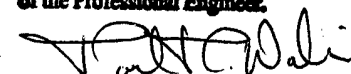


This project was constructed in substantial compliance with these plans as provided by the Engineer of Record. If changes were made, those changes are indicated by black ink revision and bear the seal and signature of the Professional Engineer.


Resident Engineer

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

FINAL AS BUILT PLANS

FINANCIAL PROJECT ID 428689-1-52-01

VOLUSIA COUNTY (79030)

STATE ROAD NO. 5

SR 5 / US 1, FROM SOUTH OF WOODLAND AVE.
TO SOUTH OF SR 5A (NOVA RD.)

CONSTRUCTION CONTRACT NO. T5454

COMPONENTS OF CONTRACT PLANS SET

ROADWAY, SIGNING AND PAVEMENT MARKING AND SIGNALIZATION PLANS

ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SUMMARY OF PAY ITEMS
3	TYPICAL SECTION
4	GENERAL NOTES
5-6	SUMMARY OF QUANTITIES
7	SIDEWALK CONSTRUCTION DETAILS
8-8A	MISCELLANEOUS DETAILS
9	PLAN SHEET- WILMETTE AVE.
10	STORM WATER POLLUTION PREVENTION PLAN
CB-1	COMPUTATION BOOK
	CONTRACTORS AS BUILT PLANS

SIGNING AND PAVEMENT MARKING
AND SIGNALIZATION PLANS

11	SUMMARY OF TRAFFIC ITEMS
	GENERAL NOTES
12	SIGNING AND MARKING SUMMARIES
13	SIGNING AND MARKING TYPICAL DETAILS

LIST OF REVISED INDEX DRAWINGS

INDEX NO. SHEET NO

ROADWAY PLANS
ENGINEER OF RECORD:

REBECCA M. BOBBITT, P.E.
P.E. NO.: 69131

ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:

REBECCA M. BOBBITT, P.E.
719 S. WOODLAND BLVD.
DELAND, FL 32720

PLANS PREPARED BY:

FDOT DISTRICT 5
ROADWAY DESIGN
719 S. WOODLAND BLVD.
DELAND, FL 32720

SIGNING AND PAVEMENT MARKING
AND SIGNALIZATION PLANS
ENGINEER OF RECORD:

SUSANNE S. HERTZ, P.E.
P.E. NO.: 49486

SIGNING AND PAVEMENT MARKING AND SIGNALIZATION
SHOP DRAWINGS TO BE SUBMITTED TO:

SUSANNE S. HERTZ, P.E.
719 S. WOODLAND BLVD.
DELAND, FL 32720

PLANS PREPARED BY:

FDOT, DISTRICT 5
719 S. WOODLAND BLVD.
DELAND, FL 32720

GOVERNING STANDARDS AND SPECIFICATIONS:

Florida Department of Transportation, 2013 Design Standards and revised Index Drawings as appended herin, and 2013 Standard Specifications for Road and Bridge Construction, as amended by Contract Documents.

For Design Standards click on the "Design Standards" link at the following web site:
<http://www.dot.state.fl.us/rddesign/>

For the Standard Specifications for Road and Bridge Construction click on the "Specifications" link at the following web site:
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NOTE: THE SCALE OF THESE PLANS MAY
HAVE CHANGED DUE TO REPRODUCTION.

Date Work Started: 9/21/2013

Date Work Finally Accepted or Completed: 2/19/2014

PLAN REVISIONS

- △ ROADWAY SHEET 9 (REVISED 12-19-13)
- △ ROADWAY SHEETS 5, 8A (REVISED 1-7-14)


Contractor: P&S Paving, Inc.
District Secretary: Noranne Downs PE
Const. Engineer: Paul R. Wabi, P.E.
Design Consultant: In-House
Project Engineer: Michael Raney

KEY SHEET REVISIONS

1-7-14 REVISED INDEX OF ROADWAY PLANS

FDOT PROJECT MANAGER: REBECCA M. DAVIS, P.E.

FDOT PROJECT DESIGNER: JAMES BLACKFORD, P.E.


1-7-14

FISCAL YEAR	SHEET NO.
14	1

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

FINAL AS BUILT PLANS

FINANCIAL PROJECT ID 428689-1-52-01

VOLUSIA COUNTY (79030)

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LIST OF REVISED INDEX DRAWINGS

INDEX NO. SHEET NO

BEGIN PROJECT	MP 5.841
END PROJECT	MP 7.166
PROJECT LENGTH	1.325 MI

ROADWAY PLANS
ENGINEER OF RECORD:

REBECCA M. BOBBITT, P.E.
P.E. NO.: 69131

ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:

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DELAND, FL 32720

PLANS PREPARED BY:

FDOT DISTRICT 5
ROADWAY DESIGN
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SIGNING AND PAVEMENT MARKING
AND SIGNALIZATION PLANS
ENGINEER OF RECORD:

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SHOP DRAWINGS TO BE SUBMITTED TO:

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DELAND, FL 32720

PLANS PREPARED BY:

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719 S. WOODLAND BLVD.
DELAND, FL 32720

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PLAN REVISIONS

ROADWAY SHEET 9 (REVISED 12-19-13)

KEY SHEET REVISIONS

FDOT PROJECT MANAGER: REBECCA M. DAVIS, P.E.

FDOT PROJECT DESIGNER: JAMES BLACKFORD, P.E.

REVISIONS:

DATED: 12-19-13
APPROVED BY: [Signature]
DATE: 12-20-13

FISCAL YEAR	SHEET NO.
14	1

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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

FINAL AS BUILT PLANS

FINANCIAL PROJECT ID 428689-1-52-01

VOLUSIA COUNTY (79030)

STATE ROAD NO. 5

SR 5 / US 1, FROM SOUTH OF WOODLAND AVE.
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CONSTRUCTION CONTRACT NO. T5454

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ROADWAY PLANS

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LIST OF REVISED INDEX DRAWINGS

INDEX NO.	SHEET NO
-----------	----------

BEGIN PROJECT	MP 5.841
END PROJECT	MP 7.166

PROJECT LENGTH	1.325 MI
----------------	----------

ROADWAY PLANS
ENGINEER OF RECORD:

REBECCA M. BOBBITT, P.E.
P.E. NO.: 69131

ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:

REBECCA M. BOBBITT, P.E.
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DELAND, FL 32720

PLANS PREPARED BY:

FDOT DISTRICT 5
ROADWAY DESIGN
719 S. WOODLAND BLVD.
DELAND, FL 32720

SIGNING AND PAVEMENT MARKING
AND SIGNALIZATION PLANS
ENGINEER OF RECORD:

SUSANNE S. HERTZ, P.E.
P.E. NO.: 49486

SIGNING AND PAVEMENT MARKING AND SIGNALIZATION
SHOP DRAWINGS TO BE SUBMITTED TO:

SUSANNE S. HERTZ, P.E.
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PLANS PREPARED BY:

FDOT, DISTRICT 5
719 S. WOODLAND BLVD.
DELAND, FL 32720

FDOT PROJECT MANAGER: REBECCA M. DAVIS, P.E.

FDOT PROJECT DESIGNER: JAMES BLACKFORD, P.E.

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PLAN REVISIONS

KEY SHEET REVISIONS

FISCAL YEAR	SHEET NO.
14	1

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FLORIDA DEPARTMENT OF TRANSPORTATION PROPOSAL SUMMARY OF PAY ITEMS FOR PROPOSAL: T5454							
LEAD PROJECT : 428689-1-52-01			DISTRICT : 05		COUNTY/SECTION : 79030000		
PROJECT(S) : 42868915201			COUNTY : VOLUSIA				
0001 SUMMARY OF ROADWAY							
SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION		UNIT	42868915201	QUANTITY TOTAL
		0999- 2-	LUMP SUM CONTRACT, ALTERNATIVE BIDDING 42868915201		LS	1.000	1.000
		0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID 42868915201		LS	1.000	1.000

REVISIONS				 DISTRICT FIVE - DESIGN Rebecca Marie Bobbitt, P.E. No.: 69131 719 South Woodland Blvd. DeLand, Florida 32720	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF PAY ITEMS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					5	VOLUSIA	428689-1-52-01		2

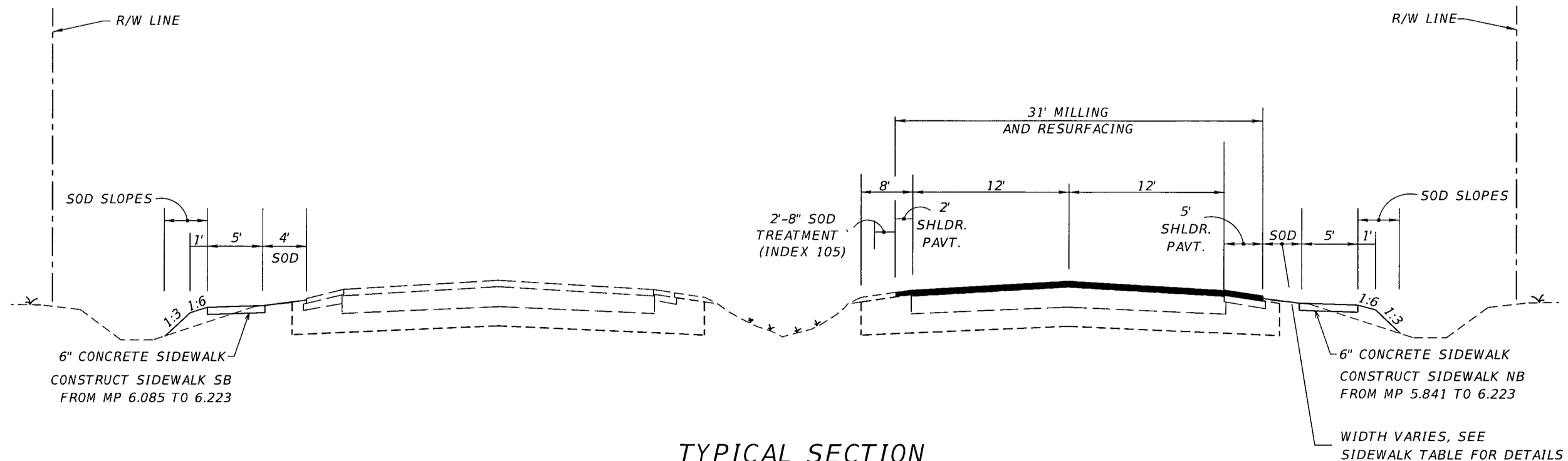
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SIDEWALK CONSTRUCTION NOTES

- 1. SIDEWALK CROSS-SLOPE SHALL BE 0.02 MAXIMUM
- 2. SIDEWALK SHALL SLOPE TOWARDS THE R/W LINE UNLESS OTHERWISE NOTED
- 3. THE FRONT OF SIDEWALK SHALL MATCH THE EXISTING GROUND ELEVATION
- 4. SOD SHALL BE PLACED FROM THE EDGE OF SHOULDER TO THE FRONT OF SIDEWALK
- 5. SIDEWALK SHALL BE CONSTRUCTED PARALLEL TO THE ROADWAY UNLESS OTHERWISE SHOWN
- 6. SEDIMENT BARRIER SHALL BE INSTALLED AT THE TOE OF PROPOSED SLOPE FOR ANY SIDEWALK CONSTRUCTION ACTIVITIES THAT ENCROACH ON WETLAND AREAS. IN AREAS WHERE ENCROACHMENT DOES NOT OCCUR, IT SHALL BE INSTALLED BETWEEN THE PROPOSED TOE OF SLOPE AND BOTTOM OF THE DITCH.

SIDEWALK TABLE

SIDE	LOCATION	FRONT OF S/W LOCATION
NB	GREG'S LIBERTY GRILL DRIVEWAY TO BUTTLEMAN'S DRIVEWAY	BEHIND EXISTING INLET
NB	BUTTLEMAN'S DRIVEWAY TO WOODLAND	1' BEHIND EXISTING INLET
NB	WOODLAND TO HERNANDEZ	10' FROM EDGE OF PAVED SHOULDER
NB	HERNANDEZ TO PIRANA GRILL DRIVEWAY	5' FROM EDGE OF PAVED SHOULDER
NB	PIRANA GRILL DRIVEWAY TO ROSEWOOD	3' FROM EDGE OF PAVED SHOULDER
NB	ROSEWOOD TO FLORIST DRIVEWAY	3' FROM EDGE OF PAVED SHOULDER
NB	FLORIST DRIVEWAY TO KENILWORTH	3' FROM EDGE OF PAVED SHOULDER
NB	KENILWORTH TO FIRE STATION DRIVEWAY	SEE SIDEWALK CONSTRUCTION DETAILS
NB	FIRE STATION DRIVEWAY TO WILMETTE	2.5' FROM EDGE OF PAVED SHOULDER
SB	WILMETTE TO TRAVEL AGENCY	4' FROM EDGE OF PAVED SHOULDER

TYPICAL SECTION
MP 5.841 to MP 7.166

MAINLINE & SHOULDERS
ADJACENT TO MAINLINE

MILLING
MILL EXISTING ASPHALT PAVEMENT (2 3/4" AVG. DEPTH)
RESURFACING
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2") AND FRICTION COURSE FC-5 (3/4") (PG 76-22, ARB)
CROSS-SLOPE
MATCH EXISTING ROADWAY CROSS-SLOPE


* SEE SUMMARY OF SIDE STREETS AND CROSSOVERS MILLING AND RESURFACING FOR OTHER SIDE STREET AND CROSSOVER MILLING DEPTHS.

WILMETTE AVE*, ALL TURN LANES &
SHOULDERS ADJACENT TO TURN LANES

MILLING
MILL EXISTING ASPHALT PAVEMENT (2 1/4" AVG. DEPTH)
RESURFACING
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1.5") AND FRICTION COURSE FC-5 (3/4") (PG 76-22, ARB)
CROSS-SLOPE
MATCH EXISTING ROADWAY CROSS-SLOPE

TRAFFIC DATA

CURRENT YEAR = 2011 AADT = 16000
ESTIMATED OPENING YEAR = 2014 AADT = 16900
ESTIMATED DESIGN YEAR = 2034 AADT = 23300
K = 9.0% D = 57% T = 8.0% (24 HOUR)
DESIGN HOUR T = 8.0%
DESIGN SPEED = 45 MPH (MP 5.841 - 6.070)
50 MPH (MP 6.070 - 6.450)
55 MPH (MP 6.450 - 7.166)

REVISIONS				 DISTRICT FIVE - DESIGN Rebecca Marie Bobbitt, P.E. No.: 69131 719 South Woodland Blvd. DeLand, Florida 32720	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION	SHEET NO. 3
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					5	VOLUSIA	428689-1-52-01		

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GENERAL NOTES

1. ELEVATIONS ARE BASED ON ASSUMED DATUM.
2. MILEPOSTS CALLED OUT IN THE PLANS WERE ESTABLISHED FROM THE STRAIGHT LINE DIAGRAM MILEPOSTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING LOCATIONS IN THE FIELD PRIOR TO CONSTRUCTION.
3. ANY PUBLIC LAND CORNER OR BENCHMARK WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE ENGINEER SHALL NOTIFY THE DISTRICT LOCATION SURVEYOR WITHOUT DELAY BY TELEPHONE.
4. THE CONTRACTOR SHALL CONTACT SUNSHINE ONE CALL OF FLORIDA, INC. AS REQUIRED BY CHAPTER 556 OF THE FLORIDA STATUTES.

COMPANIES	TELEPHONE NO.
AT&T CORP	(813) 342-0512
AT&T DISTRIBUTION	(407) 273-5084
BRIGHT HOUSE NETWORKS, LLC	(386) 527-6836
CITY OF ORMOND BEACH	(386) 676-3203
FLORIDA POWER & LIGHT (DISTRIBUTION)	(386) 586-6432
FLORIDA POWER & LIGHT (TRANSMISSION)	(561) 904-3693
TECO PEOPLE'S GAS	(904) 443-7317

5. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED Vv, Vh, AND Vvh) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.
6. EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED.
7. EXISTING DRAINAGE STRUCTURES ARE TO REMAIN UNLESS OTHERWISE NOTED.
8. MATERIALS TACK COAT: USE ONLY UNDILUTED EMULSIFIED ASPHALT TACK COAT CRS-1h OR NTSS-1hm IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 300 AND SECTION 916 OF THE SPECIFICATIONS.
9. "SPECIAL EVENTS" WILL BE HANDLED IN THE SAME MANNER AS HOLIDAYS AND IN ACCORDANCE WITH SUBARTICLE 8-6.4 OF THE SPECIFICATIONS. A "SPECIAL EVENT" IS DEFINED AS A FESTIVAL, FAIR, RUN, RACE, MOTORCADE, PARADE, CIVIC ACTIVITY, CULTURAL ACTIVITY, CHARITY OR FUND DRIVE, SPORTING EVENT, OR SIMILAR ACTIVITY THAT COULD BE NEGATIVELY IMPACTED AS A RESULT OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING INFORMATION CONCERNING ANY "SPECIAL EVENTS" THAT OCCUR DURING THE LIFE OF THE CONTRACT. "SPECIAL EVENTS" INCLUDE, BUT ARE NOT LIMITED TO, DAYTONA SPEED WEEKS, BIKE WEEK, SPRING BREAK, BLACK COLLEGE REUNION AND BIKETOBERFEST.
10. THE CONTRACTOR SHALL SOD ALL DISTURBED AREAS IN-KIND.
11. THE CONTRACTOR SHALL COORDINATE WITH THE AIRPORT MANAGER OF ORMOND BEACH MUNICIPAL AIRPORT AND DAYTONA BEACH INTERNATIONAL AIRPORT TO ENSURE ALL SAFETY ISSUES, REGARDING AIRPORT ACTIVITY, ARE BEING REVIEWED.

SAFETY ISSUES OF CONCERN INCLUDE, BUT ARE NOT LIMITED TO:

- A. SMOKE GENERATED BY THE EQUIPMENT BEING USED.
- B. TALL STRUCTURES, TO INCLUDE CRANES, LIGHT POLES, SIGNS, ETC. DURING AND AFTER CONSTRUCTION THAT MAY PENETRATE THE FEDERAL AVIATION REGULATIONS (FAR), PART 77 SURFACES TO THE AIRPORT.
- C. LIGHTING USED DURING NIGHTTIME OPERATIONS, AND THAT IT IS SHIELDED FROM PROJECTING UPWARDS AND OUTWARD, WHICH COULD CAUSE BLINDNESS OR CONFUSION BY APPROACHING AND DEPARTING AIRCRAFT.
- D. STOCKPILING OF MATERIAL THAT COULD ATTRACT WILDLIFE.
12. THE CONTRACTOR SHALL DELIVER ALL REMOVED GUARDRAIL TO:

Bill McGhee
Florida Department of Transportation
DeLand Operations, Kepler Complex
1650 North Kepler Road
DeLand, FL 32724
386-740-3409 office
386-801-5580 cell

13. THE CONTRACTOR SHALL NOTIFY THE ORMOND BEACH FIRE STATION AT LEAST 14 DAYS PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES.
14. THE CONTRACTOR SHALL NOTIFY THE CITY OF ORMOND BEACH UTILITIES DEPARTMENT AT LEAST 7 DAYS PRIOR TO GUARDRAIL CONSTRUCTION ACTIVITES. ALL CONSTRUCTION ACTIVITIES AT CRUISE ELITE TRAVEL AGENCY AS SHOWN ON THE SIDEWALK CONSTRUCTION DETAILS SHEET, AND BEFORE ADJUSTING THE VALVE BOX TO ENSURE ANY NECESSARY MATERIALS ARE AVAILABLE.

TEMPORARY TRAFFIC CONTROL PLAN NOTES

1. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH FDOT DESIGN STANDARDS INDEX 600 SERIES.
2. THERE WILL BE NO LANE CLOSURES ALLOWED FROM 7:00 AM TO 7:00 PM WITHIN 600' OF A SIGNALIZED INTERSECTION. A LANE MAY ONLY BE CLOSED DURING ACTIVE WORK PERIODS.
3. MAINTAIN THE POSTED SPEED LIMITS DURING CONSTRUCTION.
- | | |
|---------------------|--------|
| MP 5.841 - MP 6.070 | 40 MPH |
| MP 6.070 - MP 6.450 | 45 MPH |
| MP 6.450 - MP 7.166 | 55 MPH |
4. USE CHANGABLE MESSAGE SIGNS AT BEGIN AND END PROJECT 500' BEFORE SIGNAGE (14) DAYS PRIOR TO CONSTRUCTION WITH THE FOLLOWING MESSAGE:


MESSAGE 1	MESSAGE 2	
<div>US 1 ROAD WORK</div>	<div>BEGINS MM/DD</div>	MAY BE CHANGED AS DIRECTED BY THE ENGINEER

5. USE CHANGABLE MESSAGE SIGNS AT BEGIN AND END PROJECT 500' BEFORE SIGNAGE FOR PROJECT DURATION WITH THE FOLLOWING MESSAGE:

MESSAGE 3	MESSAGE 4	
<div>ROAD WORK AHEAD</div>	<div>EXPECT DELAYS</div>	MAY BE CHANGED AS DIRECTED BY THE ENGINEER

TRANSIT TRAFFIC CONTROL PLAN NOTES

1. THE CONTRACTOR SHALL NOTIFY VOTRAN, HEATHER BLANCK AT 386-756-7496, AT LEAST 30 DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION TO ARRANGE A PRE-CONSTRUCTION-TRANSIT ROUTE/PEDESTRIAN ACCESS SAFETY MEETING. THE MEETING IS TO DETERMINE ALL BUS ROUTES AFFECTED AND TO MAKE ANY NECESSARY ARRANGEMENT FOR REROUTING AND TEMPORARY SIGNING OR REMOVAL OF BUS STOP SIGNS AND FURNITURE, i.e. BENCHES, SHELTERS, ETC.
2. THE CONTRACTOR SHALL NOTIFY VOTRAN, HEATHER BLANCK AT 386-756-7496, AT LEAST 14 DAYS IN ADVANCE OF TEMPORARY REMOVAL OR RELOCATION OF BUS STOPS TO ALLOW SUFFICIENT TIME TO PLAN DETOURS AND TO COMMUNICATE WITH AFFECTED PASSENGERS. NO TWO CONSECUTIVE BUS STOPS SHALL BE TEMPORARILY RELOCATED OR REMOVED WITHOUT APPROVAL FROM VOTRAN.

REVISIONS				 DISTRICT FIVE - DESIGN <i>Rebecca Marie Bobbitt, P.E. No.: 69131</i> 719 South Woodland Blvd. DeLand, Florida 32720	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			GENERAL NOTES	SHEET NO. 4
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					5	VOLUSIA	428689-1-52-01		

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SUMMARY OF GUARDRAIL										
LOCATION		GUARDRAIL (LF)				END ANCHORAGE ASSEMBLIES (EA)		MISC. ASPHALT (TN)		FIELD BOOK REFERENCE
MILEPOST	SIDE	ROADWAY		REMOVAL		PARALLEL				
		P	F	P	F	P	F	P	F	
FROM 6.916	RT	125		95		1		4.5		
TO 6.940										

SUMMARY OF EARTHWORK		
DESCRIPTION	CY	
	P	F
REGULAR EXCAVATION		
NB SIDEWALK	112	
SB SIDEWALK	61	
EMBANKMENT		
NB SIDEWALK	36	
SB SIDEWALK	92	

SUMMARY OF PERFORMANCE TURF-SOD								
LOCATION		P			F			FIELD BOOK REFERENCE
		L	W	A (SY)	L	W	A (SY)	
5.841 - 6.223 NB OUTSIDE SHLDR & S/W		2000'	5' 6"	1222				
6.223 - 7.166 NB OUTSIDE SHLDR		4321'	2' 8"	1280				
5.841 - 7.166 NB INSIDE SHLDR		5717'	2' 8"	1694				
SB SIDEWALK		772'	10' 6"	901				
SIDEWALK REMOVAL AT HERNANDEZ AVE.		38'	8'	34				

SUMMARY OF LITTER REMOVAL AND MOWING									
CONST. PHASE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL			MOWING			REMARKS
			CYCLES	AREA		CYCLES	AREA		
				AC/CYCLE	TOTAL (AC)		AC/CYCLE	TOTAL (AC)	
ALL	140	30	5	17.8	89.0	5	15.5	77.5	

SUMMARY OF SIDEWALK CONCRETE (6")								
LOCATION	SIDE	P			F			FIELD BOOK REFERENCE
		L	W	A (SY)	L	W	A (SY)	
MP 5.841 - MP 6.223	NB	1544'	5'	857.8				
MP 6.085 - MP 6.223	SB	823'	5'	457.2				
NE CORNER OF WILMETTE				4.1				
NW CORNER OF WILMETTE				5.7				

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



DISTRICT FIVE - DESIGN
Rebecca Marie Bobbitt, P.E. No.: 69131
719 South Woodland Blvd.
DeLand, Florida 32720

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
5	VOLUSIA	428689-1-52-01

SUMMARY OF QUANTITIES

SHEET
NO.

5

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2 SUMMARY OF GUARDRAIL										
LOCATION		GUARDRAIL (LF)				END ANCHORAGE ASSEMBLIES (EA)		MISC. ASPHALT (TN)		FIELD BOOK REFERENCE
MILEPOST	SIDE	ROADWAY		REMOVAL		PARALLEL		P	F	
		P	F	P	F	P	F			
		FROM	TO	FROM	TO	FROM	TO			
6.486	RT	125	125	95	95	1	1	4.5	5.0	
6.510										
6.916	RT	125	125	95	95	1	1	4.5	5.7	
6.940										


SUMMARY OF EARTHWORK		
DESCRIPTION	CY	
	P	F
REGULAR EXCAVATION		
NB SIDEWALK	112	112
SB SIDEWALK	61	61
EMBANKMENT		
NB SIDEWALK	36	36
SB SIDEWALK	92	92

SUMMARY OF PERFORMANCE TURF-SOD							
LOCATION	P			F			FIELD BOOK REFERENCE
	L	W	A (SY)	L	W	A (SY)	
5.841 - 6.223 NB OUTSIDE SHLDR & S/W	2000'	5' 6"	1222	2000'	5' 6"	1222	
6.223 - 7.166 NB OUTSIDE SHLDR	4321'	2' 8"	1280	4321'	2' 8"	1280	
5.841 - 7.166 NB INSIDE SHLDR	5717'	2' 8"	1694	5717'	2' 8"	1694	
SB SIDEWALK	772'	10' 6"	901	772'	10' 6"	901	
SIDEWALK REMOVAL AT HERNANDEZ AVE.	38'	8'	34	38'	8'	34	

SUMMARY OF LITTER REMOVAL AND MOWING									
CONST. PHASE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL			MOWING			REMARKS
			CYCLES	AREA		CYCLES	AREA		
				AC/CYCLE	TOTAL (AC)		AC/CYCLE	TOTAL (AC)	
ALL	140	30	5	17.8	89.0	5	15.5	77.5	

SUMMARY OF SIDEWALK CONCRETE (6")								
LOCATION	SIDE	P			F			FIELD BOOK REFERENCE
		L	W	A (SY)	L	W	A (SY)	
MP 5.841 - MP 6.223	NB	1544'	5'	857.8	1544'	5'	857.8	
MP 6.085 - MP 6.223	SB	823'	5'	457.2	823'	5'	457.2	
NE CORNER OF WILMETTE				4.1			4.1	
NW CORNER OF WILMETTE				5.7			5.7	

Rebecca Ballitt
1-7-14

REVISIONS				 DISTRICT FIVE - DESIGN Rebecca Marie Babbitt, P.E. No.: 69131 719 South Woodland Blvd. DeLand, Florida 32720	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF QUANTITIES	SHEET NO. 5
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
1/7/14	2 Updated Guardrail Box				5	VOLUSIA	428689-1-52-01		
				USERS	SDATES	STIMES	SFILES		

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SUMMARY OF SIDE STREETS AND CROSSOVERS MILLING AND RESURFACING					
SIDE STREETS	APPROXIMATE MILEPOST	SIDE	LENGTH (FT)	MILLING DEPTH (IN)	REMARKS
WOODLAND AVE.	5.864	RT	25	0.75	FC-5 ONLY
HERNANDEZ AVE.	5.910	RT	32	0.75	FC-5 ONLY
ROSEWOOD AVE.	6.027	RT	37	0.75	FC-5 ONLY
KENILWORTH AVE	6.150	RT	25	0.75	FC-5 ONLY
WILMETTE AVE.	6.223	RT	83	2.25	SEE PLAN SHEET
WILMETTE AVE.	6.223	LT	83	2.25	SEE PLAN SHEET
MELROSE AVE.	6.330	RT	17	2.25	MATCH TURN LANE PAVT. DESIGN
CROSSOVERS					
HERNANDEZ AVE.	5.910	LT		0.75	FC-5 ONLY


NOTES:
1. LENGTHS MEASURED FROM THE EDGE OF THROUGH LANE AND ALONG SIDESTREET &
2. MILLING SHALL BE TO THE EXISTING PAVEMENT JOINT WHERE ONE EXISTS

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES							
LOCATION	SIDE	SEDIMENT BARRIER		INLET PROTECTION		REMARKS	FIELD BOOK REFERENCE
		LF		EA			
		P	F	P	F		
MP 6.085 - MP 6.223	SB	800	800			SB S/W	
MP 5.884	NB			2	2		
MP 5.910 - MP 6.223	NB	1125	1125			NB S/W	
MP 6.159	NB			1	1		
MP 6.212	NB			1	1		
MP 6.916 - MP 6.940	NB	165	165			NB GUARDRAIL	

SUMMARY OF TEMPORARY SIGNALIZATION													
PHASE	DURATION	102-104 Temp Signals & Maintenance, Per Intersection - Each Day						102-107-1 Temp Detection & Maintenance, Per Intersection - Each Day					
		EXISTING			TEMPORARY			EXISTING			TEMPORARY/NEW		
	DAYS	#	P	F	#	P	F	#	P	F	#	P	F
1	140	1	140		0			1	140		0		

SUMMARY OF SIDEDRAIN & MITERED END SECTIONS				
APPROXIMATE MILEPOST	SIDE	PIPE LENGTH (LF)	MES (EA)	REMARKS
		18"	18"	
P MP 6.085	LT	16	1	SEE SIDEWALK DETAIL SHEET
F		16	1	

SUMMARY OF TEMPORARY TRAFFIC CONTROL PAINTED PAVEMENT MARKINGS			
		P	F
TRAFFIC STRIPE, (SKIP) (10'- 30' WHITE)	GM	1.276	1.276
TRAFFIC STRIPE (SOLID) (6" WHITE)	NM	1.385	1.385
TRAFFIC STRIPE (SOLID) (YELLOW 6")	NM	1.218	1.218
TRAFFIC STRIPE (SOLID) (WHITE 8")	LF	112	112
TRAFFIC STRIPE (SOLID) (WHITE 12")	LF	2432	2432
TRAFFIC STRIPE (SOLID) (WHITE 18")	LF	94	94
TRAFFIC STRIPE (SOLID) (WHITE 24")	LF	250	250
TRAFFIC STRIPE (SKIP) (WHITE 2'- 4')	LF	184	184
TRAFFIC STRIPE (SKIP) (WHITE 6'- 10')	LF	222	222
TRAFFIC STRIPE (SKIP) (YELLOW 6'- 10')	LF	210	210
DIRECTIONAL ARROWS	EA	15	15
PAINTED PAVEMENT MARKINGS (MESSAGE)(BIKE SYMBOL)	EA	10	10
PAINTED PAVEMENT MARKINGS (MESSAGE)(BIKE ARROW)	EA	10	10

REVISIONS				 <div>DISTRICT FIVE - DESIGN Rebecca Marie Bobbitt, P.E. No.: 69131 719 South Woodland Blvd. DeLand, Florida 32720</div>	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					5	VOLUSIA	428689-1-52-01		6

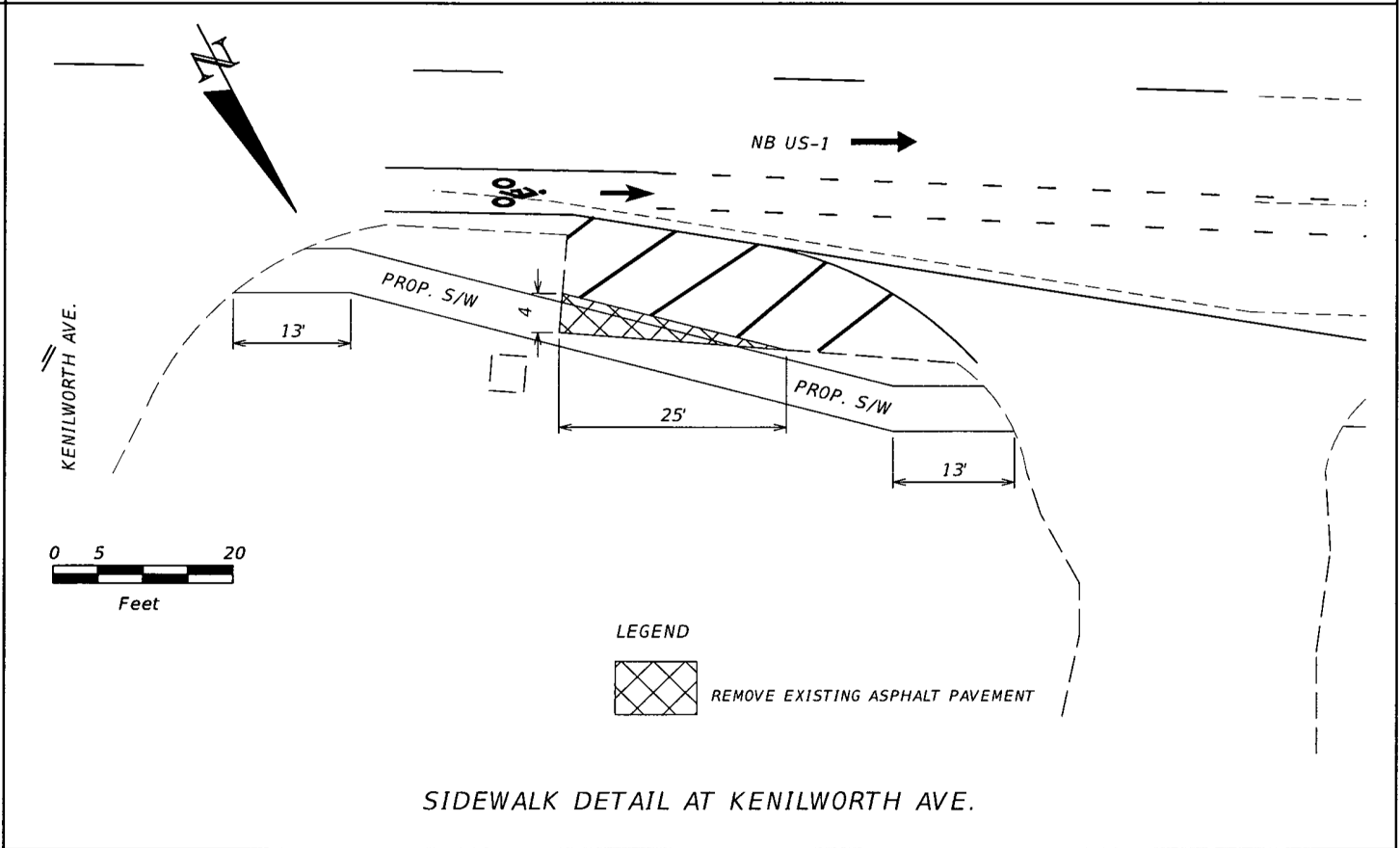
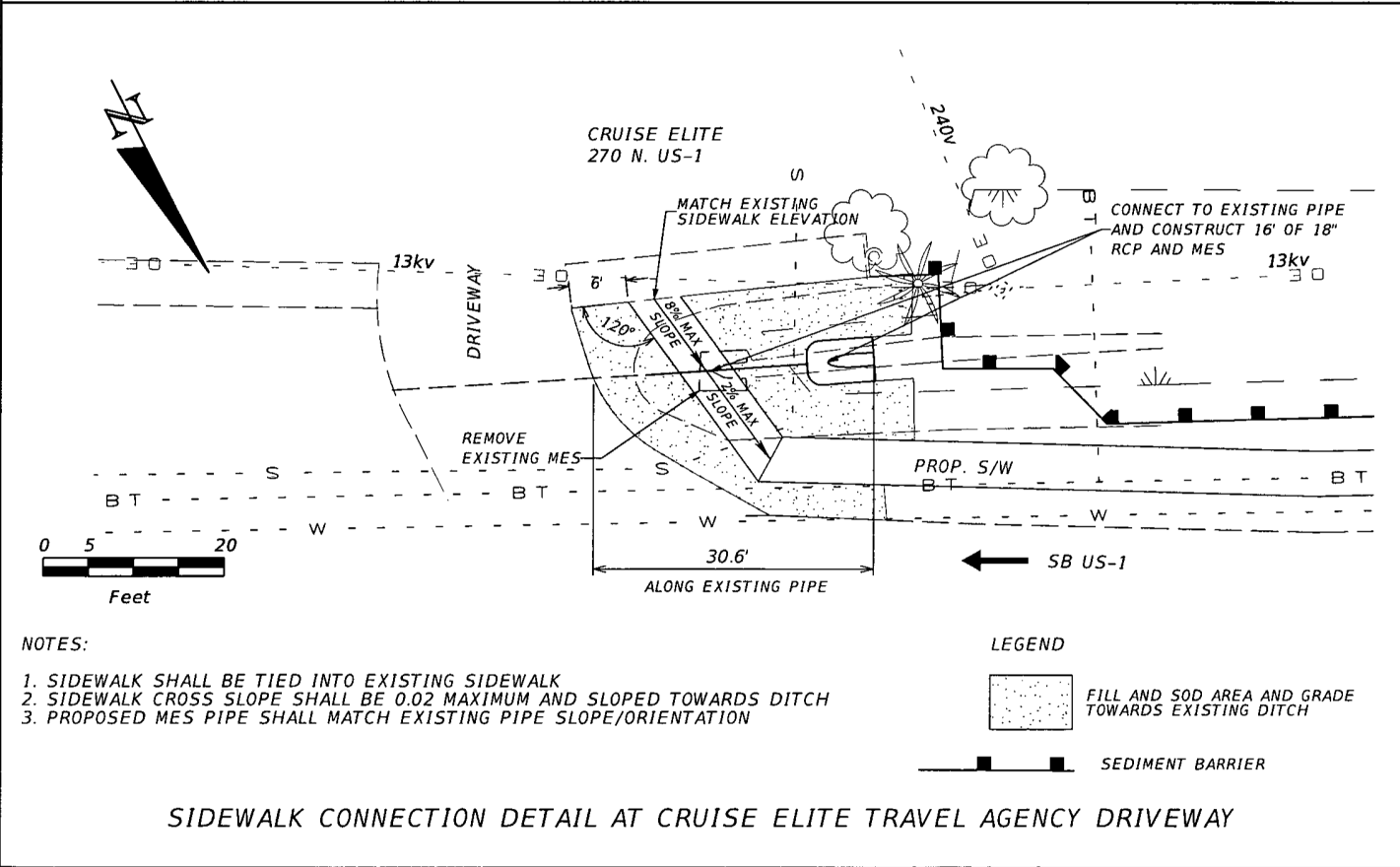
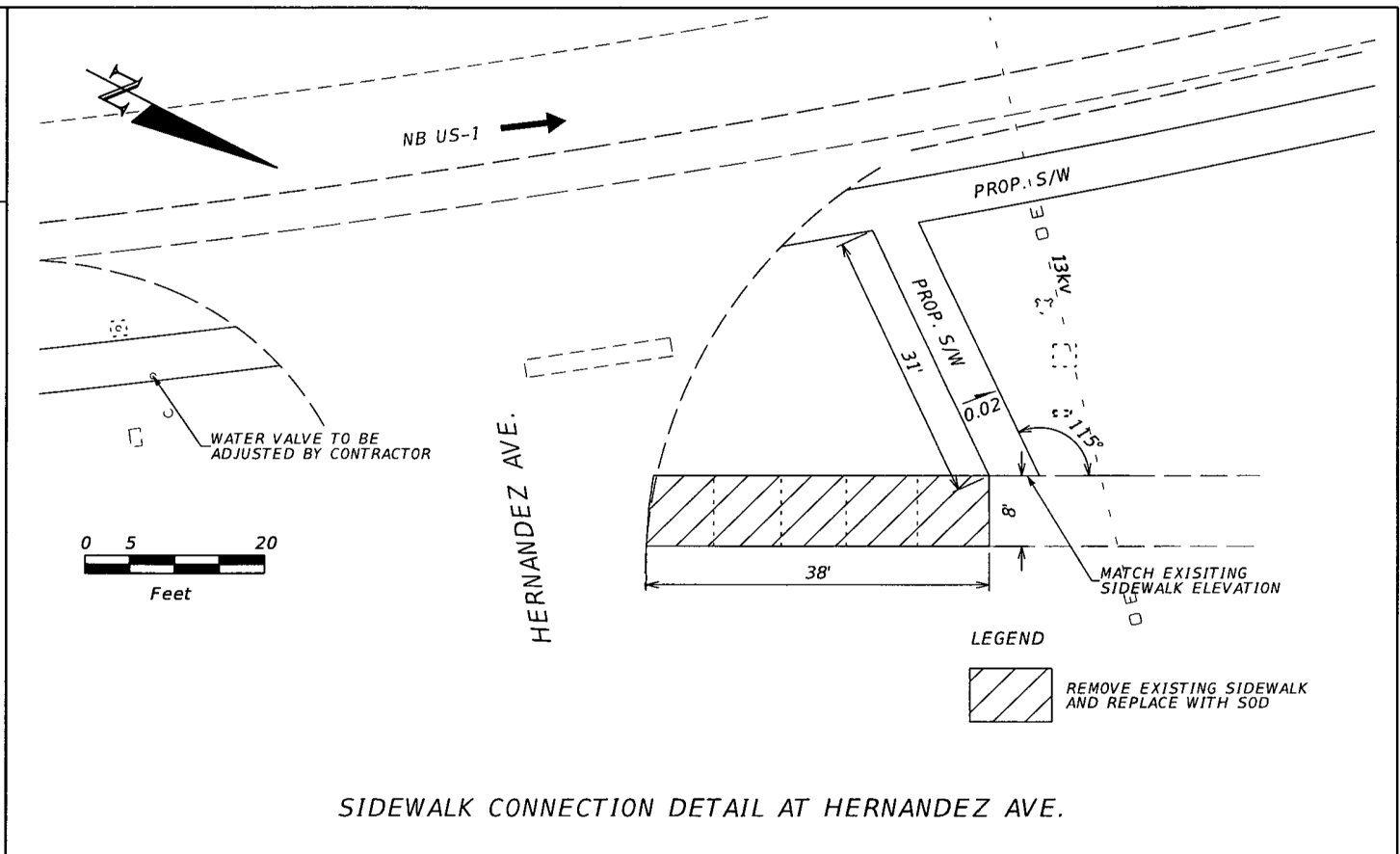
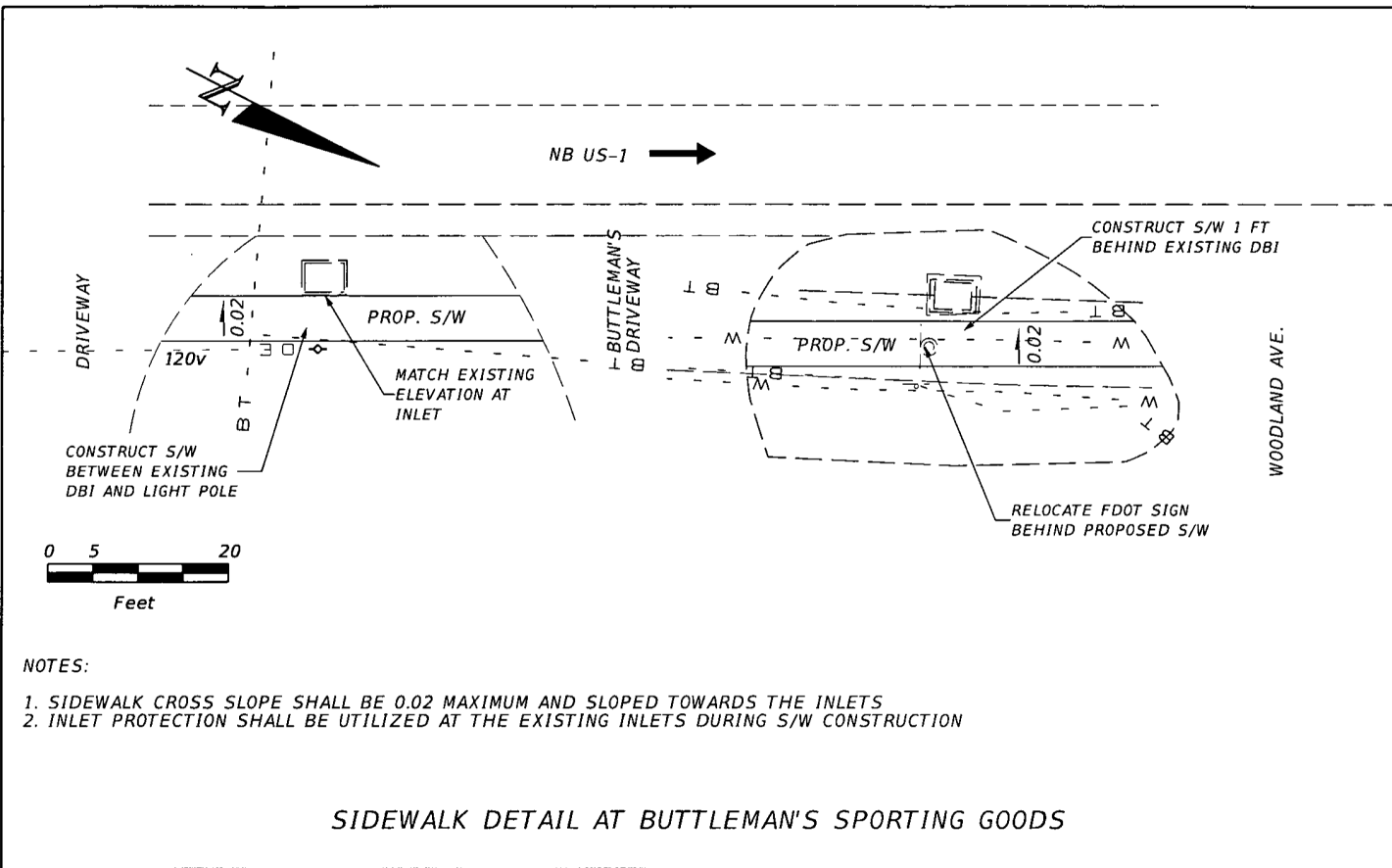
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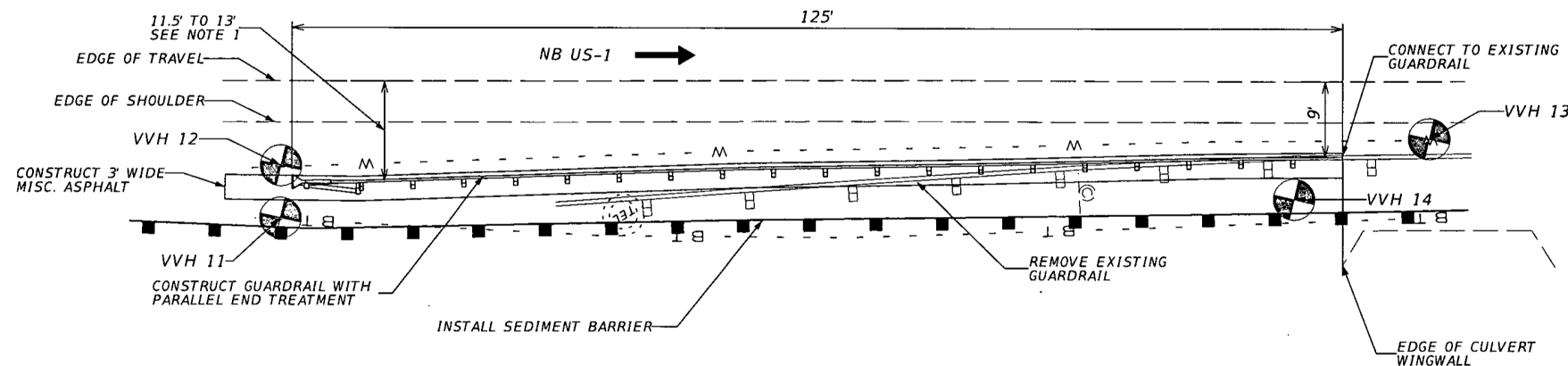
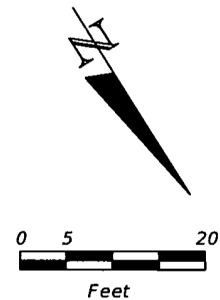
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REVISIONS				 DISTRICT FIVE - DESIGN Rebecca Marie Bobbitt, P.E. No.: 69131 719 South Woodland Blvd. DeLand, Florida 32720	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIDEWALK CONSTRUCTION DETAILS	SHEET NO. 7
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					5	VOLUSIA	428689-1-52-01		

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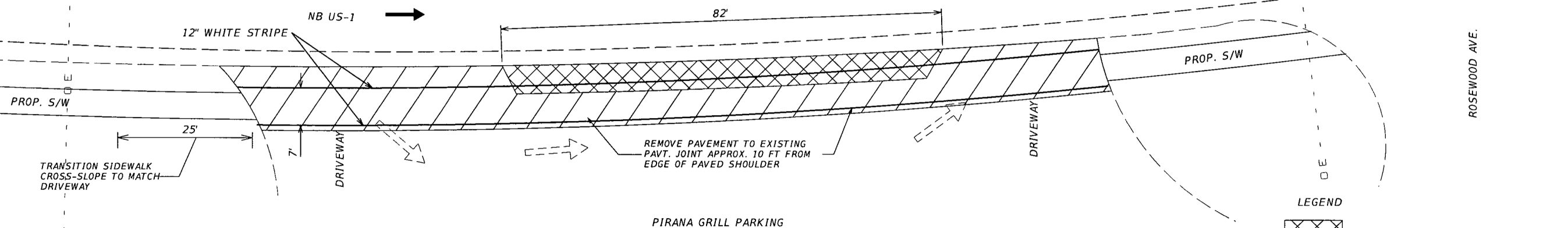
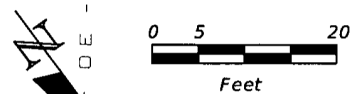


VVH INFORMATION		
VVH #	COVER (FT)	UTILITY
11	3.75	1.6' X 2.0' TELEPHONE DUCT
12	2.70	13" OD WATER MAIN
13	1.80	13" OD WATER MAIN
14	1.40	0.90' X 6.50' CONCRETE CAP FOR TELEPHONE DUCT

NOTES:

1. THE FACE OF THE PROPOSED GUARDRAIL MAY VARY BETWEEN 11.5 FT AND 13 FT IN ORDER TO MAINTAIN A MINIMUM OFFSET OF 1.5 FT FROM THE OUTSIDE EDGE OF THE EXISTING WATER LINE AND BURIED TELEPHONE LINE TO THE PROPOSED GUARDRAIL POSTS.

GUARDRAIL EXTENSION DETAIL AT MP 6.940



LEGEND	
	REMOVE 1.5\"/>
	MILL 1.5\"/>

PAVING DETAIL AT PIRANA GRILL (MP 5.999)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



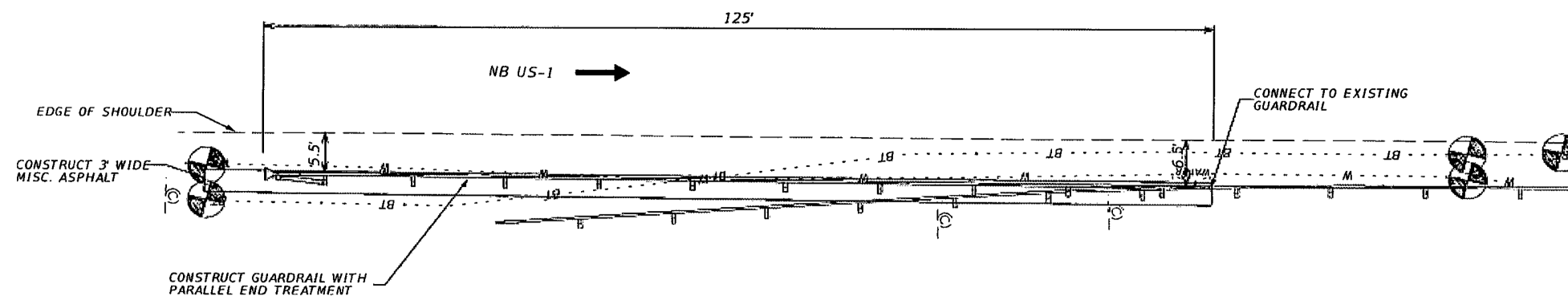
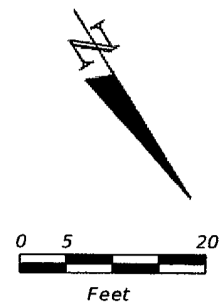
DISTRICT FIVE - DESIGN
Rebecca Marie Bobbitt, P.E. No.: 69131
719 South Woodland Blvd.
DeLand, Florida 32720

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
5	VOLUSIA	428689-1-52-01

**MISCELLANEOUS
DETAILS**


SHEET NO.
8

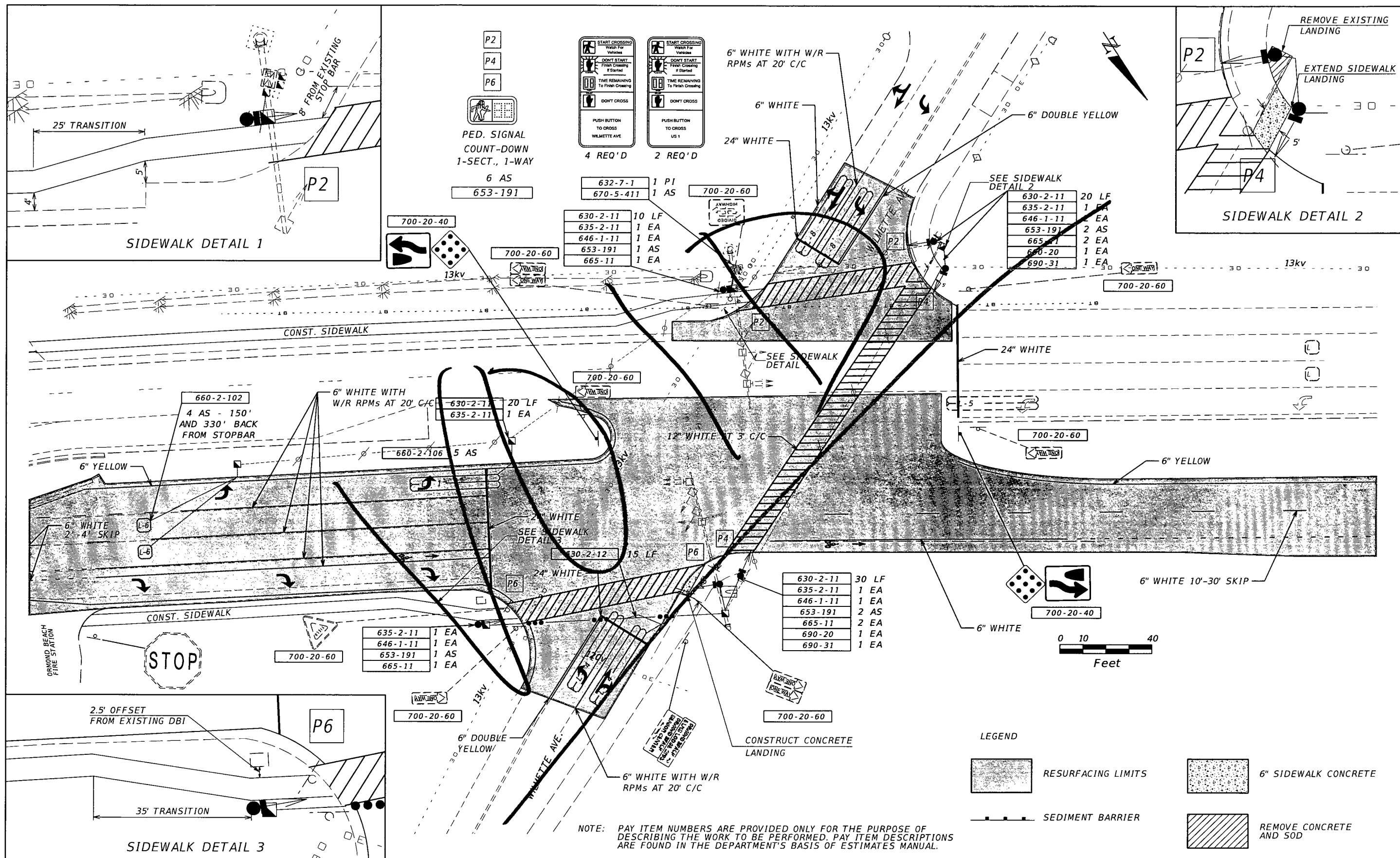
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GUARDRAIL EXTENSION DETAIL AT MP 6.510

Rebecca B. Ball
11/2/14

REVISIONS				 DISTRICT FIVE - DESIGN Rebecca Marie Ball III, P.E. No.: 69131 719 South Woodland Blvd. DeLand, Florida 32720	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			MISCELLANEOUS DETAILS	SHEET NO. 8A
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
1-7-14	2 Added Sheet for Guardrail				5	VOLUSIA	428689-1-52-01		
					<small>\$USERS \$DATES \$TIMES \$FILES</small>				



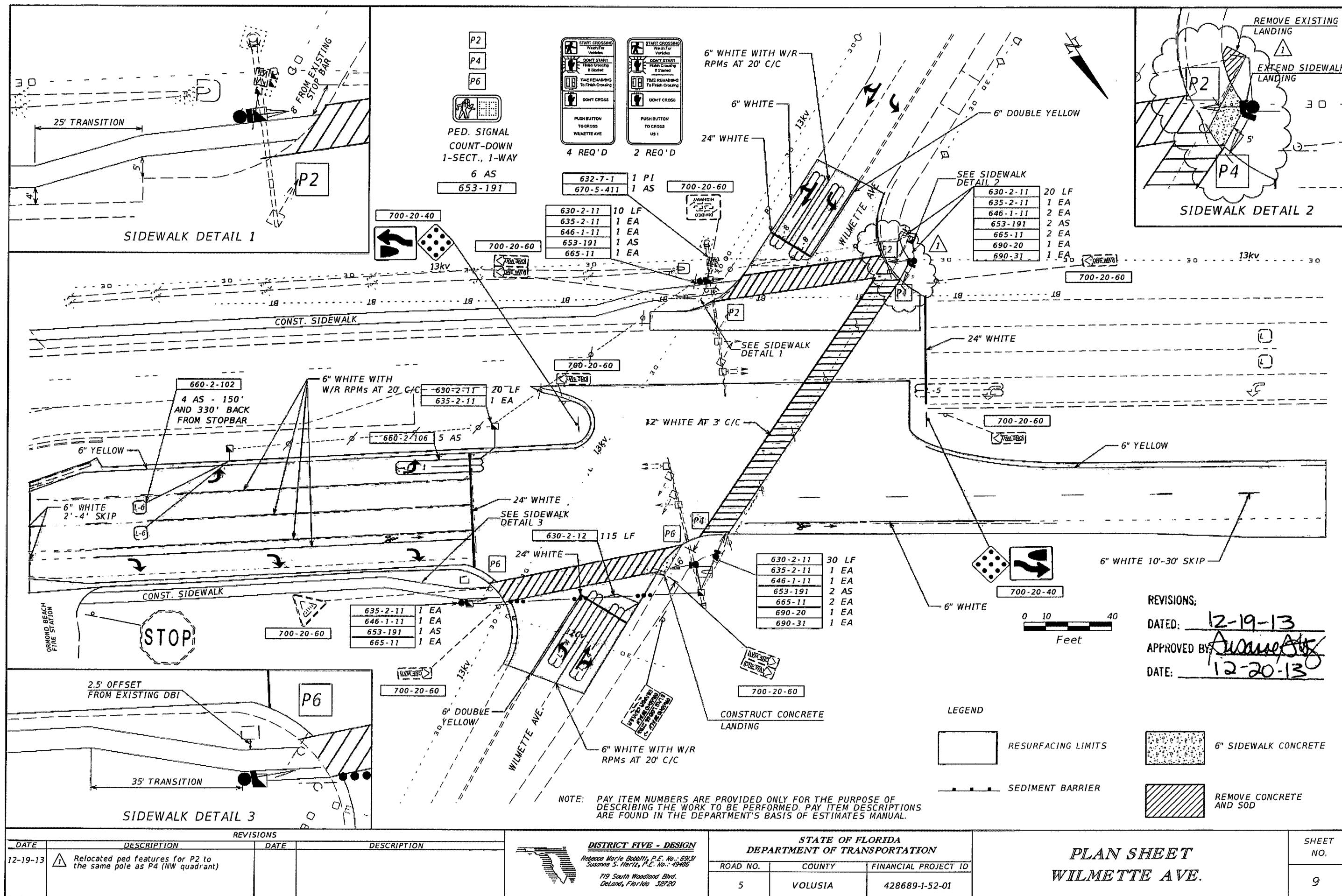
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

DISTRICT FIVE - DESIGN
 Rebecca Morle Bobbitt, P.E. No.: 69131
 Susanne S. Herli, P.E. No.: 49406
 719 South Woodland Blvd.
 Deland, Florida 32720

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
5	VOLUSIA	428689-1-52-01

PLAN SHEET WILMETTE AVE.	SHEET NO. 9
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NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

I. SITE DESCRIPTION:

- A. Construction Activity/Project Limits
The project is located on SR 5 in Volusia County, and begins in Section 16, Township 14 South, Range 32 East
Latitude 29°17'12.47" N Longitude 81°03'51.00" W
The project consists of Milling and Resurfacing of SR 5 from north of Woodland Ave. to South of Nova Rd. in Volusia County. Also included is installation of side walk and resodding of existing shoulders. The total project length is 36904.36 ft.
- B. Sequence of Major Activity and Implementation of Controls
1. Installation of Sediment Barrier
2. Milling and resurfacing
3. Final Sod
- C. Estimate of Area to be Disturbed is 1.05 acres.
The total project area is estimated to be 9.64 acres.
- D. Estimated of Runoff Coefficients, Existing Soil Data and Average Slope
The estimated runoff coefficient before construction: C = 0.92
The estimated runoff coefficient after construction: C = 0.92
The estimated runoff coefficient during construction: C = 0.92
The USDA Soil Conservation Service Soil Survey of the project area.
The estimated drainage area and soil type for each outfall:
Immokalee Tomoka Basin

E. Site Map

Please see the Roadway Construction Plans.

F. Receiving Waters/Wetland Areas

Existing drainage patterns will not be altered from PRE to POST conditions. Stormwater is conveyed by Road side ditches ultimately to Tomoka Basin

Outfall ID	Receiving Water	Lat	Long
Outfall 1	Tomoka Basin	29°17'34.10"N	81°04'23.76"W
Outfall 2	Tomoka Basin	29°17'46.42"N	81°04'46.13"W

2. CONTROLS:

A. Erosion and Sediment Controls

During the construction operations, the following control measures will be used to prevent erosion and sedimentation.

Clearing and grubbing operations are controlled so as to minimize unprotected erodible areas exposed to weather. Areas outside the limits of construction will not be disturbed.

Excavated material will not be deposited in locations where it could be washed away by high water or storm water runoff, and stockpiles shall be covered or enclosed with sediment containment devices.

New and existing structures will be protected from siltation during construction. Under drain systems will remain plugged and offline until the contributing project area has been stabilized.

- * The construction project schedule with erosion and sediment control installation and maintenance tied to specific dates or construction activities.
- * Modifications to the Department's SWPPP Plans due to contractor's proposed construction means, methods and phasing.
The contractor's Erosion Control Plan will be utilized as the first formal update to the SWPPP.
- * Name and phone number of contractor's representative responsible for erosion and sediment control installation and maintenance on a 24 hour basis.

The Contractor is advised that the contract drawings only indicate erosion, sediment, and turbidity controls at locations determined in the design process. However, the Contractor is required to update the SWPPP to reflect any additional controls necessary to prevent the possibility of slitting any adjacent lowland parcel, receiving water, or otherwise violating State and Federal permit requirements.

(1) Stabilization Practices

The contractor shall be responsible for:

- a) Erosion and sediment control measures are to be placed as the first step in construction. Sediment control devices will be employed as a perimeter defense against any transportation of silt off the site.
- b) Stabilization measures shall be initiated for erosion and sediment control on disturbed areas as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 7 days after the construction activity in the portion of the site has temporarily or permanently ceased.
- c) Permanent soil erosion control measures for all slopes, channels, ditches or any Disturbed land areas shall be completed immediately after final grading. When it is not possible to permanently protect a disturbed area immediately after grading operations temporary erosion control measures shall be installed. All temporary protection shall be maintained until permanent measures are in place and established.
- d) The Contractor shall furnish, install, maintain and subsequently remove, all necessary erosion control, including but not limited to sediment barriers, turbidity barriers and any other miscellaneous items as indicated within the contract document, or as required per applicable standards or the engineer.

(2) Structural Practices

The following structural practices may be included as pay items in the summary of quantities within the construction plans:

- Sediment barrier
- Inlet Protection System
- Final Sod

B. Storm Water Management and Monitoring

The storm water runoff from unstabilized construction areas must be treated prior to discharge into Indian River via controlled ditches.

C. Other Controls

- (1) Waste Disposal
To be developed as part of the contractor's erosion control plan.
- (2) Off-site Tracking/Spillage
To be developed as part of the contractor's erosion control plan.
- (3) Sanitary Waste
To be developed as part of the contractor's erosion control plan.
- (4) Fertilizers and Pesticides
To be developed as part of the contractor's erosion control plan.
- (5) Non-Storm Water Discharges and Hazardous Waste
To be developed as part of the contractor's erosion control plan.

When the Contractor encounters a spill, construction will stop and work will not resume until directed by the engineer. Disposition of hazardous waste will be made in accordance with any requirements and regulations of any local, state, or federal agency have jurisdiction.
The contractor encounters contaminated soil or groundwater, contact the District Hazardous Materials Coordinator at (386) 943-5395.

D. Approved state and Local Plans or Permits


FDEP Permit to be Obtained by Contractor

3. MAINTENANCE:

The contractor shall be responsible for maintaining all pollution prevention controls. Daily inspections shall be made by the contractor to determine the effectiveness of erosion, sedimentation, turbidity, and pollution control measures. Remedial action shall be performed immediately.

4. INSPECTION:

The contractor is required to inspect all erosion control features at least once every seven calendar days and within 24 hours of the end of a storm of 0.5 inches (12.7 mm) or greater. In addition, maintain all erosion control features as required herein and as specified in State and/or Federal environmental regulatory permits. This includes, but is not limited to, the daily review of the location of sediment barriers in areas where construction activities have changed the natural contour and drainage runoff to ensure that sediment barriers are properly located for effectiveness. The contractor will use FDOT form 650-040-03 to report all inspection findings and corrective actions taken as a result of the inspection. The Contractor will sign each inspection report and submit it weekly to the Engineer.

REVISIONS				 DISTRICT FIVE - DESIGN Rebecca Marie Bobbitt, P.E. No.: 69131 719 South Woodland Blvd. DeLand, Florida 32720	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			STORM WATER POLLUTION PREVENTION PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		10
					5	VOLUSIA	428689-1-52-01		

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SUMMARY OF TRAFFIC ITEMS

PAY ITEM NO.	DESCRIPTION	UNIT	GRAND TOTAL	
			PLAN	FINAL
630-2-II	SIGNALS - CONDUIT (UNDERGROUND - TRENCHED)	LF	80	80
630-2-12	SIGNALS - CONDUIT (UNDERGROUND - DIRECTIONAL BORE)	LF	115	115
632-7-I	SIGNALS - CABLE WITHIN INTERSECTION (F&I)	PI	1	1
635-2-II	PULL & JUNCTION BOXES, F & I, PULL BOX	EA	9	9
646-1-II	ALUMINUM SIGNAL POLE	EA	5	5
653-19I	PEDESTRIAN SIGNAL (F&I) (STANDARD) (1WAY)	AS	6	6
660-2-102	LOOP ASSEMBLY - F & I, TYPE B	AS	4	4
660-2-106	LOOP ASSEMBLY - F & I, TYPE F	AS	5	5
665-II	PEDESTRIAN DETECTOR - STANDARD	EA	6	6
670-5-4II	TRAFFIC CONTROLLER, MODIFY	AS	1	1
690-20	SIGNAL PEDESTRIAN ASSEMBLY, REMOVE	EA	2	2
690-3I	SIGNAL PEDESTAL - REMOVE	EA	2	2
690-100	SIGNAL EQUIPMENT, MISC. REMOVE	PI	1	1
700-20-40	SINGLE POST SIGN, RELOCATE	AS	27	27
700-20-60	SINGLE POST SIGN, REMOVE	AS	10	10
705-II-I	DELINEATOR, FLEXIBLE TUBULAR	EA	16	16
710-90	PAINTED PAVEMENT MARKINGS (FINAL SURFACE)	LS	1	1
*	RETRO-REFLECTIVE PAVEMENT MARKERS (W/R)	EA	228	228
*	RETRO-REFLECTIVE PAVEMENT MARKERS (Y/Y)	EA	8	8
*	TRAFFIC STRIPE, (SKIP) (10'- 30' WHITE)	GM	1.276	1.276
*	TRAFFIC STRIPE (SOLID) (6" WHITE)	NM	1.385	1.385
*	TRAFFIC STRIPE (SOLID) (YELLOW 6")	NM	1.218	1.218
*	TRAFFIC STRIPE (SOLID) (WHITE 8")	LF	112	112
*	TRAFFIC STRIPE (SOLID) (WHITE 12")	LF	2432	2432
*	TRAFFIC STRIPE (SOLID) (WHITE 18")	LF	94	94
*	TRAFFIC STRIPE (SOLID) (WHITE 24")	LF	250	250
*	TRAFFIC STRIPE (SKIP) (WHITE 2'- 4')	LF	184	184
*	TRAFFIC STRIPE (SKIP) (WHITE 6'- 10')	LF	222	222
*	TRAFFIC STRIPE (SKIP) (YELLOW 6'- 10')	LF	210	210
*	DIRECTIONAL ARROWS	EA	15	15
*	PAINTED PAVEMENT MARKINGS (MESSAGEXBIKE SYMBOL)	EA	10	10
*	PAINTED PAVEMENT MARKINGS (MESSAGEXBIKE ARROW)	EA	10	10
*	PAINTED PAVEMENT MARKINGS (MESSAGEXONLY)	EA	2	2
745-70-12	TMS LOOP ASSEMBLY (F&I, 2 LOOPS PER LANE)	AS	2	2

* THESE QUANTITIES ARE PAID FOR UNDER PAINTED PAVEMENT MARKINGS (FINAL SURFACE), LUMP SUM - ITEM NO. 710-90. THESE QUANTITIES ARE FOR ONE APPLICATION; SEE SPECIFICATION 710 FOR THE NUMBER OF APPLICATIONS REQUIRED.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



DISTRICT FIVE
Susanne S. Hertz
P.E. No.: 49486
719 South Woodland Blvd.
DeLand, Florida 32720

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
5	VOLUSIA	428689-1-52-01

SUMMARY OF TRAFFIC ITEMS
GENERAL NOTES

SHEET
NO.

11

SIGNING AND PAVEMENT MARKING GENERAL NOTES:

1. ALL REMOVED SIGNS AND THEIR SUPPORTS BECOME THE PROPERTY OF THE CONTRACTOR TO BE DISPOSED OF PROPERLY UNLESS OTHERWISE NOTED ON THE PLANS.
2. ALL EXISTING SIGNS ARE TO REMAIN UNLESS OTHERWISE NOTED ON THE PLANS.
3. ALL SPECIAL EMPHASIS CROSSWALKS SHALL CONSIST OF 12 INCH PREFORMED STRIPES SPACED 3 FEET APART.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE AND REPLACE ALL EXISTING SIGNS THAT CONFLICT WITH CONSTRUCTION OPERATIONS. IF SIGNS ARE DAMAGED BY THE CONTRACTOR, THE SIGNS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
5. THE LANE WIDTH DIMENSIONS SHOWN IN THE SIGNING AND PAVEMENT MARKING PLANS REFLECT THE NOMINAL LANE WIDTHS, NOT THE DISTANCE BETWEEN THE STRIPES. SEE INDEX 17346 FOR PLACEMENT OF LANE LINES.
6. ALL DELINEATORS WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND REPLACED.

SIGNALIZATION GENERAL NOTES:

1. UNLESS OTHERWISE NOTED ALL REMOVED EQUIPMENT SHALL BE TURNED OVER TO VOLUSIA COUNTY TRAFFIC ENGINEERING AT 455 WALKER ST, HOLLY HILL FOR DELIVERY AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL NOTIFY VOLUSIA COUNTY ENGINEERING, THOMAS EDWARDS AT (386)736-5968 TWO (2) BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION.
2. THE CONTRACTOR IS REQUIRED TO INSPECT THE INSTALLATION OF THE TRAFFIC SIGNALS IN ACCORDANCE WITH FDOT SPECIFICATION 105-8.10. THE CONTRACTOR SHALL COORDINATE THE FINAL ACCEPTANCE INSPECTION IN ACCORDANCE WITH FDOT SPECIFICATION 611-2.2 WITH THE ENGINEER AT LEAST TEN DAYS IN ADVANCE. THOMAS EDWARDS, VOLUSIA COUNTY AND THE TRAFFIC SIGNAL QUALITY ASSURANCE MANAGER AT (386) 943-5318 SHOULD ALSO BE CONTACTED TEN DAYS BEFORE THE INSPECTION IS TO BE PERFORMED SO THEY MAY BE PRESENT.
3. IN THE EVENT PERMANENT VEHICLE DETECTION IS DISRUPTED, PROVIDE AN ALTERNATIVE MEANS OF DETECTION TO ALL LANES APPROACHING THE INTERSECTION, SEPARATING EACH MOVEMENT WITH PREVIOUSLY HAD DETECTION. THE TYPE OF DETECTOR SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION. EQUIPMENT SHALL ONLY DETECT THE INTENDED MOVEMENT.
4. ALUMINUM SIGNAL POLES SHALL INCLUDE A BREAKAWAY BASE AND SLIP FOOTER.
5. TYPE 'F' LOOPS SHALL BE 40' X 6' AND EXTEND 5' BEYOND THE STOP BAR UNLESS OTHERWISE NOTED IN THESE PLANS.
6. ADVANCED LOOPS SHALL BE TYPE 'B' LOOPS (6' X 6') AND SHALL BE PLACED 150' AND 330' FROM THE STOP BAR.
7. PULL BOXES AND COVERS SHALL BE NON-METALLIC CONSTRUCTION WITH RECESSED COVER LOGO "TRAFFIC SIGNAL".
8. EXISTING LOOPS DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
9. WHENEVER POSSIBLE, ALL LOOPS AND SYSTEM SENSORS SHALL BE CUT INTO THE ASPHALTIC CONCRETE STRUCTURAL COURSE PRIOR TO PLACEMENT OF THE FRICTION COURSE. ALL LOOP LEAD-IN CABLES SHALL BE PLACED IN CONDUIT.
10. CONTRACTOR SHALL REMOVE ALL ABANDONED PULLBOXES AND EXISTING LOOP LEAD-INS.

NOTE: PAY ITEM NUMBERS ARE PROVIDED ONLY FOR THE PURPOSE OF DESCRIBING THE WORK TO BE PERFORMED. PAY ITEM DESCRIPTIONS ARE FOUND IN THE DEPARTMENT'S BASIS OF ESTIMATES MANUAL.

SUMMARY OF BIKE LANE SYMBOLS			
LOCATION	SIDE	QUANTITY	
		P	F
Just N. of Hernandez	RT	1	1
Just N. of Rosewood	RT	1	1
Just N. of Kenilworth	RT	1	1
S. approach of Wilmette	RT	1	1
Just N. of Wilmette	RT	1	1
Just N. of Melrose	RT	1	1
At Approx. MP 6.53	RT	1	1
At Approx. MP 6.73	RT	1	1
At Approx. MP 6.89	RT	1	1
At Approx. MP 7.11	RT	1	1

MAINLINE SIGNING SUMMARY						
SIGN ASSEMBLY	LOCATION	SIDE	PAY ITEM	QUANTITY		NOTES
				P	F	
No parking on R/W	Between Dix and Hernandez	RT	700-20-40	1	1	1,2
R3-16	S of Hernandez median opening	MED	700-20-40	1	1	1
M3-1, M1-4	N of Hernandez	RT	700-20-40	1	1	1,2
R7-1M (DOUBLE ARROW)	N of Hernandez	RT	700-20-40	1	1	1,2
No parking on R/W	SE quad of Rosewood	RT	700-20-40	1	1	1,2
R6-1	SE quad of Rosewood	RT	700-20-40	1	1	1,2
R2-1, R6-1	S nose of median at Rosewood	MED	700-20-40	1	1	1
R2-1, R6-1	N nose of median at Rosewood	MED	700-20-40	1	1	1
R6-1, R6-1	NE quad of Rosewood	RT	700-20-40	1	1	1
W3-3	N of Rosewood	RT	700-20-40	1	1	1
R2-1	N of Rosewood	RT	700-20-40	1	1	1
No parking on R/W	N of Rosewood	RT	700-20-40	1	1	1
R5-1	S nose of median at Kenilworth	MED	700-20-40	1	1	1
R6-1, R5-1	In directional island at Kenilworth	MED	700-20-40	1	1	1
R6-1, R5-1	In directional island at Kenilworth	MED	700-20-40	1	1	1
R3-16	S of Melrose median opening	MED	700-20-40	1	1	1
R6-1, R5-1	In median at Melrose	MED	700-20-40	1	1	1
No parking on R/W	North of Melrose	RT	700-20-40	1	1	1
No parking on R/W	North of Melrose	RT	700-20-40	1	1	1

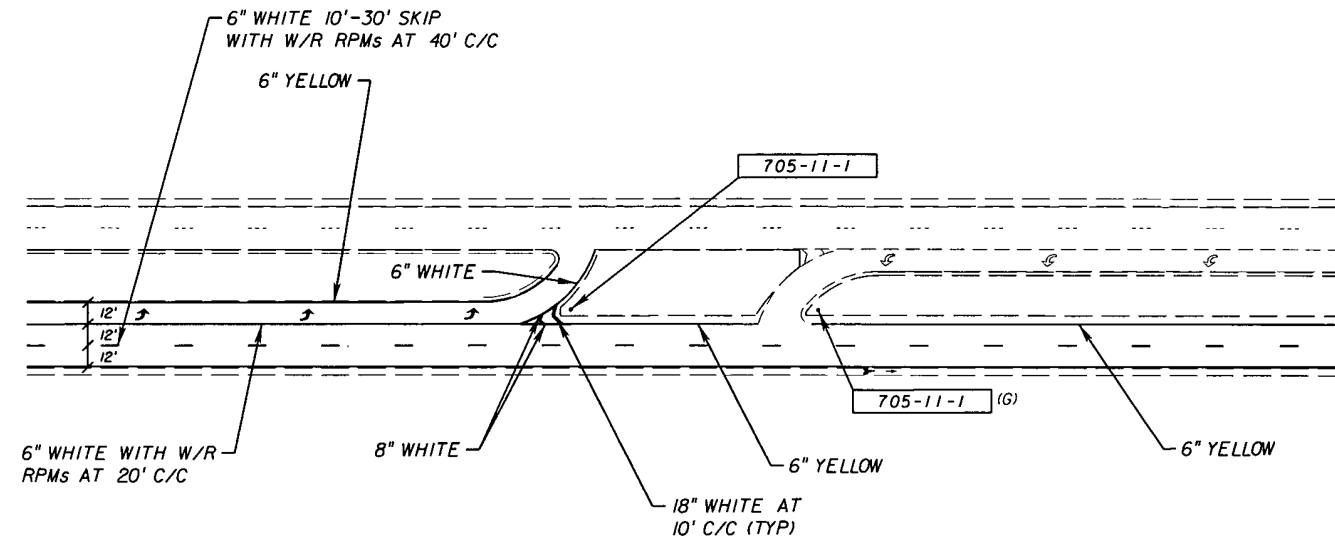
NOTES:
1. INSTALL EXISTING SIGN ON BREAKAWAY POST.
2. INSTALL SIGN BEHIND PROPOSED SIDEWALK.

SIDE STREET TABULATION							
LOCATION	STREET NAME	SIDE OF PROJ.	24" WHITE STOP BAR (LF)	12" WHITE STANDARD CROSSWALK	SIGNING PAY ITEM	SIGNS INCLUDED IN PAY ITEM	OTHER PAVEMENT MARKINGS
5.864	WOODLAND AVE	RT	15	74	700-20-40	RI-1, FTP-55-06R, 2 SNS	-
5.910	HERNANDEZ AVE	RT	20	130	700-20-40	RI-1, R6-3a, 2 SNS	-
6.027	ROSEWOOD AVE	RT	32	135	700-20-40	RI-1, R6-3a, 2 SNS	-
6.15	KENILWORTH AVE	RT	15	104	700-20-40	RI-1, FTP-55-06R, 2 SNS	RT ARROW & ONLY
					700-20-60	POST ONLY	
6.15	DRIVEWAY	LT	16	102	700-20-40	RI-1, FTP-55-06R, 2 SNS	RT ARROW & ONLY
					700-20-60	POST ONLY	
6.167	FIRESTATION DRIVEWAY	RT	-	-	700-20-40	RI-1	-
	TOTALS		98	545			

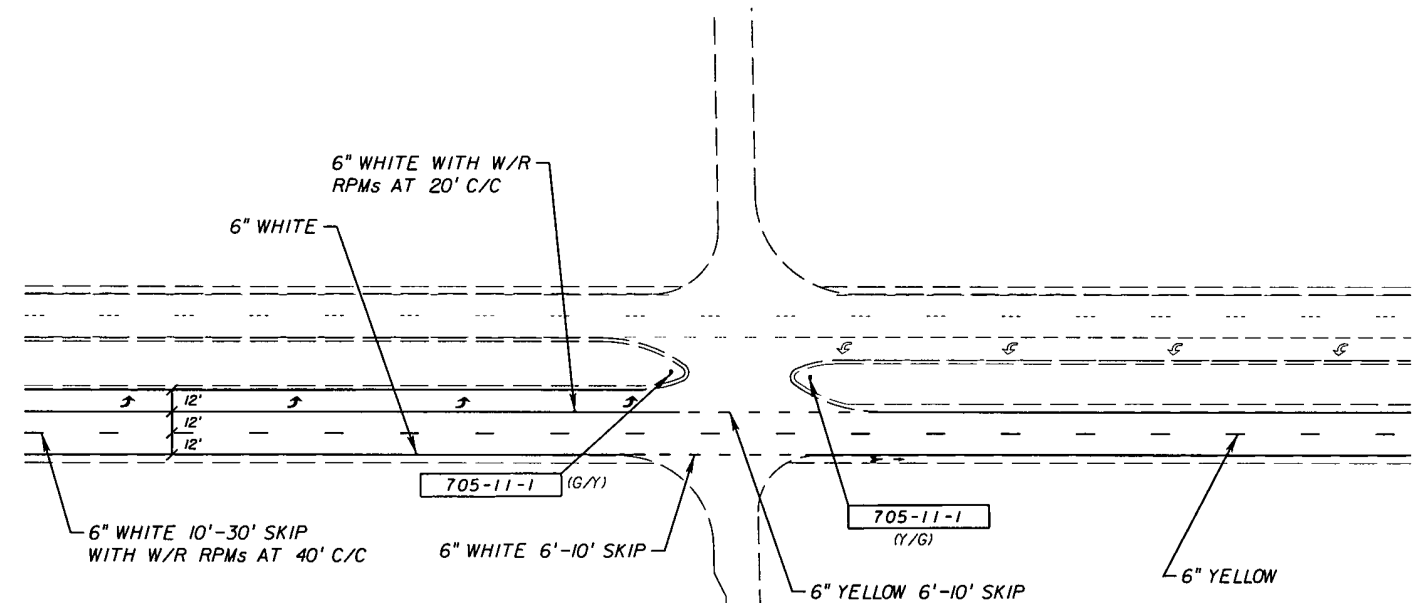
NOTES:
1. WHERE CROSSWALK MARKINGS ARE NOTED AT LEFT, THEY SHALL BE 7' ON CENTER AND CENTERED ON THE LANDING AREAS.
2. STOP BARS SHALL BE 4' BEHIND THE CROSSWALKS WITH STOP SIGNS LOCATED ADJACENT, UNLESS OTHERWISE NOTED.

NOTE: PAY ITEM NUMBERS ARE PROVIDED ONLY FOR THE PURPOSE OF DESCRIBING THE WORK TO BE PERFORMED. PAY ITEM DESCRIPTIONS ARE FOUND IN THE DEPARTMENT'S BASIS OF ESTIMATES MANUAL.

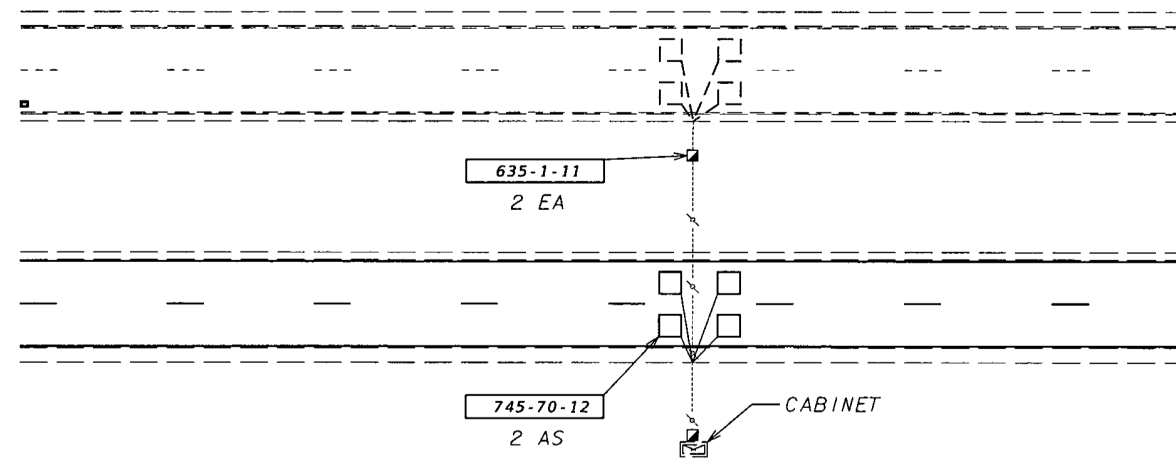
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TYPICAL DIRECTIONAL MEDIAN OPENING STRIPING



TYPICAL FULL MEDIAN OPENING STRIPING




COUNT STATION NUMBER 791019
 MP 6.576
 APPROX 1300 FT NORTH OF MELROSE AVE.
 EXISTING CABINET ON EAST SIDE OF THE ROADWAY

STANDARD NOTES FOR TRAFFIC MONITORING SITES

CONTRACTOR SHALL:

1. NOTIFY THE DISTRICT TRAFFIC OPERATIONS OFFICE AT LEAST TEN (10) WORKING DAYS PRIOR TO BEGINNING ANY WORK. CONTACT THE DISTRICT DATA COLLECTION MANAGER AT (386) 943-5380.
2. USE THE EXISTING TYPE III TRAFFIC COUNT CABINET AND EXISTING CONDUIT.
3. FURNISH AND INSTALL PULLBOXES AND SPEED CLASSIFICATION LOOP ASSEMBLIES PER DESIGN STANDARDS 17700, 17721 and 17900.
4. ALL TMS LOOPS SHALL BE INSTALLED IN THE FRICTION COURSE.
5. REMOVE THE EXISTING PULLBOXES AND REPLACE WITH NEW PULLBOXES WITH CONCRETE APRONS PER INDEX 17700.
6. IMMEDIATELY AFTER COMPLETION OF INSTALLATION AND PRIOR TO FINAL ACCEPTANCE, CONTACT THE DISTRICT DATA COLLECTION MANAGER AT 386-943-5380

NOTE: PAY ITEM NUMBERS ARE PROVIDED ONLY FOR THE PURPOSE OF DESCRIBING THE WORK TO BE PERFORMED. PAY ITEM DESCRIPTIONS ARE FOUND IN THE DEPARTMENT'S BASIS OF ESTIMATES MANUAL.

REVISIONS				 DISTRICT FIVE Susanne S. Hertz P.E. No.: 49486 719 South Woodland Blvd. DeLand, Florida 32720	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SIGNING AND MARKING TYPICAL DETAILS	SHEET NO. 13
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					5	VOLUSIA	428689-1-52-01		

rd552br

4/30/2013

10:49:07 AM

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NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS - AS BUILT

FINANCIAL PROJECT ID 428689-1-52-01

VOLUSIA COUNTY (79030)

STATE ROAD NO. 5

SR 5 / US 1, FROM SOUTH OF WOODLAND AVE.
TO SOUTH OF SR 5A (NOVA RD.)

CONSTRUCTION CONTRACT NO. T5454

COMPONENTS OF CONTRACT PLANS SET

ROADWAY, SIGNING AND PAVEMENT MARKING AND SIGNALIZATION PLANS

ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SUMMARY OF PAY ITEMS
3	TYPICAL SECTION
4	GENERAL NOTES
5-6	SUMMARY OF QUANTITIES
7	SIDEWALK CONSTRUCTION DETAILS
8	MISCELLANEOUS DETAILS
9	PLAN SHEET- WILMETTE AVE.
10	STORM WATER POLLUTION PREVENTION PLAN

SIGNING AND PAVEMENT MARKING
AND SIGNALIZATION PLANS

11	SUMMARY OF TRAFFIC ITEMS
	GENERAL NOTES
12	SIGNING AND MARKING SUMMARIES
13	SIGNING AND MARKING TYPICAL DETAILS

LIST OF REVISED INDEX DRAWINGS

INDEX NO.	SHEET NO
-----------	----------

BEGIN PROJECT	MP 5.841
END PROJECT	MP 7.166
PROJECT LENGTH	1.325 MI

ROADWAY PLANS
ENGINEER OF RECORD:

REBECCA M. BOBBITT, P.E.
P.E. NO.: 69131

ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:

REBECCA M. BOBBITT, P.E.
719 S. WOODLAND BLVD.
DELAND, FL 32720

PLANS PREPARED BY:

FDOT DISTRICT 5
ROADWAY DESIGN
719 S. WOODLAND BLVD.
DELAND, FL 32720

SIGNING AND PAVEMENT MARKING
AND SIGNALIZATION PLANS
ENGINEER OF RECORD:

SUSANNE S. HERTZ P.E.
P.E. NO.: 49486

SIGNING AND PAVEMENT MARKING AND SIGNALIZATION
SHOP DRAWINGS TO BE SUBMITTED TO:

SUSANNE S. HERTZ, P.E.
719 S. WOODLAND BLVD.
DELAND, FL 32720

PLANS PREPARED BY:

FDOT, DISTRICT 5
719 S. WOODLAND BLVD.
DELAND, FL 32720

GOVERNING STANDARDS AND SPECIFICATIONS:
Florida Department of Transportation, 2013 Design Standards and
revised Index Drawings as appended herin, and 2013 Standard
Specifications for Road and Bridge Construction, as amended by
Contract Documents.

For Design Standards click on the "Design Standards" link at the
following web site:
<http://www.dot.state.fl.us/rddesign/>

For the Standard Specifications for Road and Bridge
Construction click on the "Specifications" link at the following
web site.
<http://www.dot.state.fl.us/specificationsoffice/>

NOTE: THE SCALE OF THESE PLANS MAY
HAVE CHANGED DUE TO REPRODUCTION.

PLAN REVISIONS

ROADWAY SHEET 9 (REVISED 12-19-13)

KEY SHEET REVISIONS

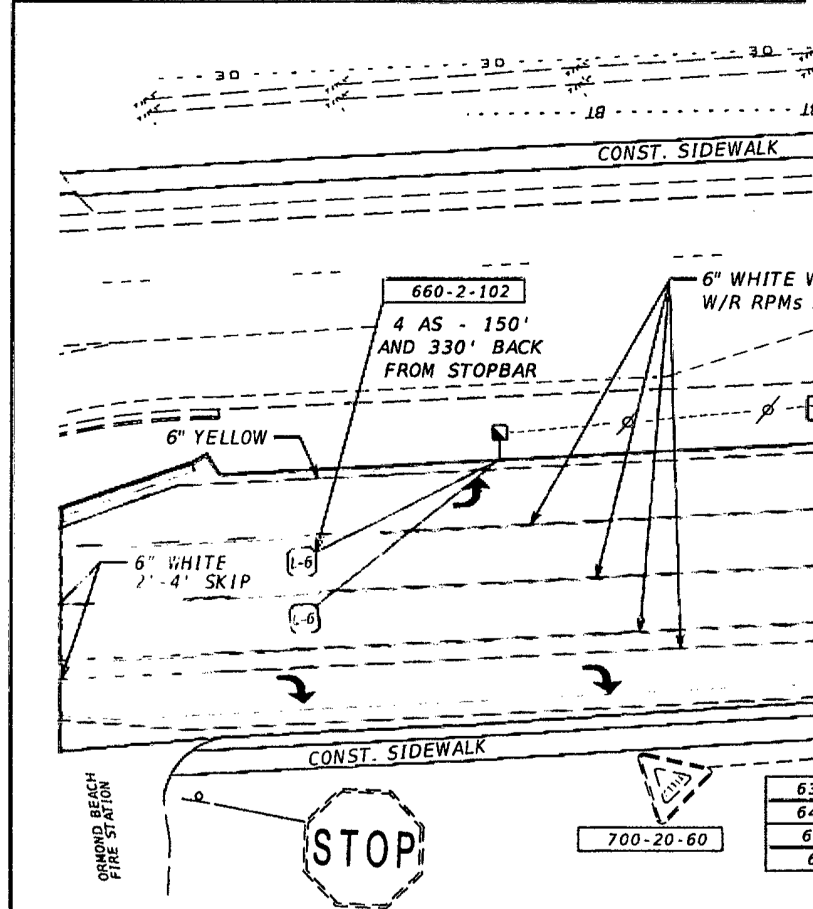
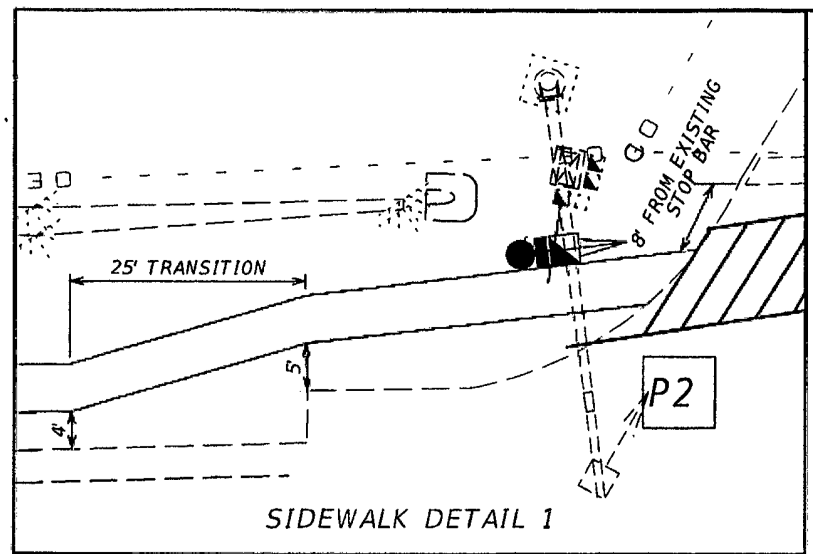
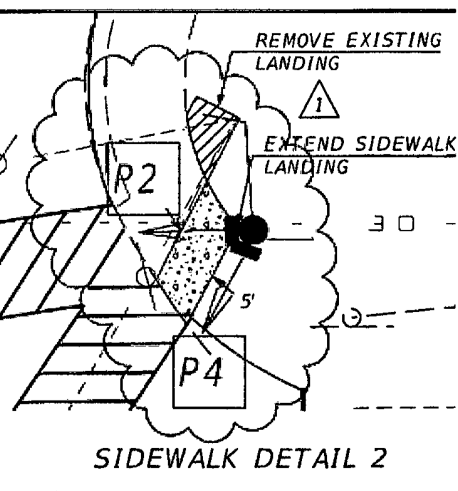
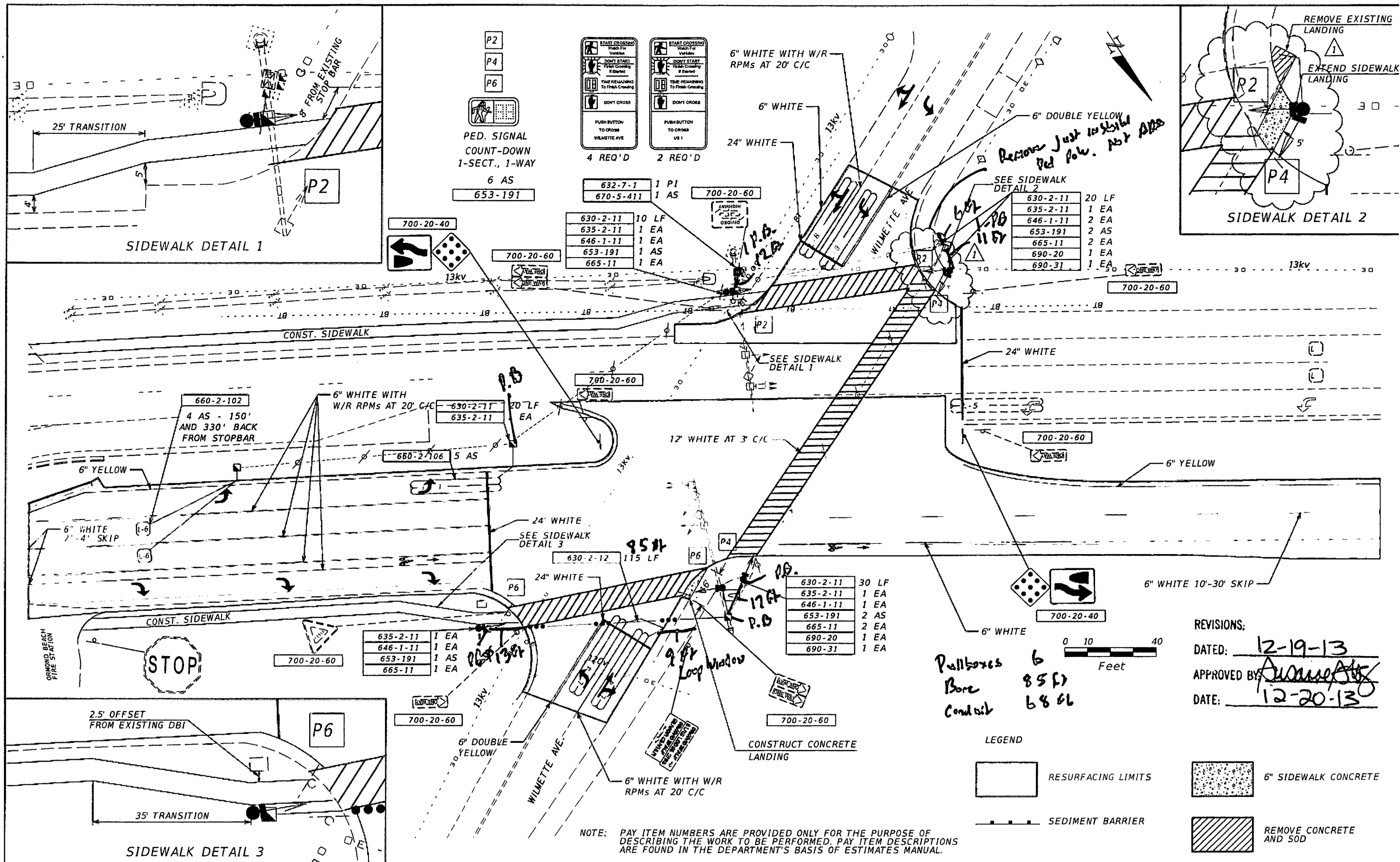
FDOT PROJECT MANAGER: REBECCA M. DAVIS, P.E.

FDOT PROJECT DESIGNER: JAMES BLACKFORD, P.E.

REVISIONS:

DATED: 12-19-13
APPROVED BY: [Signature]
DATE: 12-20-13

FISCAL YEAR	SHEET NO.
14	1



REVISIONS:
 DATED: 12-19-13
 APPROVED BY: [Signature]
 DATE: 12-20-13

Pullboxes 6
 Bore 85 ft
 Conduit 68 ft

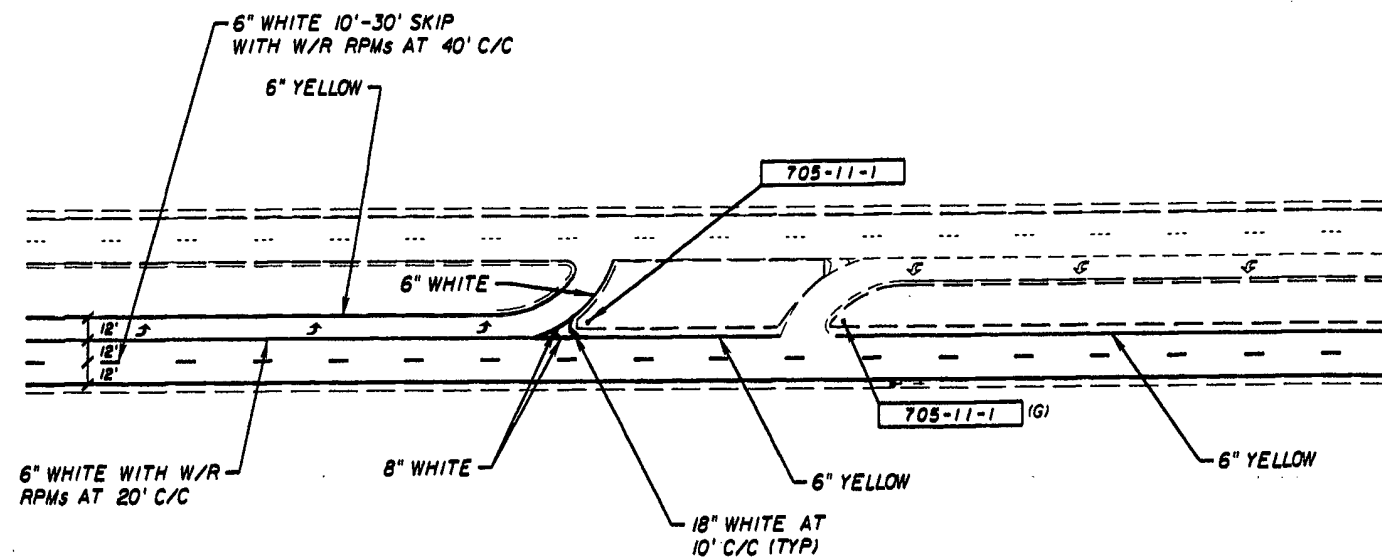
LEGEND

[Box]	RESURFACING LIMITS	[Pattern]	6" SIDEWALK CONCRETE
[Line]	SEDIMENT BARRIER	[Pattern]	REMOVE CONCRETE AND SOD

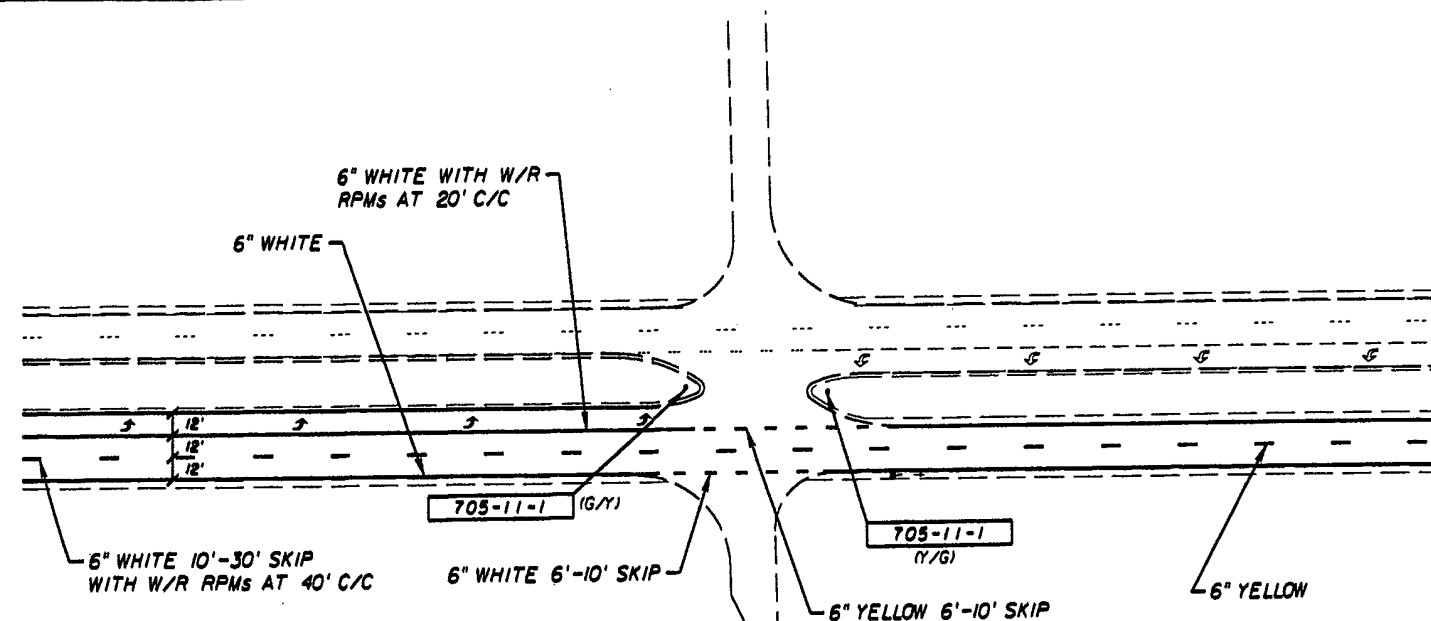
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REVISIONS		DISTRICT FIVE - DESIGN		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET WILMETTE AVE.	SHEET NO. 9
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
12-19-13	Relocated ped features for P2 to the same pole as P4 (NW quadrant)			5	VOLUSIA	428689-1-52-01		

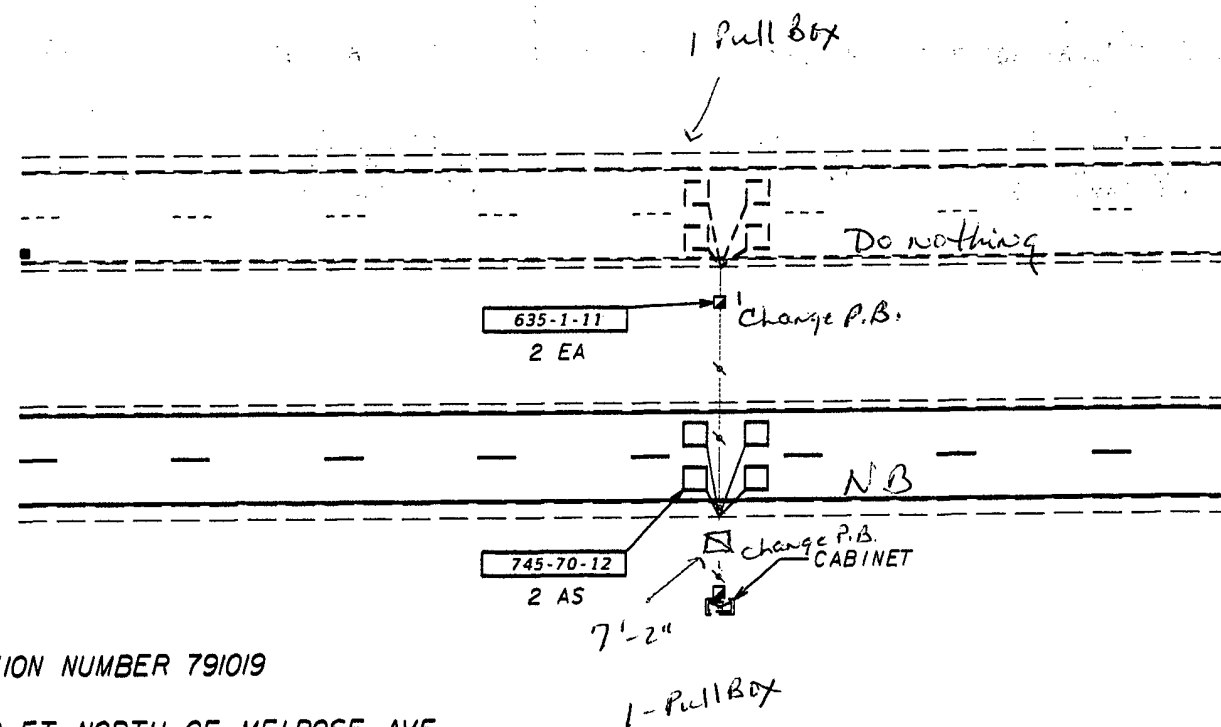
13006088 - 2 PullBoxes
7FT Conduit



TYPICAL DIRECTIONAL MEDIAN OPENING STRIPING



TYPICAL FULL MEDIAN OPENING STRIPING



COUNT STATION NUMBER 791019
MP 6.576
APPROX 1300 FT NORTH OF MELROSE AVE.
EXISTING CABINET ON EAST SIDE OF THE ROADWAY

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



DISTRICT FIVE
Susanne S. Hertz
P.E. No.: 49486
719 South Woodland Blvd.
Deland, Florida 32720

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
5	VOLUSIA	428689-1-52-01

**SIGNING AND MARKING
TYPICAL DETAILS**

SHEET
NO.
13