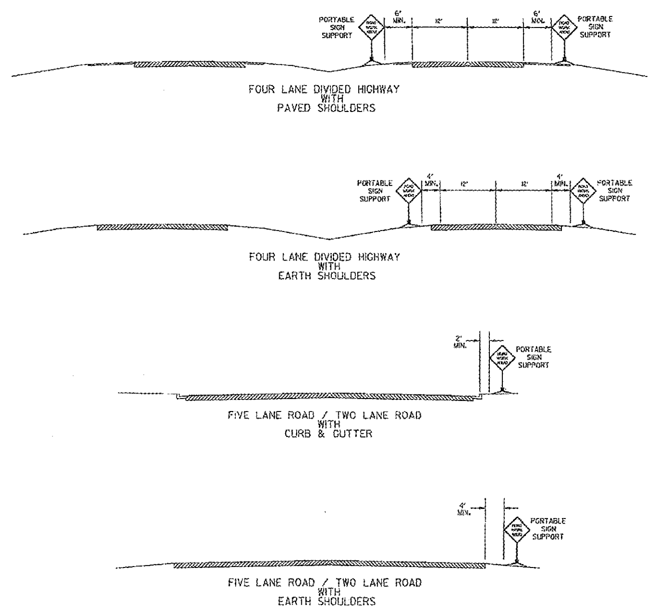
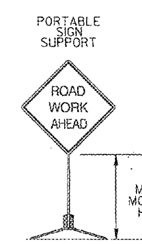
CONSTRUCTION SIGNING-TEMPORARY PORTABLE SIGN SUPPORTS INSTALLATION & PLACEMENT (602-005-00)

REFERENCES



GENERAL NOTES

1. ALL SIGN LOCATIONS ARE TO BE MEASURED FROM THE WORK AREA. WORK LIMITS FOR THE PROJECT WILL BE DETERMINED BY THE ENGINEER AND AS INDICATED IN THE CONTRACT.
2. INSTALL ADVANCE WARNING SIGNS MOUNTED ON PORTABLE SIGN SUPPORTS NO LESS THAN 4 FEET FROM THE NEAR EDGE OF THE SIGN TO THE NEAR EDGE OF AN ADJACENT TRAVEL LANE ON ROADWAYS WITH EARTH SHOULDERS AND NO LESS THAN 6 FEET FROM THE NEAR EDGE OF THE SIGN TO THE NEAR EDGE OF AN ADJACENT TRAVEL LANE ON ROADWAYS WITH PAVED SHOULDERS. WHEN CURB & GUTTER IS PRESENT, INSTALL THE SIGN NO LESS THAN 2 FEET FROM THE NEAR EDGE OF THE SIGN TO THE FACE OF THE CURB.
3. ALL SIGNS MOUNTED ON PORTABLE SIGN SUPPORTS SHALL HAVE A MINIMUM MOUNTING HEIGHT OF 5 FEET FROM THE GROUND TO THE BOTTOM OF THE SIGN. ALL SIGNS MOUNTED ON GROUND MOUNTED U-CHANNEL POSTS OR SQUARE STEEL TUBE POSTS SHALL HAVE A MINIMUM MOUNTING HEIGHT OF 7 FEET FROM THE GRADE ELEVATION OF THE NEAR EDGE OF THE ADJACENT TRAVEL LANE TO THE BOTTOM OF THE SIGN UNLESS OTHERWISE DIRECTED BY THE DEPARTMENT. MOUNT ALL SIGNS STRAIGHT AND LEVEL AND WITH THE FACE OF THE SIGNS PERPENDICULAR TO THE SURFACE OF THE ROADWAY.
4. REFLECTORIZE ORANGE ADVANCE WARNING SIGNS AND ANY ORANGE AREAS OF A MULTI-COLORED ADVANCE WARNING SIGN WITH A FLUORESCENT ORANGE COLORED PRISMATIC RETROREFLECTIVE SHEETING. REFLECTORIZE WHITE REGULATORY SIGNS AND ANY WHITE AREAS OF A MULTI-COLORED ADVANCE WARNING SIGN WITH A WHITE COLORED PRISMATIC RETROREFLECTIVE SHEETING.
5. ALL TRAFFIC CONTROL DEVICES SHALL COMPLY WITH ALL NCHRP REPORT 350 REQUIREMENTS AND SHALL REQUIRE APPROVAL BY THE DEPARTMENT. ONLY THOSE TRAFFIC CONTROL DEVICES INCLUDED ON THE "APPROVED PRODUCTS LIST FOR TRAFFIC CONTROL DEVICES IN WORK ZONES" ARE CONSIDERED ACCEPTABLE FOR USE. THIS LIST MAY BE ACCESSED ON THE DEPARTMENT'S WEB SITE AT: www.scdot.org .
6. ONLY THOSE PORTABLE SIGN SUPPORTS INCLUDED ON THE "APPROVED PRODUCTS LIST FOR TRAFFIC CONTROL IN WORK ZONES" ARE CONSIDERED ACCEPTABLE. ALL PORTABLE SIGN SUPPORTS UTILIZED FOR CONTRACT WORK SHALL PROVIDE A MINIMUM MOUNTING HEIGHT OF 5 FEET FROM THE GROUND TO THE BOTTOM OF THE SIGN ON ALL ROADWAYS. MOUNTING HEIGHTS LESS THAN 5 FEET ARE UNACCEPTABLE FOR CONTRACT WORK.
7. FABRICATE ALL SIGNS INTENDED FOR MOUNTING ON PORTABLE SIGN SUPPORTS FROM ONLY THOSE SIGN SUBSTRATUMS INCLUDED ON THE "APPROVED PRODUCTS LIST FOR TRAFFIC CONTROL DEVICES IN WORK ZONES".
8. PROVIDE AND UTILIZE ANY SPECIAL SIGN MOUNTING ASSEMBLIES AND HARDWARE THAT MAY BE NECESSARY FOR INSTALLING AND MOUNTING SIGNS IN AREAS WHERE CONCRETE MEDIAN BARRIERS, BRIDGE PARAPET WALLS OR DOUBLEFACED GUARDRAIL ARE PRESENT.
9. THESE ILLUSTRATIONS ARE INTENDED FOR INFORMATION ONLY. SIMILARITY BETWEEN THESE ILLUSTRATIONS AND ANY SPECIFIC DEVICE OR SYSTEM IS COINCIDENTAL AND IS NOT INTENDED AS EITHER A RECOMMENDATION OR AN ENDORSEMENT OF A SPECIFIC DEVICE OR DESIGN.
10. INSTALL AND PLACE ADVANCE WARNING SIGNS MOUNTED ON PORTABLE SIGN SUPPORTS AS ILLUSTRATED ON THIS TYPICAL TRAFFIC CONTROL STANDARD DRAWING.



WORK ZONE TRAFFIC CONTROL ENGINEER

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER NO. 24242 WILLIE E. McCONNELL, JR.

SIGNATURE
8/2/12
DATE

#	DATE	CHK	DESCRIPTION
6			
5			
4			
3			
2			
1	1-5-12	JCS	GENERAL UPDATE
0	8-13-07	JCS	DRAWING NO. UPDATE

SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING

CONSTRUCTION SIGNING-TEMPORARY PORTABLE SIGN SUPPORTS INSTALLATION & PLACEMENT

602-005-00

EFFECTIVE LETTING DATE JAN. 2013 THIS DRAWING IS NOT TO SCALE

SOUTH CAROLINA STANDARD SIGNS

DETAILED DRAWIINGS FOR MOST SIGNS ARE CONTAINED IN THE STANDARD SIGNING BOOK. DETAILED DRAWINGS FOR ALL OTHER SIGNS ARE AVAILABLE FROM THE DIRECTOR OF TRAFFIC ENGINEERING.

REGULATORY SIGNS OVERHEAD APPLICATIONS (TYPE VIII OR IX REFLECTIVE SHEETING)

DESCRIPTION	SIZE	NUMBER	SIGN
BACKGROUND: RED-REFL. LEGEND & BORDER: WHITE	96"x96"	OI(R1-1-96	STOP
BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	30"x36"	R3-5L-30	ONLY
BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	30"x36"	R3-5R-30	ONLY
BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	30"x36"	R3-5A-30	ONLY
BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	30"x36"	R3-6L-30	
BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	30"x36"	R3-6R-30	

REGULATORY SIGNS (TYPE III REFLECTIVE SHEETING)

DESCRIPTION	SIZE	NUMBER	SIGN	DESCRIPTION	SIZE	NUMBER	SIGN	DESCRIPTION	SIZE	NUMBER	SIGN
BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	30"x36" 48"x60"	R16-1-30 R16-1-48	PENALTY FOR LITTERING	BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	24"x30" 36"x48" 48"x60"	R4-6-24 R4-6-36 R4-6-48	TRUCK LANE 500 FEET	BACKGROUND: WHITE-REFL. LEGEND & BORDER: RED-REFL.	30"x30" 36"x36" 48"x48"	R1-1-30 R1-1-36 R1-1-48	STOP
BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	24"x18" 48"x36"	R22-1-24 R22-1-48	STATE LAW FASTEN SEAT BELTS	BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	24"x30" 36"x48" 48"x60"	R4-7-24 R4-7-36 R4-7-48		BACKGROUND: WHITE-REFL. LEGEND & BORDER: RED-REFL.	[illegible]	R1-2-36 R1-2-48 R1-2-60	YIELD
				BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	24"x30" 36"x48" 48"x60"	R4-8-24 R4-8-36 R4-8-48		BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	[illegible]	R2-1-[illegible]	SPEED LIMIT 50
				SYMBOL: RED-REFL. LEGEND & BACKGROUND: WHITE-REFL.	30"x30" 36"x36" 48"x48"	R5-1-30 R5-1-36 R5-1-48	DO NOT ENTER	BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	[illegible]	[illegible]	SPEED LIMIT 55 MINIMUM 40
				BACKGROUND: RED-REFL. LEG. & BORDER: WHITE-REFL.	30"x18" 36"x24" 42"x30"	R5-1a-30 R5-1a-36 R5-1a-42	WRONG WAY	BACKGROUND: WHITE-REFL. PROHIB. SYMBOL: RED-REFL. ARROW & BORDER: BLACK	24"x24" 30"x30" 36"x36" 48"x48"	R3-1-24 R3-1-30 R3-1-36 R3-1-48	
				BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	30"x36"	R5-10-30		BACKGROUND: WHITE-REFL. PROHIB. SYMBOL: RED-REFL. ARROW & BORDER: BLACK	24"x24" 30"x30" 36"x36" 48"x48"	R3-2-24 R3-2-30 R3-2-36 R3-2-48	
				BACKGROUND: [illegible] LEGEND: BLACK ARROW & [illegible]: WHITE-REFL.	36"x12" [illegible]x18"	R6-1L-36 R6-1L-54		BACKGROUND: WHITE-REFL. PROHIB. SYMBOL: RED-REFL. ARROW & BORDER: BLACK	24"x24" 30"x30" 36"x36" 48"x48"	R3-4-24 R3-4-30 R3-4-36 R3-4-48	
				BACKGROUND: [illegible] BLACK ARROW & BORDER: WHITE-REFL.	[illegible]	[illegible]		BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	30"x30"	R3-7L-30	LEFT LANE MUST TURN LEFT
				BACKGROUND: WHITE-REFL. LEGEND & BORDER: [illegible]	30"x42"	R7-10-36		BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	30"x30"	R3-7R-30	RIGHT LANE MUST TURN RIGHT
				BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	36"x42"	R7-10.1-36		BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	24"x30" 36"x48" 48"x60"	R4-1-24 R4-1-36 R4-1-48	DO NOT PASS
				BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	48"x30"	R11-2-48	ROAD CLOSED	BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	24"x30" 36"x48" 48"x60"	R4-2-24 R4-2-36 R4-2-48	PASS WITH CARE
				BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	36"x30"	R11-5-36	ROAD ENDS	BACKGROUND: WHITE-REFL. LEGEND & BORDER: BLACK	24"x30" 36"x48" 48"x60"	R4-5-24 R4-5-36 R4-5-48	TRUCKS USE RIGHT LANE

* LAST DIGITS DESIGNATE M.P.H.

THIS DRAWING IS NOT TO SCALE

SIGNING AND MARKING ENGINEER

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER NO. 23845 MARK H. ANTHONY

SIGNATURE
2-11-08
DATE

DESCRIPTION	CHK	DATE	#
			6
			5
			4
			3
			2
			1
			0

SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

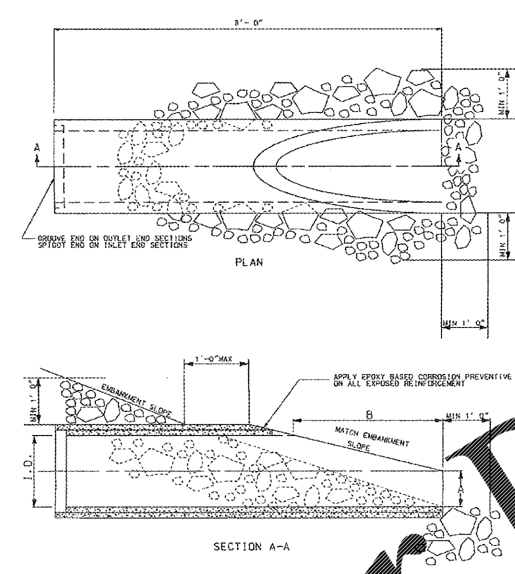
STANDARD DRAWING

STANDARD SIGNS

651-115-0[illegible]

MAY 2006 EFFECTIVE [illegible]

END TREATMENT (RCP BEVELED END) (719-610-00)



NOTES:

1. BEVELED END SECTIONS WILL BE MANUFACTURED IN ACCORDANCE WITH SCDOT SUPPLEMENTAL TECHNICAL SPECIFICATIONS SC-M-714. THESE SPECIAL PIPE SECTIONS WILL BE MADE DURING THE MANUFACTURING OF OTHER STATE APPROVED REINFORCED CONCRETE PIPE.
2. THE PIPE BEVEL MAY BE SAWED IN THE FIELD IN LIEU OF BEING MANUFACTURED. IN FIELD SAWING, THE PIPE OPENING MAY COME TO A POINT AT THE PIPE CREST RATHER THAN A RADIUS IF APPROVED BY THE PIPE MANUFACTURER. ALTERNATE PIPE FOR SIDELINES MUST HAVE EACH END BEVELED TO MATCH THE ADJACENT SLOPES.
3. PLACE RIPRAP AS DIRECTED BY THE RCE.
4. PAYMENT FOR BEVELED END SECTIONS WILL BE AS DIRECTED IN SC-M-714.
5. THE PAY ITEM SHALL BE:

7199100 BEVELING OF PIPE ENDS..................EA.
8041XXX RIPRAP(CLASS_)..................TON
8048XXX GEOTEXTILE FOR EROSION CONTROL UNDER RIPRAP(CLASS _) TYPE____S.Y.

CHART 719-610B

RIPRAP PLACEMENT

CLASS	D_{90}(FT)	MINIMUM THICKNESS (FT)
B	0.75	1.50
C	1.30	2.60

TABLE 719-610A

I.D.(IN)	A(IN)	EMBANKMENT SLOPE 6:1	5:1	4:1	3:1	2:1
		6	5	4	3	2
		B (BEVELED LENGTH) (IN)				
15	6	54	45	36	27	18
18	9	54	45	36	27	18
24	10	NA	70	56	42	28
30	12	NA	NA	72	54	36
36	15	NA	NA	NA	63	42
42	20	NA	NA	NA	66	44
48	24	NA	NA	NA	72	48
54	24	NA	NA	NA	NA	60
60	24	NA	NA	NA	NA	72

THIS DRAWING IS NOT TO SCALE

REFERENCES

NATIONAL DOCUMENTS

SCDOT DOCUMENTS

SCDOT SUPPLEMENTAL TECHNICAL SPECIFICATION SC-M-714

PRECONSTRUCTION SUPPORT ENGINEER

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 21242 JAMES W. KENDALL, JR.

SIGNATURE
AUGUST 23, 2012
DATE

#	DATE	CHK	DESCRIPTION
5			
4			
3	8/2012	KND	PAY ITEMS,RIPRAP,NOTES, SECTION A-A EPOXY
2	1/2010	DSO	GENERAL REVISIONS
1	6/2009	SDN	CHART 719-615D
0	3/2008	DSO	GENERAL REVISIONS

SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

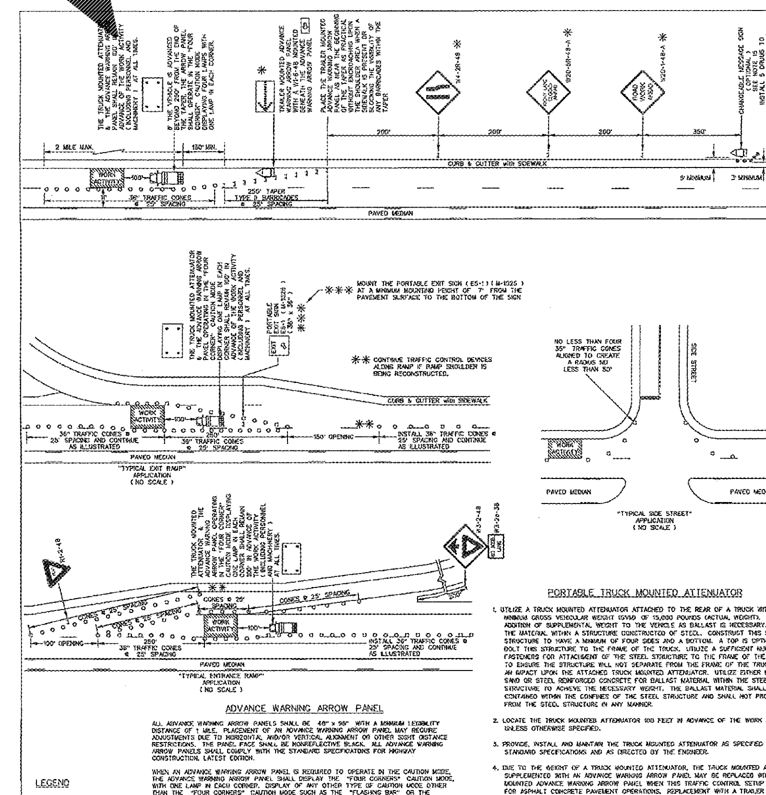
STANDARD DRAWING

END TREATMENT (RCP BEVELED END)

719-610-00

EFFECTIVE LETTING DATE JAN. 2013

LANE CLOSURE DAYTIME URBAN LOW SPEED < / = 35 MPH (610-010-00)



ADVANCE WARNING ARROW PANEL

ALL ADVANCE WARNING ARROW PANELS SHALL BE 48" x 96" WITH A MINIMUM LEGIBILITY DISTANCE OF 1 MILE. PLACEMENT OF AN ADVANCE WARNING ARROW PANEL MAY REQUIRE ADJUSTMENTS DUE TO HORIZONTAL AND/OR VERTICAL ALIGNMENT OR OTHER SIGHT DISTANCE RESTRICTIONS. THE PANEL FACE SHALL BE NONREFLECTIVE BLACK. ALL ADVANCE WARNING ARROW PANELS SHALL COMPLY WITH THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, LATEST EDITION.

WHEN AN ADVANCE WARNING ARROW PANEL IS REQUIRED TO OPERATE IN THE CAUTION MODE, THE ADVANCE WARNING ARROW PANEL SHALL DISPLAY THE "FOUR CORNERS" CAUTION MODE, WITH ONE LAMP IN EACH CORNER. DISPLAY OF ANY OTHER TYPE OF CAUTION MODE OTHER THAN THE "FOUR CORNERS" CAUTION MODE SUCH AS THE "FLASHING BAR" OR THE "ALTERNATING DIAMOND" CAUTION MODES ARE UNACCEPTABLE AND PROHIBITED.

LEGEND
○ 36" TRAFFIC CONES

PORTABLE TRUCK MOUNTED ATTENUATOR

1. UTILIZE A TRUCK MOUNTED ATTENUATOR ATTACHED TO THE REAR OF A TRUCK WITH A MINIMUM GROSS VEHICULAR WEIGHT (GVW) OF 15,000 POUNDS (ACTUAL WEIGHT). IF THE ADDITION OF SUPPLEMENTAL WEIGHT TO THE VEHICLE AS BALLAST IS NECESSARY, CONTAIN THE MATERIAL WITHIN A STRUCTURE CONSTRUCTED OF STEEL. CONSTRUCT THIS STEEL STRUCTURE TO HAVE A MINIMUM OF FOUR SIDES AND A BOTTOM. A TOP IS OPTIONAL. BOLT THIS STRUCTURE TO THE FRAME OF THE TRUCK. UTILIZE A SUFFICIENT NUMBER OF FASTENERS FOR ATTACHMENT OF THE STEEL STRUCTURE TO THE FRAME OF THE TRUCK TO ENSURE THE STRUCTURE WILL NOT SEPARATE FROM THE FRAME OF THE TRUCK DURING AN IMPACT UPON THE ATTACHED TRUCK MOUNTED ATTENUATOR. UTILIZE EITHER DRY LOOSE SAND OR STEEL REINFORCED CONCRETE FOR BALLAST MATERIAL WITHIN THE STEEL STRUCTURE TO ACHIEVE THE NECESSARY WEIGHT. THE BALLAST MATERIAL SHALL REMAIN CONTAINED WITHIN THE CONFINES OF THE STEEL STRUCTURE AND SHALL NOT PROTRUDE FROM THE STEEL STRUCTURE IN ANY MANNER.
2. LOCATE THE TRUCK MOUNTED ATTENUATOR 100 FEET IN ADVANCE OF THE WORK AREA UNLESS OTHERWISE SPECIFIED.
3. PROVIDE, INSTALL AND MAINTAIN THE TRUCK MOUNTED ATTENUATOR AS SPECIFIED BY THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.
4. DUE TO THE WEIGHT OF A TRUCK MOUNTED ATTENUATOR, THE TRUCK MOUNTED ATTENUATOR SUPPLEMENTED WITH AN ADVANCE WARNING ARROW PANEL MAY BE REPLACED WITH A TRAILER MOUNTED ADVANCE WARNING ARROW PANEL WHEN THIS TRAFFIC CONTROL SETUP IS UTILIZED FOR ASPHALT CONCRETE PAVEMENT OPERATIONS. REPLACEMENT WITH A TRAILER MOUNTED ADVANCE WARNING ARROW PANEL SHALL REQUIRE THE ENGINEER'S APPROVAL.

GENERAL NOTES

1. ALL SIGN LOCATIONS ARE TO BE MEASURED FROM THE WORK AREA. WORK LIMITS FOR THE PROJECT WILL BE DETERMINED BY THE ENGINEER AND AS INDICATED IN THE CONTRACT.
2. INSTALL ADVANCE WARNING SIGNS MOUNTED ON PORTABLE SIGN SUPPORTS NO LESS THAN 4 FEET FROM THE NEAR EDGE OF THE SIGN TO THE NEAR EDGE OF AN ADJACENT TRAVEL LANE ON ROADWAYS WITH EARTH SHOULDERS AND NO LESS THAN 6 FEET FROM THE NEAR EDGE OF THE SIGN TO THE NEAR EDGE OF AN ADJACENT TRAVEL LANE ON ROADWAYS WITH PAVED SHOULDERS. WHEN CURB & GUTTER IS PRESENT, INSTALL THE SIGN NO LESS THAN 2 FEET FROM THE NEAR EDGE OF THE SIGN TO THE FACE OF THE CURB.
3. SPACINGS INDICATED ARE FOR NORMAL CONDITIONS; ADJUSTMENTS MAY BE REQUIRED DUE TO HORIZONTAL AND/OR VERTICAL ALIGNMENTS OR OTHER SIGHT DISTANCE RESTRICTIONS.
4. ALL SIGNS MOUNTED ON PORTABLE SIGN SUPPORTS SHALL HAVE A MINIMUM MOUNTING HEIGHT OF 5 FEET FROM THE GROUND TO THE BOTTOM OF THE SIGN. ALL SIGNS MOUNTED ON GROUND MOUNTED U-CHANNEL POSTS OR SQUARE STEEL TUBE POSTS SHALL HAVE A MINIMUM MOUNTING HEIGHT OF 7 FEET FROM THE GRADE ELEVATION OF THE NEAR EDGE OF THE ADJACENT TRAVEL LANE TO THE BOTTOM OF THE SIGN UNLESS OTHERWISE DIRECTED BY THE DEPARTMENT. MOUNT ALL SIGNS STRAIGHT AND LEVEL AND WITH THE FACE OF THE SIGNS PERPENDICULAR TO THE SURFACE OF THE ROADWAY.
5. REFLECTORIZE ORANGE ADVANCE WARNING SIGNS AND ANY ORANGE AREAS OF A MULTI-COLORED ADVANCE WARNING SIGN WITH A FLUORESCENT ORANGE COLORED PRISMATIC RETROREFLECTIVE SHEETING. REFLECTORIZE WHITE REGULATORY SIGNS AND ANY WHITE AREAS OF A MULTI-COLORED ADVANCE WARNING SIGN WITH A WHITE COLORED PRISMATIC RETROREFLECTIVE SHEETING.
6. ALL TRAFFIC CONTROL DEVICES SHALL COMPLY WITH ALL NCHRP REPORT 350 REQUIREMENTS AND SHALL REQUIRE APPROVAL BY THE DEPARTMENT. ONLY THOSE TRAFFIC CONTROL DEVICES INCLUDED ON THE "APPROVED PRODUCTS LIST FOR TRAFFIC CONTROL DEVICES IN WORK ZONES" ARE CONSIDERED ACCEPTABLE FOR USE. THIS LIST MAY BE ACCESSED ON THE DEPARTMENT'S WEB SITE AT: www.scdot.org .
7. THE CONTRACTOR SHALL PROVIDE AND UTILIZE ANY SPECIAL SIGN MOUNTING ASSEMBLIES AND HARDWARE THAT MAY BE NECESSARY FOR INSTALLING AND MOUNTING SIGNS IN AREAS OF CONCRETE MEDIAN BARRIER, BRIDGE PARAPET WALLS OR DOUBLEFACED GUARDRAIL.
8. REFLECTORIZATION OF 36" TRAFFIC CONES USED DURING DAYLIGHT HOURS IS NOT REQUIRED. IF THIS TRAFFIC CONTROL SETUP EXTENDS INTO THE NIGHTTIME HOURS, REPLACE ALL 36" TRAFFIC CONES WITH EITHER PORTABLE PLASTIC DRUMS OR 42" OVERSIZED TRAFFIC CONES. REFLECTORIZE ALL PORTABLE PLASTIC DRUMS AND 42" OVERSIZED TRAFFIC CONES WITH TYPE III FLEXIBLE PRISMATIC RETROREFLECTIVE SHEETING UNLESS OTHERWISE DIRECTED BY THE DEPARTMENT.
9. REFLECTORIZE ALL BARRICADES WITH A TYPE VIII OR IX PRISMATIC RETROREFLECTIVE SHEETING ON ALL PROJECTS LET TO CONTRACT AFTER MAY 1, 2012 UNLESS OTHERWISE DIRECTED BY THE DEPARTMENT.
10. TYPE II BARRICADES SHALL HAVE A MINIMUM WIDTH OF 3 FEET UNLESS OTHERWISE DIRECTED BY THE DEPARTMENT.
11. CONDUCT THE WORK IN SUCH A MANNER THAT WILL MINIMIZE ENCROACHMENT OF TRAFFIC CONTROL DEVICES, EQUIPMENT, PERSONNEL, MATERIALS OR ANY WORK RELATED VEHICLES ONTO AN ADJACENT TRAVEL LANE OPEN TO TRAFFIC. INSTALL, MAINTAIN AND ADJUST THE TRAFFIC CONTROL DEVICES AS NECESSARY TO ENSURE PROPER DELINEATION OF THE WORK AREA.
12. LANE CLOSURES ARE RESTRICTED TO MAXIMUM LENGTHS OF 2 MILES UNLESS OTHERWISE DIRECTED BY THE SPECIAL PROVISIONS AND/OR THE DEPARTMENT.
13. IF WORK IS BEING CONDUCTED SIMULTANEOUSLY AT TWO DIFFERENT LOCATIONS WITHIN THE SAME TRAVEL LANE UNDER TWO SEPARATE LANE CLOSURES ON A LOW SPEED URBAN ROADWAY, SEPARATE THE TWO LANE CLOSURES BY NO LESS THAN 1 MILE FROM THE END OF THE FIRST CLOSURE THAT A MOTORIST WILL ENCOUNTER TO THE BEGINNING OF THE TAPER OF THE SECOND CLOSURE.
14. IF WORK IS BEING CONDUCTED SIMULTANEOUSLY AT TWO DIFFERENT LOCATIONS IN THE SAME DIRECTION BUT WITHIN DIFFERENT TRAVEL LANES UNDER TWO SEPARATE LANE CLOSURES ON A LOW SPEED URBAN ROADWAY, SEPARATE THE TWO LANE CLOSURES BY NO LESS THAN 2 MILES FROM THE END OF THE FIRST CLOSURE THAT A MOTORIST WILL ENCOUNTER TO THE BEGINNING OF THE TAPER OF THE SECOND CLOSURE.
15. UTILIZATION OF A CHANGEABLE MESSAGE SIGN IS OPTIONAL WITH THIS TRAFFIC CONTROL SETUP. HOWEVER, WHEN A CHANGEABLE MESSAGE SIGN IS UTILIZED, INSTALL THE SIGN AS ILLUSTRATED ON THIS STANDARD DRAWING UNLESS OTHERWISE DIRECTED BY THE SPECIAL PROVISIONS, THE PLANS AND/OR THE ENGINEER. INSTALL THE CHANGEABLE MESSAGE SIGN NO LESS THAN 6 FEET FROM THE NEAR EDGE OF THE ADJACENT TRAVEL LANE AND SUPPLEMENT THE SIGN LOCATION WITH NO LESS THAN 5 PORTABLE PLASTIC DRUMS FOR DELINEATION AS ILLUSTRATED. 36" STANDARD TRAFFIC CONES OR 42" OVERSIZED TRAFFIC CONES ARE PROHIBITED AS SUBSTITUTES FOR THE PORTABLE PLASTIC DRUMS IN THIS APPLICATION. DURING A RIGHT LANE CLOSURE, THE SIGN SHOULD FLASH ALTERNATELY TO READ "RIGHT LANE CLOSED", "MERGE LEFT" AT A RATE THAT WILL PERMIT MOTORISTS TO READ BOTH MESSAGES AT LEAST ONCE.
16. THE DEPARTMENT RESERVES THE RIGHT TO RESTRICT WORK OPERATIONS AND/OR WITHHOLD THE MONTHLY ESTIMATE IF THE TRAFFIC CONTROL IS NOT PROPERLY INSTALLED AND MAINTAINED AS DIRECTED BY THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, THE STANDARD DRAWINGS, THE PLANS AND/OR THE ENGINEER.
17. THIS TYPICAL TRAFFIC CONTROL SETUP APPLIES TO THE INSTALLATION OF A LANE CLOSURE ON AN URBAN ROADWAY WITH A POSTED REGULATORY SPEED LIMIT OF 35 MPH OR LESS.

✳ LEFT LANE CLOSURE

1. SIGNS ILLUSTRATED ARE FOR A RIGHT LANE CLOSURE.
2. WHEN CLOSING THE LEFT TRAVEL LANE, USE THE FOLLOWING:
   1 - W4-2L-48
   1 - W20-5L-48-A
3. THE STRIPES ON THE BARRICADES TO THE LEFT OF TRAFFIC SHALL SLOPE DOWNWARD FROM THE UPPER LEFT TO THE LOWER RIGHT.
4. THE FLASHING ARROW AND THE "LARGE ARROW" SIGN (W1-6-48) SHALL POINT TO THE RIGHT.
5. THE CHANGEABLE MESSAGE SIGN SHALL FLASH ALTERNATELY TO READ "LEFT LANE CLOSED", "MERGE RIGHT".

THIS DRAWING IS NOT TO SCALE

REFERENCES

WORK ZONE TRAFFIC CONTROL ENGINEER

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER NO. 24242 WILLIE E. McCONNELL, JR.

SIGNATURE
8/2/12
DATE

#	DATE	CHK	DESCRIPTION
6			
5			
4			
3			
2	2-11-11	JCS	GENERAL UPDATE
1	5-28-10	JCS	CORRECTION
0	8-21-07	JCS	DRAWING NO. UPDATE

SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING

LANE CLOSURE DAYTIME URBAN LOW SPEED < / = 35 MPH

610-010-00

EFFECTIVE LETTING DATE JAN. 2013

Georgetown County Regional Parks

Andrews Regional Recreation Center

Owner:
Georgetown County
716 Prince Street
Georgetown, SC 29442

A ARCHITECTURE
ARCHITECTURE AND PLANNING
LANDSCAPE ARCHITECTURE
Pawleys Island / Charleston
245 Business Center Lane / PO Box 1859
Pawleys Island, SC 29585
Phone: 843.237.3421 / Fax: 843. 237.1992
www.SGAarchitecture.com

Civil Consultant:
ETS
ENGINEERING AND TECHNICAL SERVICES, INC.
CONSULTING ENGINEERS
58 Centermarsh Lane
P.O. Box 2040
Pawleys Island, S.C. 29585
Phone: (843) 237-3002 Fax: (843) 237-2269

MEP Consultant:
Charleston Engineering
125 B Wappoo Creek Dr.
Charleston, SC 29412
843-762-4242
Mechanical, Plumbing & Electrical

Structural Consultant:

Irrigation Consultant:

SOUTH CAROLINA ENGINEERING AND TECHNICAL SERVICES INC. No. C00439 CERTIFICATE OF AUTHORIZATION

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SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 8285 MICHAEL F. REDMOND
03.13.18
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Drawn by: LW
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