Bonds	1	L.S.	0.75%	\$ 40,113.34	
Contingency	1	L.S.	15%	\$ 802,266.75	
			SUBTOTAL	\$ 1,406,266.81	
SWPPP					
Silt Fence, Inlet Protection, Maintenance	1	L.S.	\$ 10,000.00	\$ 10,000.00	
			SUBTOTAL	\$ 10,000.00	
SITE WORK					
Clearing & Grubbing	12	A.C.	\$ 10,000.00	\$ 120,000.00	
Asphalt and Concrete Demolition	7,500	S.Y.	\$ 5.00	\$ 37,500.00	
Building Demolition	8,600	S.F.	\$ 8.00	\$ 68,800.00	Lake Island Hall, Maintenance, Rollins Field Struc.
Import Fill	0	C.Y.	\$ 10.00	\$ -	
Rough Grade	543,200	S.F.	\$ 0.03	\$ 16,296.00	
Fine Grade	543,200	S.F.	\$ 0.05	\$ 27,160.00	
Sheet Pile Wall	300	L.F.	\$ 800.00	\$ 240,000.00	At South Edge of Lake
Bldg. Pad Compaction	225	S.Y.	\$ 1.00	\$ 225.00	
			SUBTOTAL	\$ 509,981.00	
SURVEY & CONTROL					
Survey Layout	543,200	S.F.	\$ 0.02	\$ 10,864.00	
			SUBTOTAL	\$ 10,864.00	
STORM SYSTEM					
Stormwater System Budget	1	A.L.	\$ 100,000.00	\$ 100,000.00	Allowance
			SUBTOTAL	\$ 100,000.00	
UTILITIES					
Utility Adjustment / Additions Budget	1	A.L.	\$ 100,000.00	\$ 100,000.00	Allowance
			SUBTOTAL	\$ 100,000.00	
ELECTRICAL					
Site Lighting and Electrical	1	A.L.	\$ 200,000.00	\$ 200,000.00	Allowance
			SUBTOTAL	\$ 200,000.00	
ASPHALT PAVING					
Light Duty Pavement	6,670	S.Y.	\$ 38.00	\$ 253,460.00	
			SUBTOTAL	\$ 253,460.00	
PAVEMENT MARKINGS					
Parking Space Striping	2,900	L.F.	\$ 0.25	\$ 725.00	
24" Stop Bar	40	LF	\$ 25.00	\$ 1,000.00	
ADA Symbols	3	L.S.	\$ 150.00	\$ 450.00	
			SUBTOTAL	\$ 2,175.00	
CONCRETE					
D Curb	2,800	L.F.	\$ 12.00	\$ 33,600.00	
Sidewalks	38,000	S.F.	\$ 5.00	\$ 190,000.00	
Specialty Pavement	2,700	S.F.	\$ 16.00	\$ 43,200.00	
Dumpster Enclosures	1	E.A.	\$ 10,000.00	\$ 10,000.00	
			SUBTOTAL	\$ 276,800.00	
LANDSCAPING					
Trees, Plants, Groundcover	1	A.L.	\$ 150,000.00	\$ 150,000.00	Allowance
			SUBTOTAL	\$ 150,000.00	
IRRIGATION					
Bermuda areas	75,600	S.F.	\$ 0.40	\$ 30,240.00	
Landscape Areas	215,700	S.F.	\$ 0.35	\$ 75,495.00	
			SUBTOTAL	\$ 105,735.00	
FENCING & NETTING					
Playground Fencing	230	L.F.	\$ 55.00	\$ 12,650.00	
6' Vinyl Coated Chain Link	2,270	L.F.	\$ 14.00	\$ 31,780.00	
Netting	6	E.A.	\$ 25,000.00	\$ 150,000.00	
			SUBTOTAL	\$ 194,430.00	
FIELD / PLAY AREAS					
Beach Volleyball	2	E.A.	\$ 25,000.00	\$ 50,000.00	
Basketball	2	E.A.	\$ 65,000.00	\$ 130,000.00	
Soccer Fields (Bermuda Turf)	1	E.A.	\$ 150,000.00	\$ 150,000.00	
Artificial Turf Field	2	E.A.	\$ 800,000.00	\$ 1,600,000.00	
Field Lighting (Per Field)	3	E.A.	\$ 125,000.00	\$ 375,000.00	
			SUBTOTAL	\$ 2,305,000.00	
BOARDWALKS					
Decking / Boardwalks (10' Wide)	9,700	S.F.	\$ 60.00	\$ 582,000.00	
			SUBTOTAL	\$ 582,000.00	
ARCHITECTURE					
New Maintenance Facility	2,000	S.F.	\$ 150.00	\$ 300,000.00	
Shelters (20'x20')	1	E.A.	\$ 30,000.00	\$ 30,000.00	
			SUBTOTAL	\$ 480,000.00	Allowance
SITE FURNISHINGS					
Site Furnishings and Wayfinding	1	A.L.	\$ 50,000.00	\$ 50,000.00	Allowance
Scoreboards	3	E.A.	\$ 6,000.00	\$ 18,000.00	
			SUBTOTAL	\$ 68,000.00	
SITE AMENITIES					
	1	E.A.		\$ -	

			SUBTOTAL	\$	-
OVERALL GRAND TOTAL					
				\$	6,754,711.81
Enhancement options					
Playground (Small)	1	E.A.	\$ 50,000.00	\$	50,000.00
Shade Canopy Over Basketball Court	1	A.L.	\$ 150,000.00	\$	150,000.00
			SUBTOTAL	\$	200,000.00
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MLK Park Master Plan: Phase 2 (NORTH) - Winter Park, FL

Order of Magnitude Estimate of Probable Cost

8/4/2017

GAI Consultants / Community Solutions Group

ITEM	QTY	UNIT	PRICE/UNIT	COST	NOTES
GENERAL CONDITIONS					
General Conditions	1	L.S.	7%	\$ 206,437.00	
General Liability Insurance	1	L.S.	0.50%	\$ 14,745.50	
Permitting/Fees	1	L.S.	3.00%	\$ 74,748.00	
Maintenance of Traffic	1	A.L.	\$ 10,000.00	\$ 10,000.00	
Bonds	1	L.S.	0.75%	\$ 22,118.25	
Contingency	1	L.S.	15%	\$ 442,365.00	
			SUBTOTAL	\$ 770,413.75	
SWPPP					
Silt Fence, Inlet Protection, Maintenance	1	L.S.	\$ 10,000.00	\$ 10,000.00	
			SUBTOTAL	\$ 10,000.00	
SITE WORK					
Clearing & Grubbing	8	A.C.	\$ 10,000.00	\$ 80,000.00	
Asphalt and Concrete Demolition	4,500	S.Y.	\$ 5.00	\$ 22,500.00	
Building Demolition	2,050	S.F.	\$ 8.00	\$ 16,400.00	Air Stn., Restroom
Import Fill	0	C.Y.	\$ 10.00	\$ -	
Rough Grade	339,000	S.F.	\$ 0.03	\$ 10,170.00	
Fine Grade	339,000	S.F.	\$ 0.05	\$ 16,950.00	
Bldg. Pad Compaction	170	S.Y.	\$ 1.00	\$ 170.00	
			SUBTOTAL	\$ 146,190.00	
SURVEY & CONTROL					
Survey Layout	339,000	S.F.	\$ 0.02	\$ 6,780.00	
			SUBTOTAL	\$ 6,780.00	
STORM SYSTEM					
Stormwater System Budget	1	A.L.	\$ 200,000.00	\$ 200,000.00	Allowance
			SUBTOTAL	\$ 200,000.00	
UTILITIES					
Utility Adjustment / Additions Budget	1	A.L.	\$ 150,000.00	\$ 150,000.00	Allowance
			SUBTOTAL	\$ 150,000.00	
ELECTRICAL					
Site Lighting and Electrical	1	A.L.	\$ 250,000.00	\$ 250,000.00	Allowance
			SUBTOTAL	\$ 250,000.00	
ASPHALT PAVING					
Light Duty Pavement	1,700	S.Y.	\$ 38.00	\$ 64,600.00	
			SUBTOTAL	\$ 64,600.00	
PAVEMENT MARKINGS					
Parking Space Striping	720	L.F.	\$ 0.25	\$ 180.00	
24" Stop Bar	20	LF	\$ 25.00	\$ 500.00	
ADA Symbols	2	L.S.	\$ 150.00	\$ 300.00	
			SUBTOTAL	\$ 980.00	
CONCRETE					
D Curb	850	L.F.	\$ 12.00	\$ 10,200.00	
Sidewalks	66,000	S.F.	\$ 5.00	\$ 330,000.00	
Specialty Pavement	9,725	S.F.	\$ 16.00	\$ 155,600.00	
			SUBTOTAL	\$ 495,800.00	
LANDSCAPING					
Trees, Plants, Groundcover	1	A.L.	\$ 150,000.00	\$ 150,000.00	Allowance
			SUBTOTAL	\$ 150,000.00	
IRRIGATION					
Landscape Areas	235,000	S.F.	\$ 0.35	\$ 82,250.00	
			SUBTOTAL	\$ 82,250.00	
FENCING & NETTING					
Playground Fencing	600	L.F.	\$ 55.00	\$ 33,000.00	
			SUBTOTAL	\$ 33,000.00	
BOARDWALKS					
Decking / Boardwalks (10' Wide)	6,700	S.F.	\$ 60.00	\$ 402,000.00	
			SUBTOTAL	\$ 402,000.00	
ARCHITECTURE					
New Restroom / Concession	1,500	S.F.	\$ 225.00	\$ 337,500.00	
Shelters (20'x20')	2	E.A.	\$ 30,000.00	\$ 60,000.00	
Shelters (20'x40')	1	E.A.	\$ 60,000.00	\$ 60,000.00	
			SUBTOTAL	\$ 457,500.00	
SITE FURNISHINGS					
Site Furnishings and Wayfinding	1	A.L.	\$ 50,000.00	\$ 50,000.00	Allowance
			SUBTOTAL	\$ 50,000.00	
SITE AMENITIES					
Playground (Destination)	1	A.L.	\$ 250,000.00	\$ 250,000.00	Allowance
Splash Pad	1	A.L.	\$ 200,000.00	\$ 200,000.00	Allowance
			SUBTOTAL	\$ 450,000.00	
OVERALL GRAND TOTAL				\$ 3,719,513.75	

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winter park



ATTACHMENT 2D
PARKING STRATEGIES/CAPITAL
IMPROVEMENTS

community
redevelopment
agency



May 3, 2017

Kyle Dudgeon
CRA Manager
City of Winter Park
401 South Park Avenue
Winter Park, FL 32789

RE: Parking Options for City of Winter Park

Dear Kyle,

Per our meeting, Brasfield & Gorrie has put together rough order magnitude costs per parking space for the options below. The pricing is based on the attached diagrams and the narratives for each section.

Option 1 – Lot A - 516 Cars

- Includes two parking decks and an underground tunnel to run across W. Morse Blvd.
- Deck located on the south lot has three levels, first level is partially underground with two additional levels on top. Approximately 516 cars
- Deck located on the north lot is completely underground. Approximately 167 cars.
- Parking decks are cast in place concrete with an architectural precast exterior skin
- Includes closing W. Morse Blvd to install underground tunnel connecting both parking decks.
- Assumes all utilities will be rerouted or relocated prior to construction commencing. No costs have been included to relocate any existing utilities.
- Includes minor site demolition.
- Assumes that the deck on the south lot will have 50% open air and mechanical ventilation will not be required. North lot parking deck will have mechanical ventilation.
- Includes stripping and parking signage
- Includes enclosed lobbies at each elevator stop.
- Does not include any traffic coatings, parking control equipment, exterior branding signage.
- Includes \$50,000/ Acre for landscaping
- Includes an additional \$150,000 for plaza upgrades over the underground parking deck
- No exfiltration system or storm water retention system has been included.

Average cost per space \$30,000 to \$35,000

Option 2 – Knowles Site – 220 Cars

- Includes one cast in place parking deck 15' x 240' with 3 levels. Approximately 220 cars.
- This Site would require closing E. New England Ave or E. Welbourne Ave for approximately 4 months for crane access.
- Includes an allowance of \$50,000 for shoring adjacent foundations.
- Includes a skin upgrade allowance of \$500,000. This will provide skin to 50% of the exterior.
- Assumes the parking deck will be 50% open air so mechanical ventilation is not required.
- Includes enclosed lobbies at each elevator stop.
- Includes a fully sprinkled parking deck due to proximity of other buildings. Budget does not include solid fire rated walls at the exterior.
- Includes striping and parking signage
- Does not include any traffic coatings, parking control equipment, exterior branding signage.
- No exfiltration system or storm water retention system has been included.

Average cost per space \$28,000 to \$33,000

Option 3 – City of Winter Park City Hall Site - 385 Cars and Retail

- Includes cast in place parking deck with three levels and integral retail at the first floor. Approximately 385 cars.
- Includes 22,800 of rentable retail space
- Includes 1.4 acres of Sitework, demolition and utility tie ins.
- Includes \$75,000/Acre for landscaping.
- Includes a \$500,000 skin upgrade allowance.
- Includes a fully mechanically ventilated parking deck due to the retail at the first and second floors.
- No exfiltration system or storm water retention system has been included.
- Includes enclosed elevator lobbies at each level.
- Includes striping and parking signage
- Does not include any traffic coatings, parking control equipment, exterior branding signage.

Average cost per space \$34,000 to \$40,000 (includes the cost for 22,800 sf of cold dark shell retail space at ground floor perimeter.)

Other Options Considered:

Saint Margaret Mary Parking lot – Lot appears to be too narrow to not have an impact on the existing underground exfiltration system in the parking lot.

Methodist Church parking lot – It was proposed to provide one level underground at the existing location of the parking deck. Due to the proximity of the property boundary's this option could undermine the existing foundations of the adjacent buildings.

Please feel free to reach out to us for further clarification on each pricing option.

Sincerely,

Brasfield & Gorrie, L.L.C.



Christi Johnson

Regional Preconstruction Manager

Cjohnson@Brasfieldgorrie.com

DRAFT



Tunnel

1 level underground

200x300
1 level split underground
2 levels elevated

DRAFT

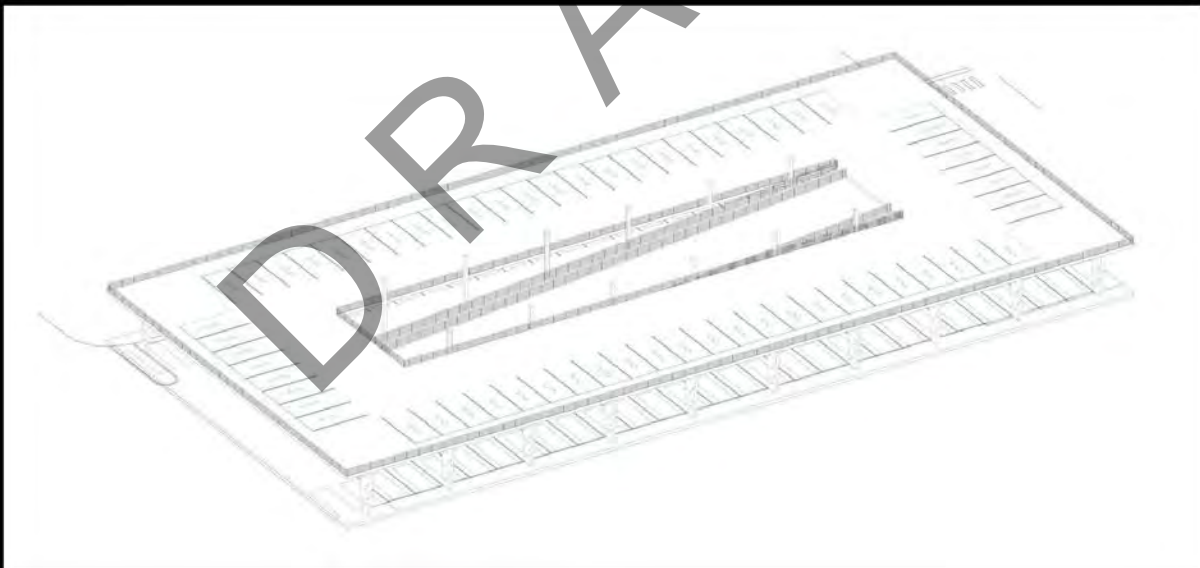


DRAFT

115x240
3 levels
Fully sprinkled

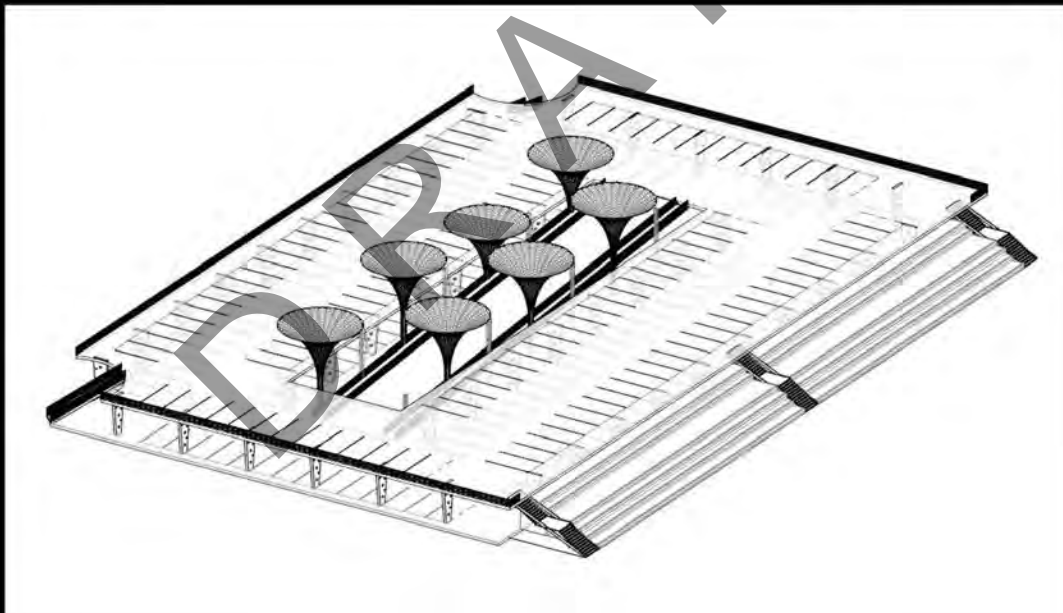
Site 1- East Welbourne

114 parking spaces



Site 2 – Train Station

250 parking spaces
Amphitheater stepping down to Train Station



Site 3 – City Hall

166 parking spaces
12,000 SF lease area

