



RFP 2016-0026 - ADDENDUM 2

OFFICE PARK ROAD / POPE AVE / NEW ORLEANS ROAD INTERSECTION IMPROVEMENT PROJECT Town of Hilton Head Island, South Carolina

Date Issued: September 1, 2016

**Item 1. Questions or requests for clarification date has been extended.
Questions will be received until September 7, 2016 at 4:30 p.m.**

Answers will be sent to contractors by September 12, 2016 at 4:30 p.m.

Item 2. TEMPORARY TRAFFIC SIGNAL PLANS

An updated wood and span wire temporary traffic signal plan is included as Attachment 1. This is to be utilized during Phase 2 and Phase 3 of the Traffic Control Plans.

The mast arm traffic signal plan as included in the bid set of plans is included as Attachment 2. This shall be installed during Phase 3 and Phase 4 of the Traffic Control Plans.

The Traffic Control Plans have been updated to incorporate the red-lined pathway traffic control plans from Addendum 1. These are included as Attachment 3. The updated Traffic Control Plans can replace the Traffic Control Plans in the bid set of plans and from Addendum 1.

Attachments:

Attachment 1: Temporary Traffic Signal Plan
Attachment 2: Mast Arm Traffic Signal Plan
Attachment 3: Traffic Control Plans (updated)

Reminder:

New Question Deadline is September 7, 2016 at 4:30 PM

Proposal Opening Deadline is September 20, 2016 at 2:00 PM

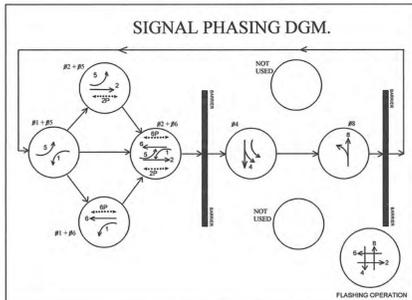
SIGNAL EQUIPMENT

ONE (1) 8 PHASE FULLY ACTUAL STANDARD 2070 CONTROLLER WITH FLASHER, SIGNAL MONITOR UNIT, AND GROUND-MOUNTED MODEL 332 CABINET (EXISTING)

FOUR (4) SCDOT STD. WOOD POLES (NEW)
FOUR (4) SCDOT STD. PEDESTRIAN POLES (EXISTING - TO BE RELOCATED)

SIGNAL HEADS (NEW)

HEAD NO.	16	2	4A	4B	52	6	8A	8B	2P	6P
LENS	(R) (Y) (G)									
PHASE	1 6	2 4	4 5 2	6 8	8 2P	6P				
SIZE	12"	12"	12"	12"	12"	12"	16"	16"		
QUANTITY	1	1	1	1	1	1	2	2		



PHASE BANK 1

PHASE	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
WALK	0	34				38			0						
FLASH WALK	1	26				22			1						
VEH RECALL	2	15	60			25	60		15	3	PHASE 3	60			PHASE 1
VEH RECALL	3														
VEH RECALL	4														
VEH RECALL	5														
VEH RECALL	6														
VEH RECALL	7														
VEH RECALL	8	15	60			25	60		15	3	PHASE 3	60			PHASE 1
VEH RECALL	9														
VEH RECALL	A														
VEH RECALL	B														
VEH RECALL	C														
VEH RECALL	D														
VEH RECALL	E	3.5	3.5			3.2	3.5	3.5							
VEH RECALL	F	2.5	2.5			3.3	2.5	2.5							

EMERGENCY VEHICLE PREEMPTION OPERATION

PREEMPTION SYSTEM IS GTT OPTICOM GPS MODEL 764 SERIES.
GPS RADIO ANTENNA IS CABINET MOUNTED.
DETECTOR - PHASE ASSIGNMENTS AS OUTLINED IN CONTROLLER FUNCTION FLAGS.
ALL CONFLICTING VEHICLE & PED PHASES TERMINATED UPON PREEMPTION CALL USING BACKGROUND CLEARANCE INTERVALS.
PREEMPT PHASE TO REMAIN ACTIVE WHILE CALL IS PRESENT.
* SIGNAL RETURNS TO PHASE 2-6 AFTER CALL TERMINATES USING PREEMPT PHASE BACKGROUND CLEARANCE INTERVALS.

SIGNAL DISPLAY SEQUENCE

SIGNAL HEAD NUMBER	#1 --- #5				#2 --- #6				#4				#8				
	R/W	CLEAR TO	BARR	R/W	R/W	CLEAR TO	BARR	R/W	CLEAR TO	BARR	R/W	CLEAR TO	BARR	R/W	CLEAR TO	BARR	
16	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
2	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
4A	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
4B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
52	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
6	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
8A	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
8B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
2P	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW
6P	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW

SIGNAL DISPLAY SEQUENCE

SIGNAL HEAD NUMBER	#1 --- #6				#2 --- #5				#3 --- #8				#4 --- #7			
	R/W	CLEAR TO	BARR	R/W	R/W	CLEAR TO	BARR	R/W	CLEAR TO	BARR	R/W	CLEAR TO	BARR	R/W	CLEAR TO	BARR
16	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
2	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
4A	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
4B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
52	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
6	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
8A	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
8B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
2P	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW
6P	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW

NOTES:

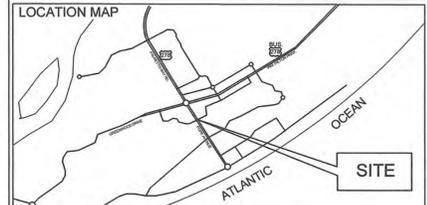
- TEMPORARY TRAFFIC SIGNAL TO CONTROL TRAFFIC DURING PHASES II AND III OF CONSTRUCTION. POPE AVENUE CROSSINGS BY PEDESTRIANS TO BE PROHIBITED DURING THIS TIME. PEDESTRIAN DETOURS WILL BE SIGNED.
- ENSURE THAT THERE ADEQUATE SIGNAL WIRE IS PROVIDED AND COILED ON SPAN WIRE TO RELOCATE SIGNAL HEADS 4A, 4B, 8A, AND 8B 50' TO THE NORTH TO SERVE TRAFFIC DURING CONSTRUCTION PHASE III.
- TEMPORARY SIGNAL TO OPERATE FIXED-TIMED DURING CONSTRUCTION PHASES II AND III.

PHASE FUNCTION FLAGS

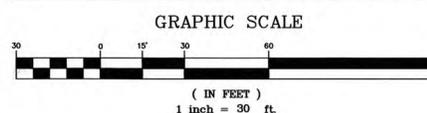
PHASES	1	2	3	4	5	6	7	8
0 PERMIT								
1 RED LOCK								
2 YELLOW LOCK								
3 VEH RECALL								
4 PED RECALL								
5								
6 REST IN WALK								
7 RED REST								
8 DOUBLE ENTRY								
9 MAX RECALL								
A SOFT RECALL								
B MAX 2								
C COND SERV								
D EXT CONT CALL								
E YELLOW START								
F FIRST PHASES								

CONTROLLER FUNCTION FLAGS

PHASES	1	2	3	4	5	6	7	8
0 EXCLUSIVE PH								
1 EXT. PERM 1								
2 EXT. PERM 2								
3 EXCL. PED								
4 PE NON-LOCK								
5 PED 2P								
6 PED 4P								
7 PED 6P								
8 PED 8P								
9 FLASH YELLOW								
A LO PRIORITY A								
B LO PRIORITY B								
C LO PRIORITY C								
D LO PRIORITY D								
E EXTRA								
F EXTRA 2 BITS								



STREET APPROACH	S-7-80	OFFICE PARK	NEW ORLEANS
DIRECTION	NB SB	EB WB	
APPROACH SPEED	35 35	30 30	
APPROACH GRADE	0.0% -0.1%	0.4% -0.1%	



TOWN OF HILTON HEAD ISLAND
ENGINEERING DIVISION

TEMPORARY TRAFFIC SIGNAL

INTERSECTION OF S-7-80 (POPE AVE.) WITH NEW ORLEANS ROAD AND OFFICE PARK ROAD (BOTH O.S.)

CITY: HILTON HEAD ISLAND COUNTY: BEAUFORT

APPROVED BY: _____ APPROVED BY: _____

DISTRICT TRAFFIC ENGINEER DISTRICT ENGINEERING ADMIN.

INDEX NO.: _____ DATE: 8/25/2016
DRAWN BY: DAS
DESIGNED BY: DAS
CHECKED BY: _____
REVIEWED BY: _____
RECOMMENDED BY: _____

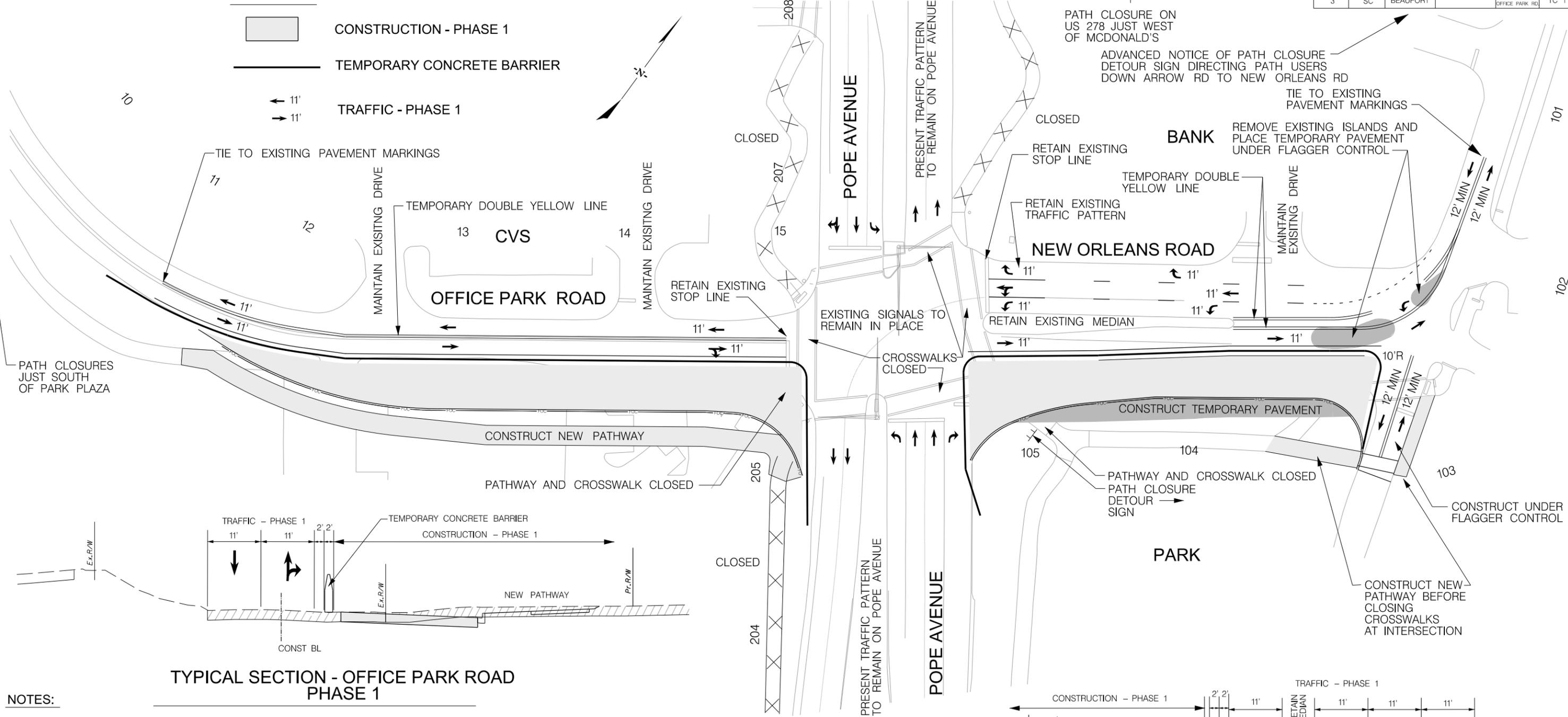
SIGNAL # **501**



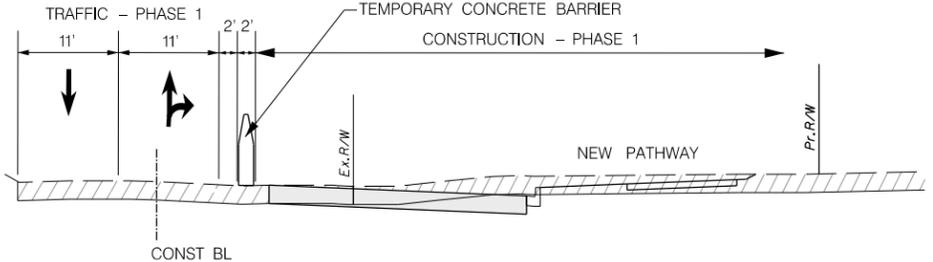
FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	BEAUFORT		POPE AVENUE OFFICE PARK RD.	TC 1

LEGEND

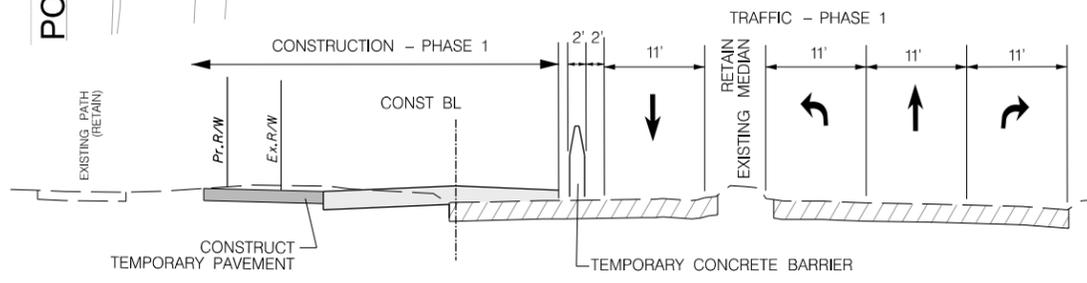
-  CONSTRUCTION - PHASE 1
-  TEMPORARY CONCRETE BARRIER
-  TRAFFIC - PHASE 1



TYPICAL SECTION - OFFICE PARK ROAD PHASE 1



TYPICAL SECTION - NEW ORLEANS ROAD PHASE 1 WITH PATH TRAFFIC CONTROL



NOTES:

SEE SCDOT STANDARD DRAWING 601-020-00 FOR EXACT PLACEMENT OF PORTABLE PLASTIC DRUMS.

ACCESS TO DRIVES / SIDE ROADS TO BE MAINTAINED DURING CONSTRUCTION, AS SHOWN ON THESE PLANS.

DAYTIME LANE CLOSURE FOR POPE AVENUE WILL BE ALLOWED BY SCDOT. CONTRACTOR TO SCHEDULE THESE LANE CLOSURES TO AVOID THE AM AND PM PEAK TRAFFIC TIMES.

THESE TRAFFIC CONTROL PLANS INCLUDE PEDESTRIAN PATHWAY TRAFFIC CONTROL AND MAINTENANCE OF HIGH VOLUME PED AND BICYCLE MOVEMENTS. DETOURS AT ADJACENT INTERSECTIONS/CROSSING OPPORTUNITIES WILL BE REQUIRED.

TEMPORARY CONCRETE BARRIERS AND DRUMS WILL BE SUPPLEMENTED WITH TYPE A WARNING FLASHING LIGHTS FOR NIGHTTIME USE. SEE SCDOT STANDARD DRAWINGS SECTION 605-400.

TRAFFIC SIGNAL - PHASE I

1. RETAIN EXISTING MAST-ARMS; CONTROL INTERSECTION WITH EXISTING SIGNAL.
2. RELOCATE PEDESTRIAN POLES IN THE SE AND SW QUADRANTS TO THEIR NEW LOCATIONS AS SHOWN ON THE TRAFFIC SIGNAL PLAN.

ADVANCED NOTICE OF PATH CLOSURE @ POPE /CORDILLO. CUSTOM SIGN TO DIRECT PATH USERS DESTINED TO US 278 TO CROSS TO EAST SIDE OF POPE AVE.



SCALE IN FEET

BID SET
NOT FOR CONSTRUCTION

1" = 30'

JE INFRASTRUCTURE CONSULTING & ENGINEERING			
4			
3			
2			
1			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION



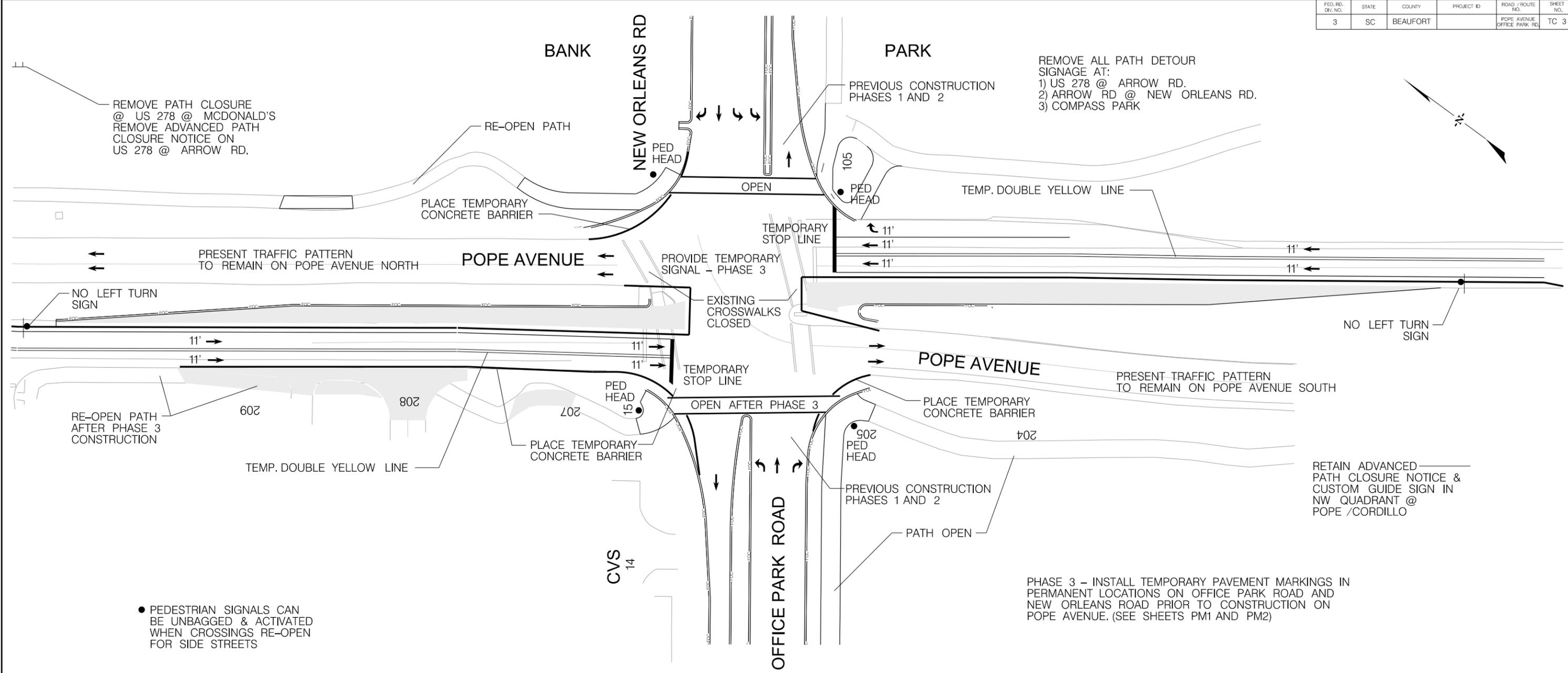
TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA

TRAFFIC CONTROL AND
STAGING PLAN - PHASE 1

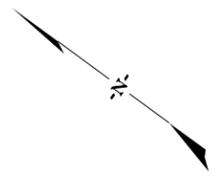
POPE AVE./OFFICE PARK RD.
ROADWAY AND DRAINAGE IMPROVEMENTS

Z:\Projects\14-37\10\Office Park-Pope\0\Plans\SHEET TC_1.dgn 9/1/2016

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	BEAUFORT		POPE AVENUE / OFFICE PARK RD.	TC 3



REMOVE ALL PATH DETOUR SIGNAGE AT:
 1) US 278 @ ARROW RD.
 2) ARROW RD @ NEW ORLEANS RD.
 3) COMPASS PARK



● PEDESTRIAN SIGNALS CAN BE UNBAGGED & ACTIVATED WHEN CROSSINGS RE-OPEN FOR SIDE STREETS

NOTES:

SEE SCDOT STANDARD DRAWING 601-020-00 FOR EXACT PLACEMENT OF PORTABLE PLASTIC DRUMS.

ACCESS TO DRIVES / SIDE ROADS TO BE MAINTAINED DURING CONSTRUCTION, AS SHOWN ON THESE PLANS.

DAYTIME LANE CLOSURE FOR POPE AVENUE WILL BE ALLOWED BY SCDOT. CONTRACTOR TO SCHEDULE THESE LANE CLOSURES TO AVOID THE AM AND PM PEAK TRAFFIC TIMES.

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TEMPORARY CONCRETE BARRIERS AND DRUMS WILL BE SUPPLEMENTED WITH TYPE A WARNING FLASHING LIGHTS FOR NIGHTTIME USE. SEE SCDOT STANDARD DRAWINGS SECTION 605-400.

- TRAFFIC SIGNAL - PHASE III**
1. RELOCATE HEADS SERVING NEW ORLEANS ROAD ON SPAN WIRE TO SERVE TRAFFIC ON ITS NEW (FINAL) ALIGNMENT
 2. INITIATE CONSTRUCTION OF NEW SIGNAL

LEGEND

- CONSTRUCTION - PHASE 3
- TEMPORARY CONCRETE BARRIER
- TRAFFIC - PHASE 3



BID SET
 NOT FOR CONSTRUCTION

1" = 30'

INFRASTRUCTURE	
CONSULTING & ENGINEERING	
4	
3	
2	
1	
REV. NO.	DESCRIPTION OF REVISION



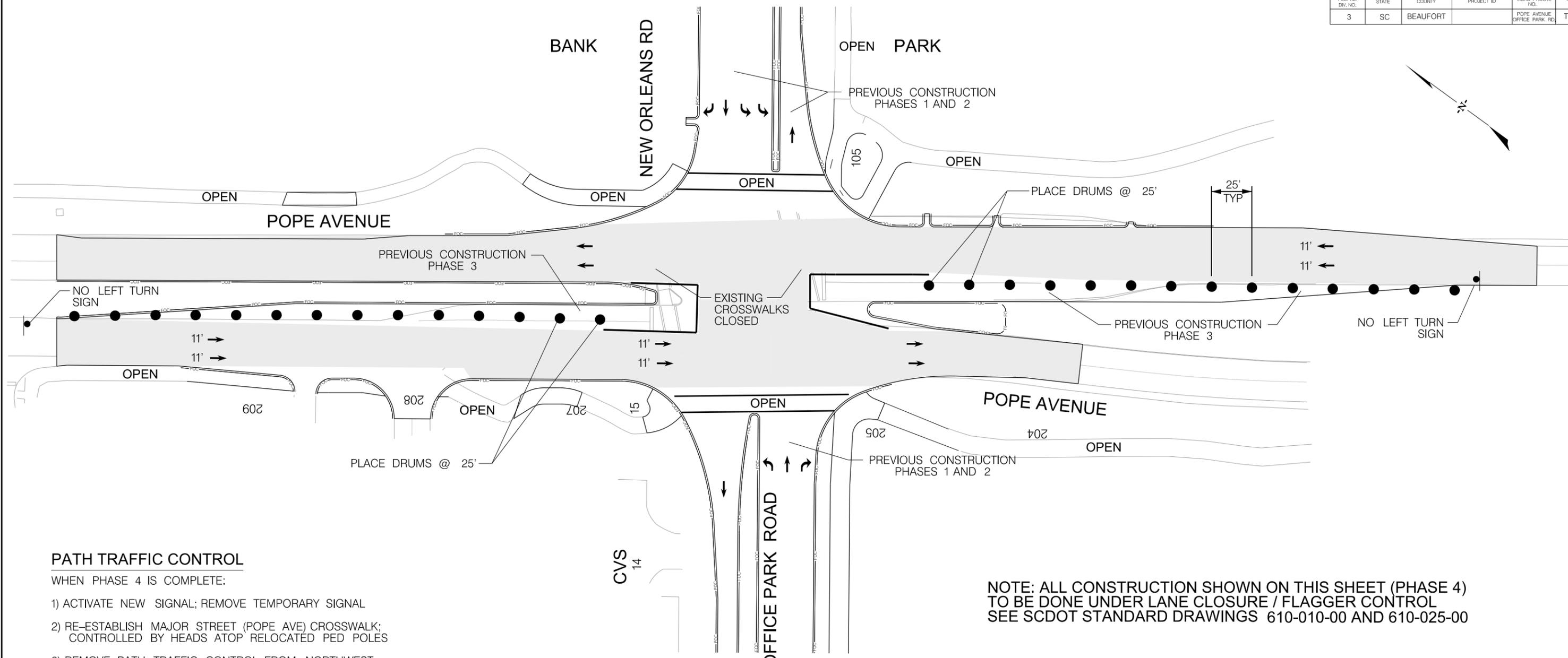
WITH PATH TRAFFIC CONTROL

TOWN OF HILTON HEAD ISLAND
 SOUTH CAROLINA

TRAFFIC CONTROL AND
 STAGING PLAN - PHASE 3

POPE AVE./OFFICE PARK RD.
 ROADWAY AND DRAINAGE IMPROVEMENTS

Z:\Projects\14-37\10\Office Park-Pope\NO\Plans\SHEET TC_3.dgn 9/1/2016



PATH TRAFFIC CONTROL

WHEN PHASE 4 IS COMPLETE:

- 1) ACTIVATE NEW SIGNAL; REMOVE TEMPORARY SIGNAL
- 2) RE-ESTABLISH MAJOR STREET (POPE AVE) CROSSWALK; CONTROLLED BY HEADS ATOP RELOCATED PED POLES
- 3) REMOVE PATH TRAFFIC CONTROL FROM NORTHWEST QUADRANT OF POPE /CORDILLO

NOTE: ALL CONSTRUCTION SHOWN ON THIS SHEET (PHASE 4) TO BE DONE UNDER LANE CLOSURE / FLAGGER CONTROL SEE SCDOT STANDARD DRAWINGS 610-010-00 AND 610-025-00

NOTES:

SEE SCDOT STANDARD DRAWING 601-020-00 FOR EXACT PLACEMENT OF PORTABLE PLASTIC DRUMS.

ACCESS TO DRIVES / SIDE ROADS TO BE MAINTAINED DURING CONSTRUCTION, AS SHOWN ON THESE PLANS.

DAYTIME LANE CLOSURE FOR POPE AVENUE WILL BE ALLOWED BY SCDOT. CONTRACTOR TO SCHEDULE THESE LANE CLOSURES TO AVOID THE AM AND PM PEAK TRAFFIC TIMES.

THESE TRAFFIC CONTROL PLANS INCLUDE PEDESTRIAN PATHWAY TRAFFIC CONTROL AND MAINTENANCE OF HIGH VOLUME PED AND BICYCLE MOVEMENTS. DETOURS AT ADJACENT INTERSECTIONS/CROSSING OPPORTUNITIES WILL BE REQUIRED.

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TRAFFIC SIGNAL - PHASE IV

1. COMPLETE CONSTRUCTION OF NEW SIGNAL, ACTIVATING WHEN COMPLETE
2. REMOVE TEMPORARY SIGNAL

LEGEND

-  CONSTRUCTION - PHASE 4
-  TEMPORARY CONCRETE BARRIER
-  TRAFFIC - PHASE 4



BID SET
NOT FOR CONSTRUCTION

1" = 30'

INFRASTRUCTURE CONSULTING & ENGINEERING	
4	
3	
2	
1	
REV. NO.	DESCRIPTION OF REVISION



WITH PATH TRAFFIC CONTROL
TOWN OF HILTON HEAD ISLAND
SOUTH CAROLINA
TRAFFIC CONTROL AND
STAGING PLAN - PHASE 4
POPE AVE./OFFICE PARK RD.
ROADWAY AND DRAINAGE IMPROVEMENTS

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