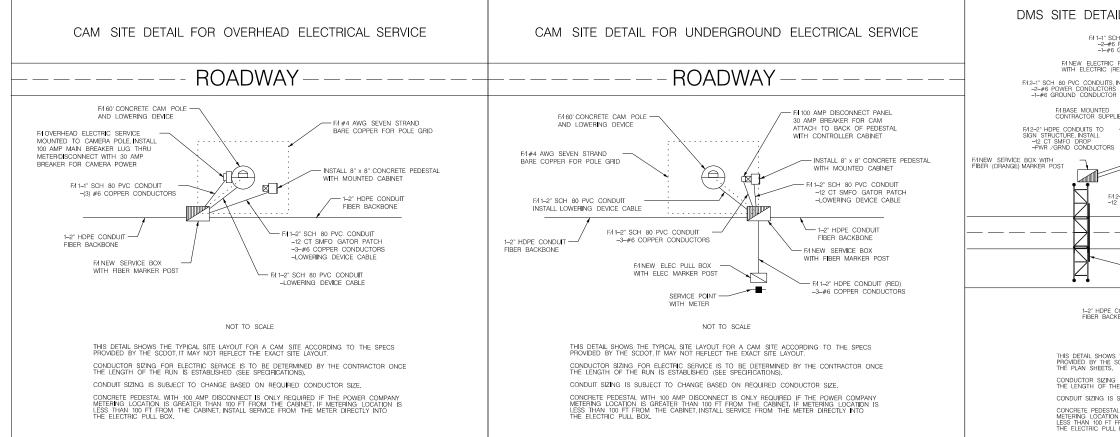


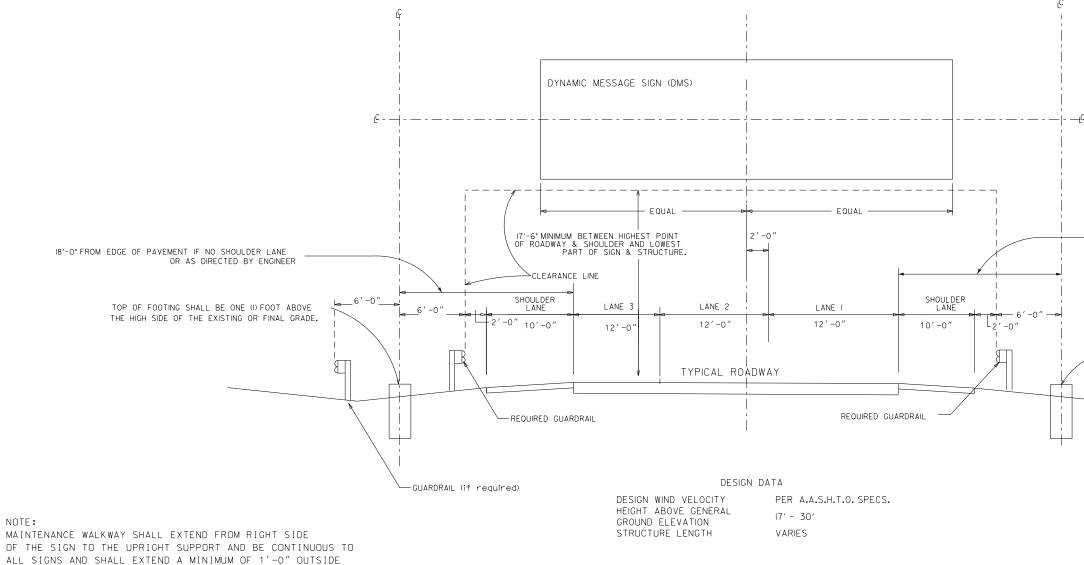
DETAIL DRAWINGS



4	
3	SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
2	
REV. NO. BY DATE DESCRIPTION OF REVISION	I.T.S. INSTALLATION
DESIGNED BY: DATE	
DRAWN BY: DATE	
CHECKED BY: DATE	SCALE: NO SCALE

	FED. RD.				PROJECT	ROUTE	SHEET
	DIV. NO.	STATE	COUNTY	FILE NO.	NO.	NO.	NO. IT 02
FOR UNDERGRO	UND	ELE	CTRICAL	SERVI	CE		
80 PVC CONDUIT, INSTALL	-	- SERVICE	POINT WITH ME	ETER			
80 PVC CONDUIT, INSTALL							
JLL BOX	h	- F/I 12 -(3	" HDPE (RED), INS I)—#6 COPPER C	STALL ONDUCTORS (SEE SPEC)		
STALL	/		F/ CO	NCRETE PEDE P DISCONNEC	STAL W		
	\lfloor		50AMP	BREAKER FC THAN 15 FT F	RDMS		
	r		FI NEW	(SERVICE BC (ORANGE) MAR	X WITH RKER POST		
				(
			FI FI	1-2" HDPE CO	NDUIT		
				-12 CT SMFC	DROP CABLE		
2" SCH 80 PVC CONDUITS, INSTALL							
	\mathbf{v}						
ROADWA	.T —						
AND STRUCTURE							
1			、 、				
NDUIT/ ONE			FINEW SI FIBER (OR	ERVICE BOX V IANGE) MARKE	VITH R POST		
NOT TO SCALE							
HE TYPICAL SITE LAYOUT FOR A DMS DOT, IT MAY NOT REFLECT THE EXACT	SITE ACC	ORDING	TO THE SPECS ROPOSED IN				
OR ELECTRIC SERVICE IS TO BE DET RUN IS ESTABLISHED (SEE SPECIFICA				ICE			
RUN IS ESTABLISHED (SEE SPECIFICA JBJECT TO CHANGE BASED ON REQU							
WITH 100 AMP DISCONNECT IS ONLY IS GREATER THAN 100 FT FROM THE OM THE CABINET, INSTALL SERVICE FF 30X.				Y IS			
OM THE CABINET, INSTALL SERVICE FF 30X.	ROM THE	METER D	RECTLY INTO				
]	

DETAILS & CLEARANCE DIAGRAM FOR OVERHEAD SIGNS



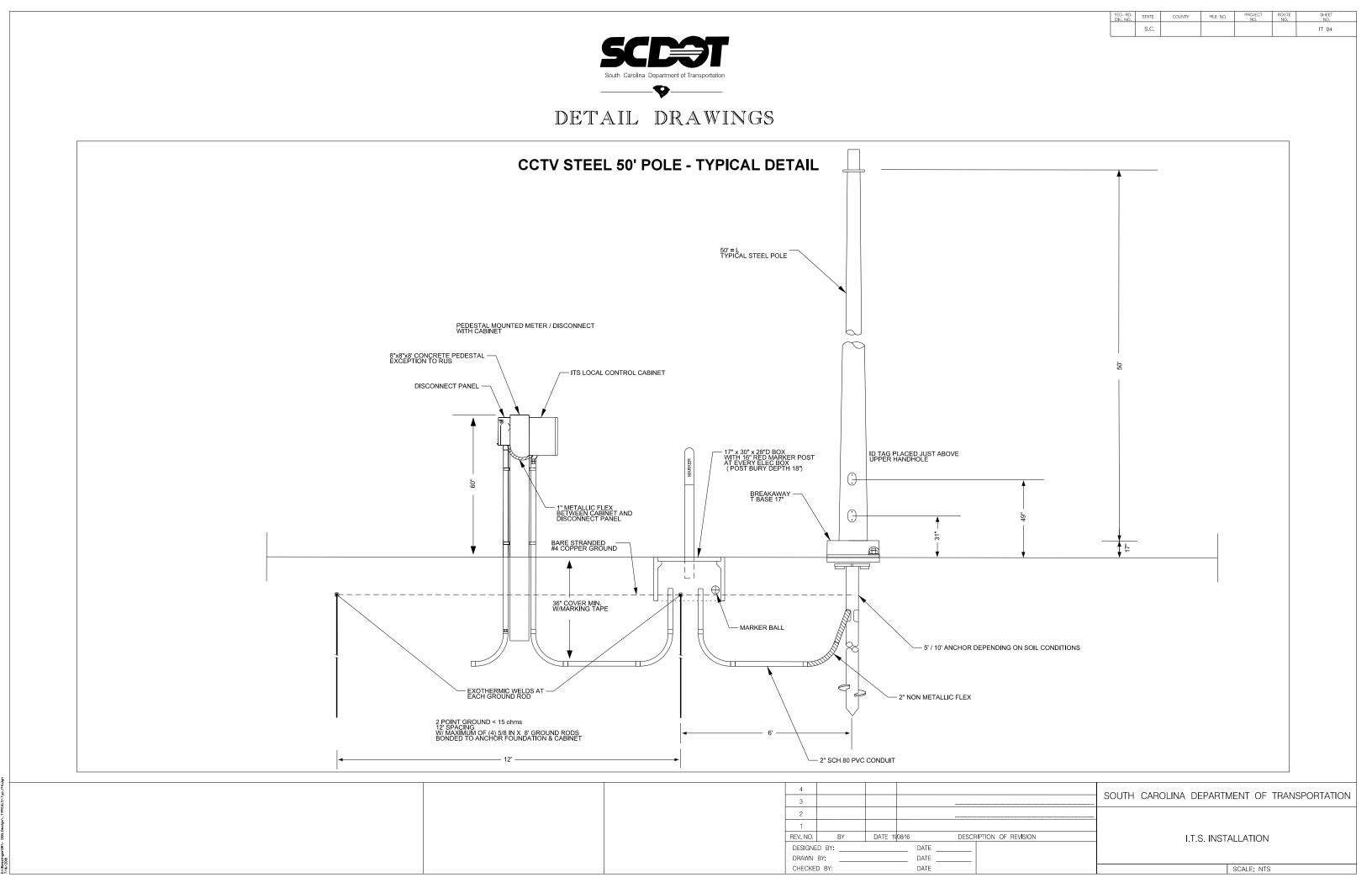
ALL SIGNS AND SHALL EXTEND A MINIMUM OF 1'-O" OUTSIDE THE EDGE OF ALL SIGNS.

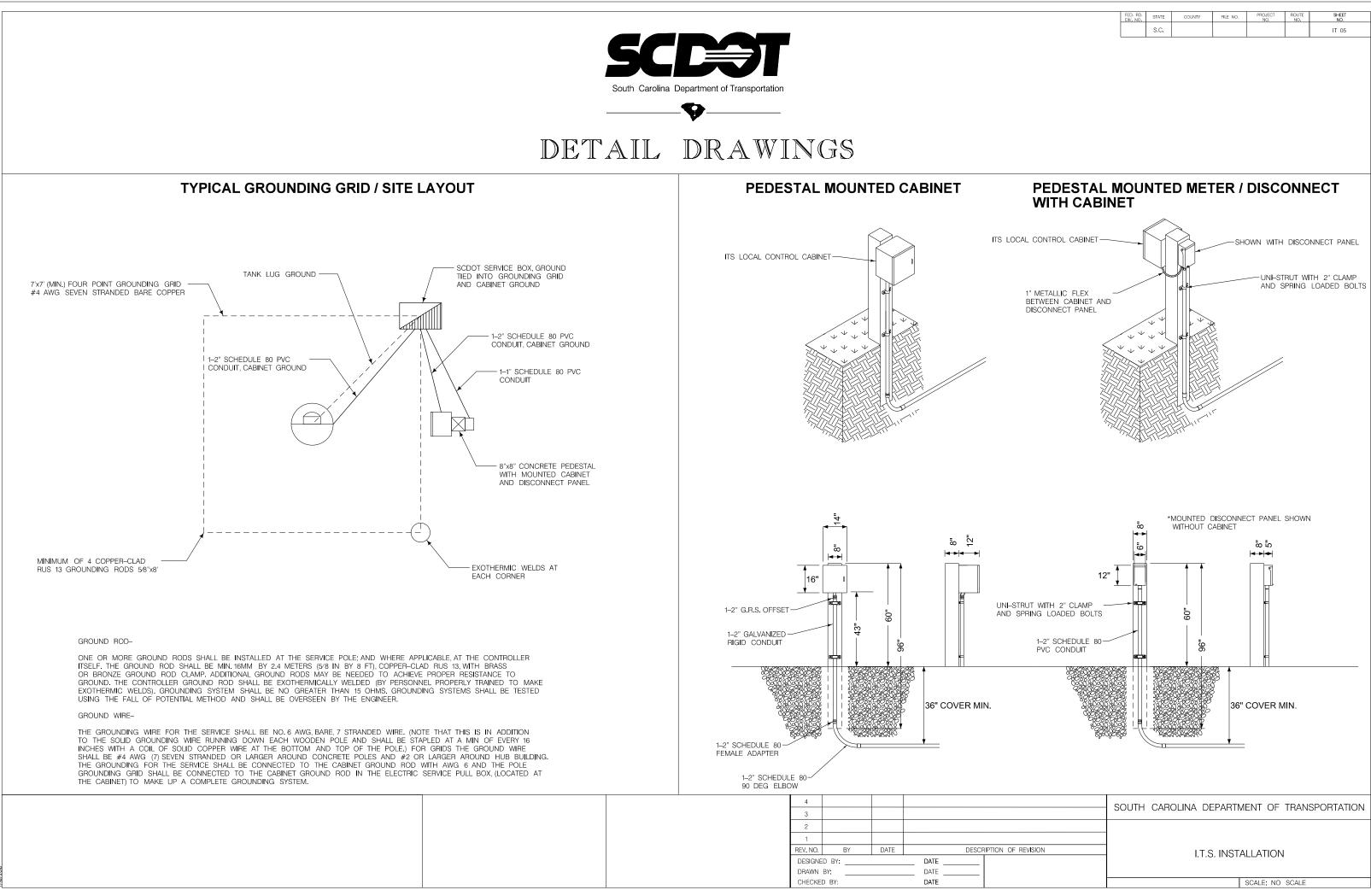
FED. ROAD DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
	S.C.					IT 03	

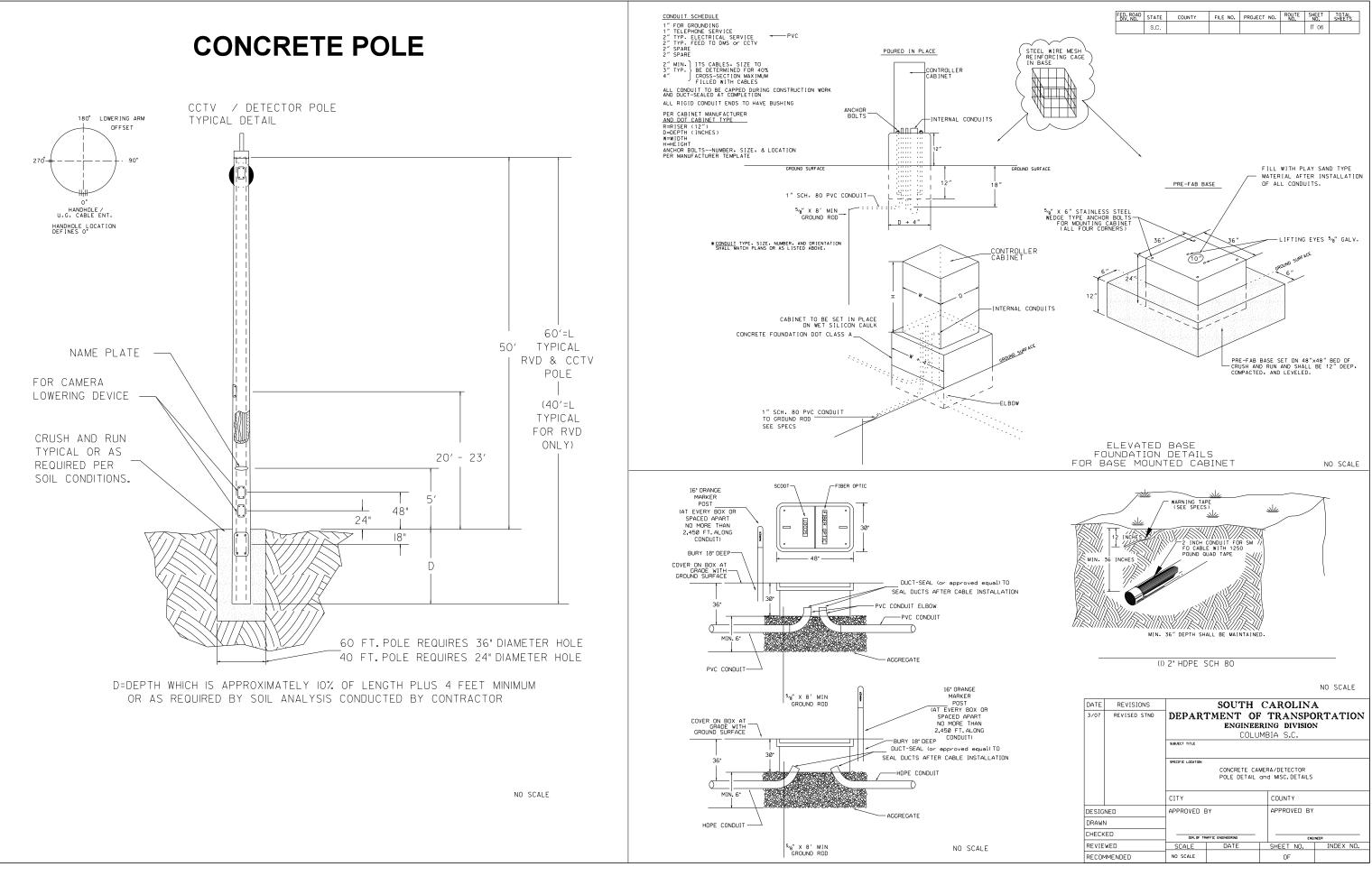
18'-0" FROM	EDGE	OF	PAVEMENT	IF	NO	SHOULDER	LANE
OR AS DIRE	CTED	ΒY	ENGINEER				

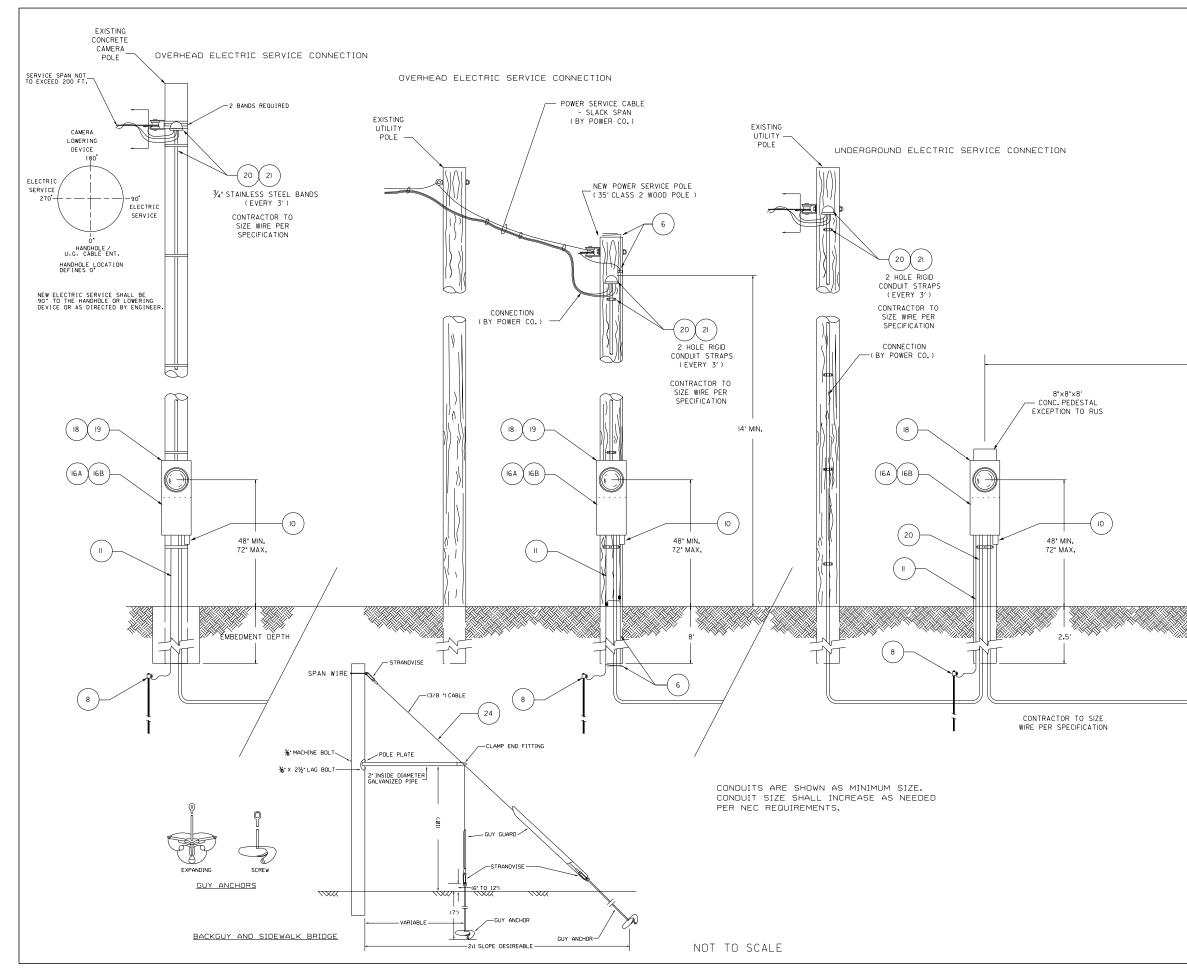
TOP OF FOOTING SHALL BE ONE (1) FOOT ABOVE - THE HIGH SIDE OF THE EXISTING OR FINAL GRADE.

DATE	REVISIO	NS	SOUTH CAROLINA						
3/07	REVISED	STND	DEPARTMENT OF TRANSPORTATION ENGINEERING DIVISION COLUMBIA S.C.						
			SUBJECT TITLE						
			SMECIFIC LOCATION DYNAMIC MESSAGE SIGN (DMS) CLEARANCE DETAIL						
			CITY		COUNTY				
DESIG	DESIGNED		APPROVED E	3Y	APPROVED BY	APPROVED BY			
DRAW	N								
CHECK	ED		DIR. OF TR	AFFIC ENGINEERING	ENG	INEER			
REVIE	WED		SCALE	DATE	SHEET NO.	INDEX NO.			
RECON	MENDED		NO SCALE		OF				



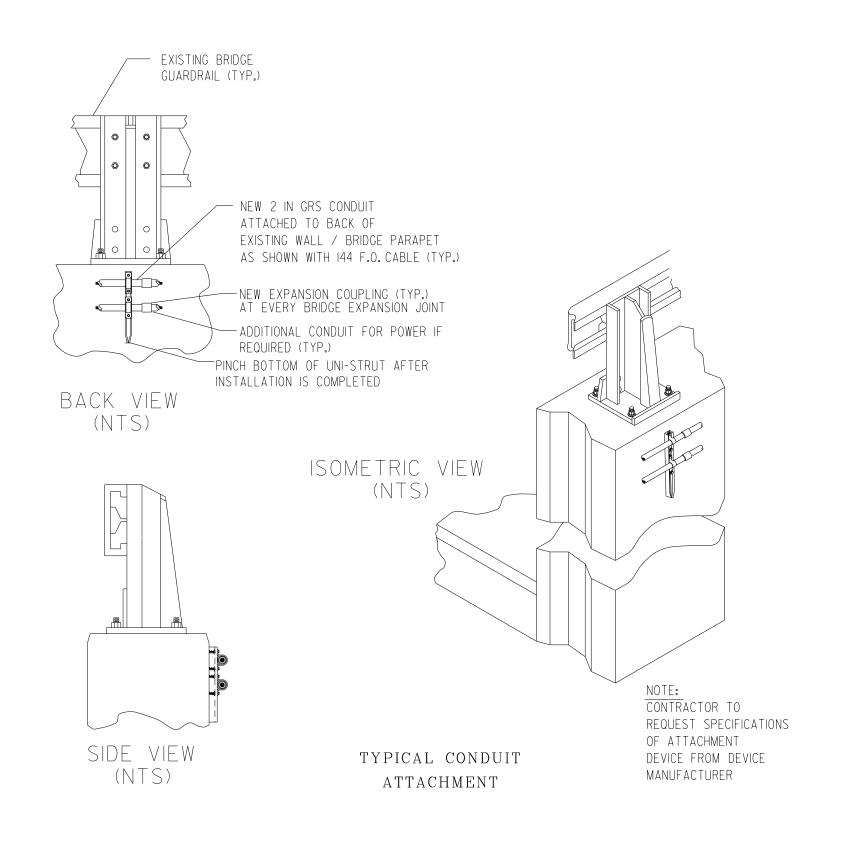






F	ED. ROAD STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
L	0.0.						
1. GUY HODK (CHANCE P/N		ST AND DESCR		ER COMPANY			
 EYE BOLT (CHANCE P/N STRANDVISE (RELIABLE FOR (3/8") SPAN WIRE 	5510) P/N 5102))		 METER BA 	SE/DISCONNECT P) (MID WEST B10	ANEL (MIC)) WEST R1((2EN)
 JUMPER CLAMP OF LIKE BONDING CABLE NO. 6 AWG, BARE, SOL RUNNING FULL LENGTH 	ID COPPER WIRE,			(1") MIN. COND			
POLES. WITH (2') COI AND BOTTOM OF POLE. 7. SCREW ANCHOR (8') (J	L AT TOP FOR GROUND WIRE.	2	2. CONDUIT 3. CONDUIT	HEAD. (1") COND BUSHING (1") LOCKNUT (1") BLE. GALV. (3/8		(D)	
COPPERCLAD 9. EXOTHERMIC WELD REQU	IRED PER CABINET		FOR SPAN	WIRE & GUY CAB	LE		
11. ND. 6 AWG STRANDED B	ARE COPPER GROUND						
CABLE:(3-WIRE W.BL.R	D) TYPE THHN∕THWIN	I 600 V. STRANDE	D				
12. RESERVED 13. RESERVED 14. RESERVED **DISCONNECT BREAKER							
	00 AMP RATED /METER BASE RATED 30 AMP FOR 0	AT 100 AMP FOR	CCTV. 200 4	MP FOR HUB.			
 BREAKER DISCONNECT 1 ONE PIECE DISCONNECT 1 CIRCUIT BREAKER CIRCUIT BREAKER CIRCUIT BREAKER CIRCUIT BREAKER HUB. 25mm (1") (SO-D 	50 AMP FOR S 200 AMP FOR S 200 AMP FOR	IGN HUB					
SEE SPECS				-			
CONTRACTOR TO SIZ WIRE PER SPECIFICATI							
					15		
		8"×8"×8′		/			
	N	CONCRET					
17"×30"×28" B0X	l)	$\langle \rangle$					
WITH SCDOT LOGO SET AT CABINET SEE SPEC.		I6" RE	ر				
\frown		MARK POS	ER L				
		(AT EN ELECT	ERY				
TO CABINET	$\langle \rangle \rangle$	BO>			RY DEP OF 18"	ТН	
			1				
		NA IN					
36"	// (20		20				
4	, 14 S	2		4			
<u></u>							
20	<u> </u>	20				-(20)	1
\smile		\smile				\bigcirc	
DATE F	EVISIONS		SOU	TH CAI	ROLI	NA	
3/07 REV	/ISED STND.	DEPAR	rment	OF TR	ANS	PORI	CATION
		SUBJECT TITLE		COLUMBIA			
		SPECIFIC LOCATION					
				SERVICE CON and UNDER			L
		CITY		CO	INTY		

		CITY		COUNTY	
DES	SIGNED	APPROVED BY		APPROVED BY	
DR	AWN				
СН	ECKED	DIR, OF TRA	FFIC ENGINEERING	ENG	INEER
RE	VIEWED	SCALE	DATE	SHEET NO.	INDEX NO.
RE	COMMENDED	N/A		OF	



3/07	REVISED STND	DEPARTMENT OF TRANSPORTATION ENGINEERING DIVISION COLUMBIA S.C.					
		SUBJECT TITLE					
		SPECIFIC LOCATION					
			BRIDGE	ATTACHMENT			
		CITY		COUNTY			
DESIG	NED	APPROVED BY		APPROVED BY	APPROVED BY		
DRAW	N						
CHECKED		DIR, OF TRAFFIC ENGINEERING		ENG	NEER		
REVIE	WED	SCALE	DATE	SHEET NO.	INDEX NO.		
RECON	MMENDED	ND SCALE		OF			

SOUTH CAROLINA

CHANNEL (12" LONG) -STAINLESS STEEL 2" PIPE STRAP -STAINLESS STEEL 3/8" × 2" WEDGE ANCHOR -STAINLESS STEEL 3/8" FLAT WASHER -STAINLESS STEEL 3/8" LOCK WASHER -STAINLESS STEEL DRILL 3/8" DIA. HOLE IN OUTSIDE PARAPET WALL TO ACCOMMODATE CHANNEL INSTALLATION. KINDORF CHANNEL EQUIPMENT SHALL BE PLACED EVERY 5 FT MIN ALONG BRIDGE LENGTH. EPOXY SHALL BE USED WITH WEDGE ANCHORS

DATE REVISIONS

NOTES: INSTALL (I) 2 IN GRS CONDUIT WITH EXPANSION COUPLINGS AT EVERY BRIDGE JOINT CONDUIT MOUNTING TO EXISTING BRIDGE PARAPET WALL CONDUIT MOUNTING EQUIPMENT SHALL BE KINDORF. THE FOLLOWING PART NO.'S SHALL APPLY FOR CHANNEL ASSEMBLY: CHANNEL (12" LONG) -STAINLESS STEEL 2" PIPE STRAP -STAINLESS STEEL 3/8" × 2" WEDGE ANCHOR -STAINLESS STEEL 3/8" FLAT WASHER -STAINLESS STEEL

FED. ROAD DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
	S.C.					IT 08	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION GENERAL CONSTRUCTION NOTE

- INTELLIGENT TRANSPORTATION SYSTEM (ITS) TO BE CONSTRUCTED UNDER THE STATEWIDE ITS REPAIR & 1) INSTALLATION CONTRACT.
- APPROXIMATE LOCATION OF CAMERA POLES IS SPECIFIED ON THE PLAN SHEET. 2) APPROXIMATE LOCATION OF SERVICE BOXES/LOCAL CONTROLLER CABINETS IS SHOWN ON THE PLAN SHEET, EXACT LOCATION TO BE DETERMINED DURING CONSTRUCTION. CONTACT THE SCDOT FIELD OPERATIONS MANAGER IF SUBSURFACE OR OTHER CONDITIONS WARRANT LOCATING EQUIPMENT/DEVICES ELSEWHERE.
- 3) CONTRACTOR SHALL INSTALL (1) 2" HDPE ORANGE CONDUIT, WITH A MINIMUM OF 36" OF COVER. ALL CONDUITS ARE TO BE PLACED AT LEAST 30' FROM THE EDGE OF TRAVEL WAY, UNLESS FIELD CONDITIONS DICTATE OTHERWISE. IF CONDUITS ARE PLACED NEAR A RIGHT OF WAY LINE, PLACE A MINIMUM OF 5' INSIDE RIGHT OF WAY LINE UNLESS FIELD CONDITIONS DICTATE OTHERWISE.
- CONTRACTOR SHALL INSTALL 96 CT SINGLEMODE FIBER OPTIC CABLE WITHIN DESIGNATED CONDUIT, UNLESS 4) DICTATED DIFFERENTLY ON PLAN SHEET. REEL END SPLICES ARE NOT SHOWN ON THE PLAN SHEET. THE CONTRACTOR SHALL SUBMIT REEL END SPLICE LOCATIONS TO THE SCDOT FIELD OPERATIONS MANAGER FOR APPROVAL.
- 5) NON-METALLIC WARNING TAPE SHALL BE BURIED 12" BELOW GRADE WHERE ELECTRIC AND COMMUNICATION CONDUIT IS INSTALLED. ADDITIONALLY, DETECTABLE MULE TAPE IS TO BE INSTALLED INSIDE CONDUIT WITH FIBER OPTIC CABLE.
- CONTRACTOR TO INSTALL NEW FIBER OPTIC SERVICE BOX EVERY 2450' OR AS INDICATED ON THE PLAN SHEET. COILED SLACK TO 6) BE PLACED IN EACH SERVICE BOX, 200' SLACK FOR ALL SERVICE BOXES WITH OR WITHOUT A SPLICE ENCLOSURE. PLACE 100' OF SLACK FOR DROP CABLES IN SERVICE BOX FOR MID SPANS.
- 7) ALL PULL BOXES SHALL BE ARMORCAST OR HIGHLINE. SERVICE BOX COVERS USED FOR COMMUNICATIONS SHALL HAVE 'SCDOT FIBER' EMBEDDED IN THE COVERS, PULL BOX COVERS USED FOR ELECTRIC SHALL HAVE 'SCDOT ELEC' EMBEDDED IN THE COVER. AND PULL BOX COVERS USED FOR TRAFFIC SIGNALS SHALL HAVE 'SCDOT TRAFFIC' EMBEDDED IN THE COVER.
- CONTRACTOR TO PROVIDE FIBER OPTIC MARKER POSTS AT ALL NEW SERVICE BOX LOCATIONS AND DEFLECTIONS IN THE 8) CONDUIT ALIGNMENT, AT A MAXIMUM OF 2450'.
- ALL BORES INDICATED ON PLAN SHEET ARE APPROXIMATE VALUES, TRUE VALUES MAY VARY. ANY LOCATION MARKED AS 9) CONVENIENCE BORES ARE CONSIDERED PLOWABLE.
- 10) ITS DEVICES/SYMBOLOGY (CAMERA, SERVICE BOX, DMS, CABINET, ETC.) ARE SCALED UP FOR VISIBILITY ON PLANS, THEY ARE NOT TO THE SCALE OF THE DRAWING.

- AS DETERMINED IN FIELD DURING CONSTRUCTION.

<u>ITS ELEMENTS</u>	
ITS-CAMERA POLE	Ð
ITS-EXISTING FIBER OPTIC SERVICE BOX (EX FOSB)	
ITS-LOCAL CONTROLLER CABINET, BASE-MOUNTED	
ITS-NEW FIBER OPTIC SERVICE BOX (FOSB)	
ITS-NEW ELECTRIC PULL-BOX	
EXISTING CONDUIT (COMM. IN CONDUIT)	- FOC
PROPOSED CONDUIT (COMM./ELEC. IN CONDUIT)	
ROADWAY BORE (COMM./ELEC. IN CONDUIT)	
RIGID GALVANIZED CONDUIT (IDENTIFIED ON PLAN SHEET, COMM. IN CONDUIT)	

4				
3				
2				
1				
REV. NO. BY	DATE	DESCRIPTION OF REVISION	I.T.S. INSTALLATION	
DESIGNED BY:		DATE		
DRAWN BY:		DATE		
CHECKED BY:		DATE	SCALE: NO SCALE	

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
	S.C.					IT 09

11) CONTRACTOR IS RESPONSIBLE FOR CONTACTING PUPS/811 FOR LOCATION OF EXISTING UTILITIES.

12) ALL PLANS ARE SCHEMATIC IN NATURE. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD.

13) BELOW IS A LEGEND THAT IS APPLICABLE TO THIS PROJECT. ADDITIONAL DRAWINGS MAY BE NEEDED

14) CAMERA POLES SHALL BE 18 1/2' FROM WHITE LINE WITH GUARD RAIL INSTALLED IN FRONT.