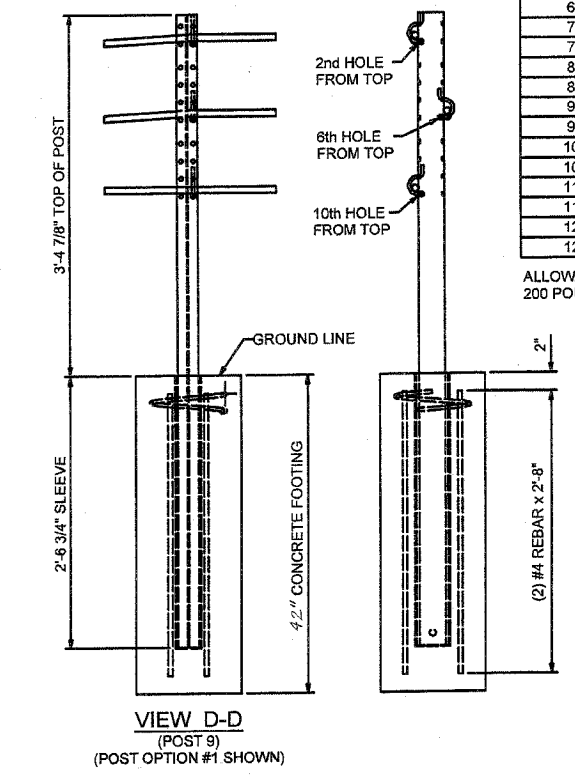
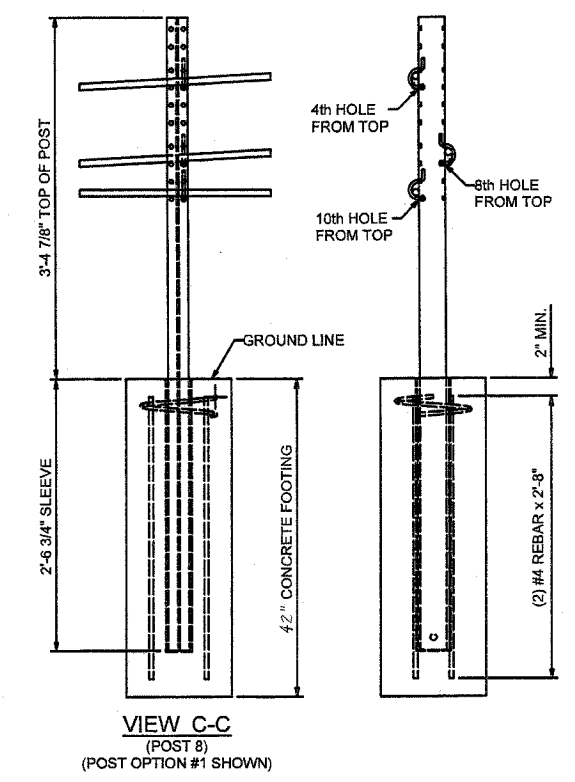
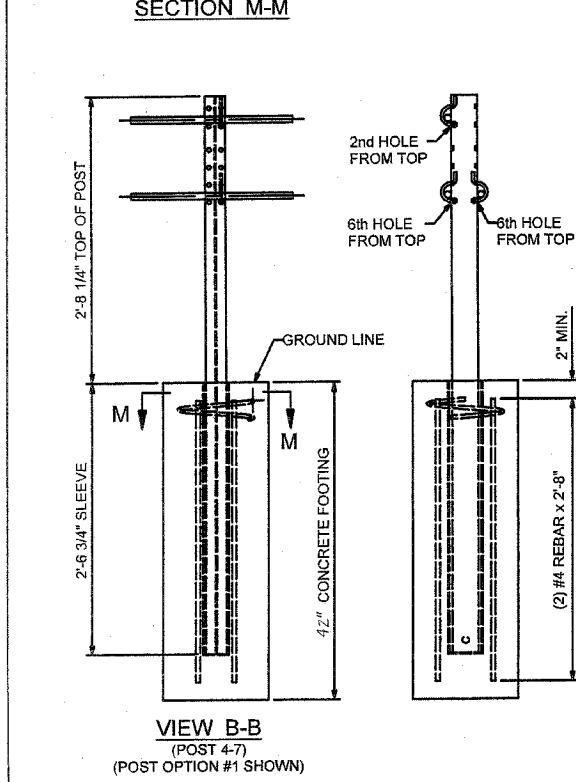
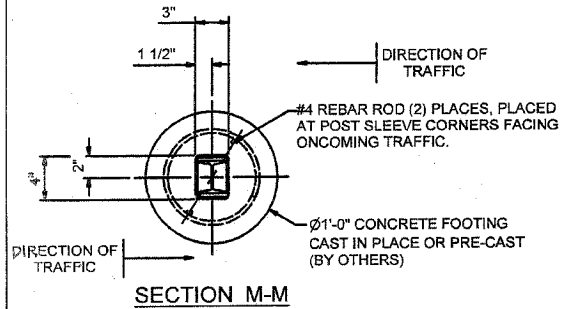
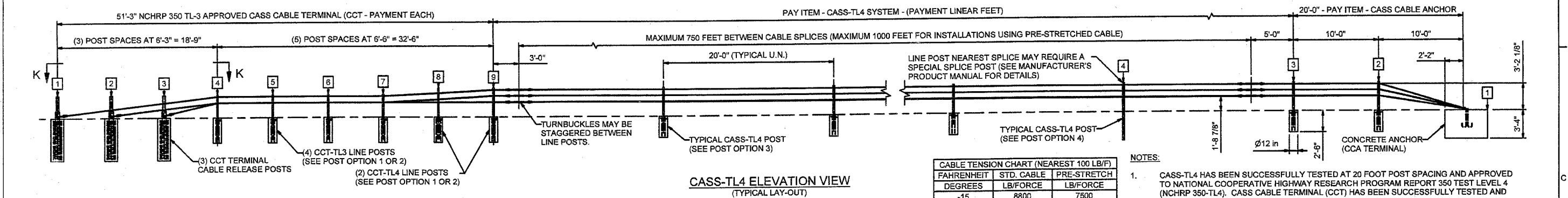
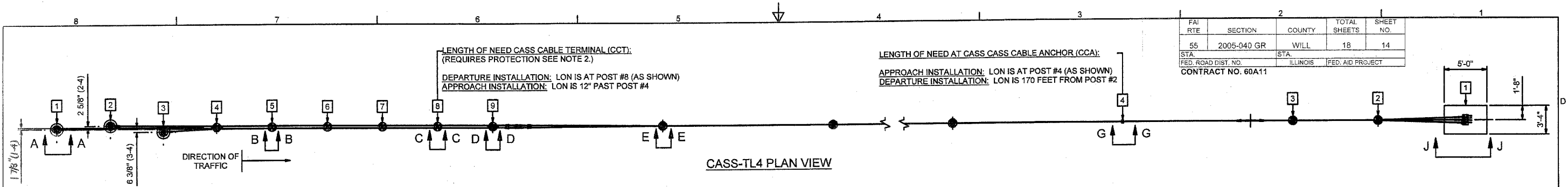


FAI	SECTION	COUNTY	TOTAL	SHEET
RTE			SHEETS	NO.
55	2005-040 GR	WILL	18	14
STA.	STA.	ILLINOIS	FED. AID PROJECT	
FED. ROAD DIST. NO.				
CONTRACT NO. 60A11				



CABLE TENSION CHART (NEAREST 100 LB/F)		
FAHRENHEIT	STD. CABLE	PRE-STRETCH
DEGREES	LB/FORCE	LB/FORCE
-15	8800	7500
-10	8600	7300
-5	8400	7100
0	8200	7000
5	8000	6800
10	7800	6600
15	7600	6500
20	7400	6300
25	7200	6100
30	7000	6000
35	6800	5800
40	6600	5600
45	6400	5500
50	6200	5300
55	6000	5100
60	5800	5000
65	5600	4800
70	5400	4600
75	5200	4500
80	5000	4300
85	4800	4100
90	4600	4000
95	4400	3800
100	4200	3600
105	4000	3500
110	3800	3300
115	3600	3100
120	3400	3000
125	3200	2800

ALLOWABLE DEVIATION FROM CHART:  
200 POUNDS/FORCE.

- NOTES:
- CASS-TL4 HAS BEEN SUCCESSFULLY TESTED AT 20 FOOT POST SPACING AND APPROVED TO NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM REPORT 350 TEST LEVEL 4 (NCHRP 350-TL4). CASS CABLE TERMINAL (CCT) HAS BEEN SUCCESSFULLY TESTED AND APPROVED TO NCHRP 350-TL3.
  - IF CASS-TL4 IS INSTALLED ON THE NATIONAL HIGHWAY SYSTEM (NHS), AN NCHRP 350-TL3 APPROVED TERMINAL (CCT) SHALL BE USED ON APPROACH AND DEPARTURE TERMINATIONS; OR, A NON-NCHRP 350-TL3 ANCHOR (CCA) MAY BE USED ON APPROACH AND DEPARTURE TERMINATIONS IF THE ANCHOR IS LOCATED OUTSIDE THE CLEAR ZONE OR PROTECTED BY OTHER MEANS (CRASHWORTHY BARRIER, TERMINALS, ETC.).
  - CASS-TL4 SHALL BE INSTALLED ON SHOULDERS OR MEDIANS WITH SLOPES OF 6:1 OR FLATTER WITHOUT OBSTRUCTIONS, DEPRESSIONS, ETC. THAT MAY SIGNIFICANTLY AFFECT THE STABILITY AN ERRANT VEHICLE.
  - CASS-TL4 POST SPACING MAY BE MODIFIED TO AVOID OBSTACLES THAT CONFLICT WITH THE INSTALLATION OF CASS-TL4 LINE POSTS. NO POST SPACE CAN EXCEED THE MAXIMUM POST SPACE LIMIT OF 20'-0".
  - A CCT POST FOUNDATION MAY BE DRILLED THROUGH EXISTING PAVEMENT.
  - REBAR RING AND REBAR RODS ARE NOT REQUIRED IF CASS-TL4 IS INSTALLED IN A 3 FT (MINIMUM) WIDTH MOW STRIP OF 6 IN. (MINIMUM) ASPHALT DEPTH OR 3 IN.(MINIMUM) REINFORCED CONCRETE DEPTH. IF MINIMUM REQUIREMENTS ARENT MET CONTACT TRINITY INDUSTRIES TO DISCUSS FOOTINGS.
  - CONSULT THE MANUFACTURER'S INSTALLATION MANUAL FOR ADDITIONAL INFORMATION.

TRINITY HIGHWAY SAFETY PRODUCTS, INC.  
2525 STEMMONS FREEWAY  
DALLAS, TX 75207  
EMAIL: PRODUCT.INFO@TRIN.NET  
PHONE: (800) 644-7976

No.	CASS-TL4 POST OPTIONS
1	CCT - TERMINAL POST 1 - 9 - IN CONCRETE
2	CCT - TERMINAL POST 1 - 9 - WITH SPOIL PLATE
3	CASS-TL4 POST - IN CONCRETE
4	CASS-TL4 POST- DRIVEN

REV	DESCRIPTION	DATE	BY
1	ADDED DRIVEN POST OPTION	3/2/2006	E.A.S.
2	ADDED REBAR TERMINAL POST 4-9	3/9/2006	E.A.S.

CASS-TL4  
CABLE GUARDRAIL  
SAFETY SYSTEM

TRINITY HIGHWAY SAFETY  
PRODUCTS, INC.

GALV SPEC:

SHIPPING WT:

DRW: E.A.S 12/2/2005

CHK:

SHT: 1 OF 5

SIZE: D

DWG NO:

REV

SS-740

2

PROJ. CASS-TL4

3-29-06