

# CABLE SCAFFOLD EQUIPMENT



## CABLE INSTALLATION

Anchoring, stringing, attaching and tension measuring devices are needed to install a safe, efficient and hardworking Cable Scaffold System.

A set of parallel cables is needed to be strung first.

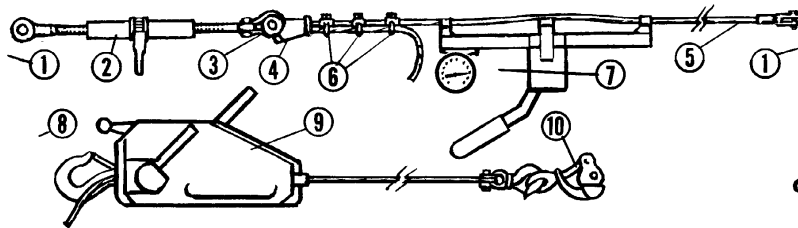
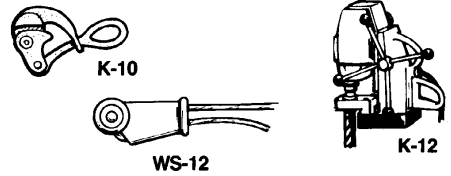
Anchoring the cables is of primary importance. Select a suitable spot that is structurally sound, and able to withstand the "pull" tension exerted when tightening to keep the cable as straight as possible... which holds up the scaffold unit plus the work crew and equipment. The connection should not damage or weaken the bridge structure.

Cable should be in good condition... not frayed, kinked and without breaks. String the premeasured cable from anchor to anchor keeping the cable straight. Pulling the cable to connection and its proper tension is done with a winch or ratchet binder. Refined tensioning can be done with the anchor eye bolt. Its tension is checked with a tension meter. Avoid hazardous impediments and having excess sag. To reduce sag, supports are needed to keep the scaffold up close so the crew can get at its work. Sag clamps, double barrel anchors and "U" cradles are used as these supports.

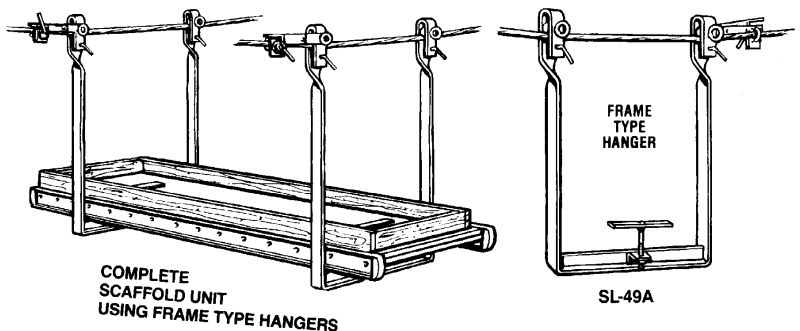
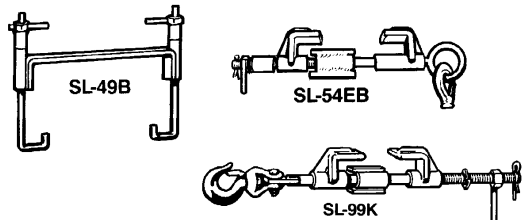
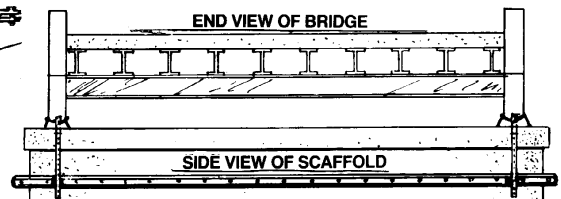
With the cables installed, the Frame Hanger of Stem-Truss Hanger can be attached and secured. Next the Stage(s) can be laid on and locked. Complete the scaffold with necessary guardrails, static lines and toeboards, etc.

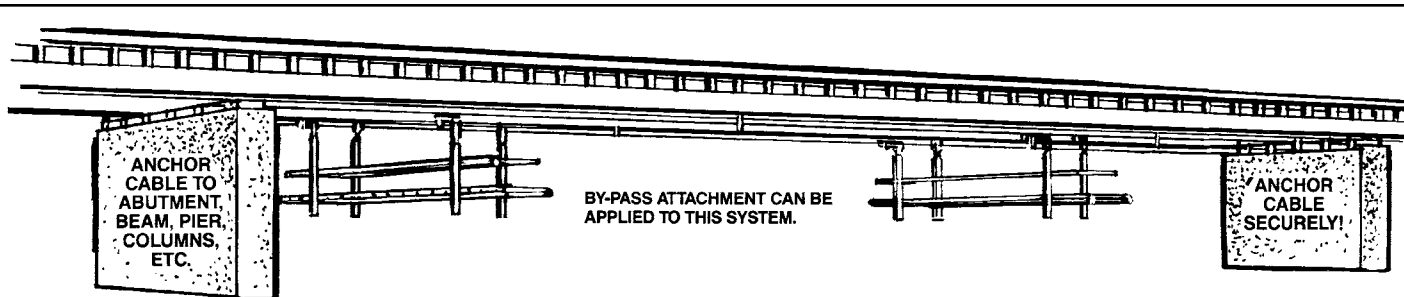
## PERMANENT LONG RANGE SOLUTION

Inspecting the elevated (EL) C.T.A. structures over the Stevenson Expressway, Downtown Chicago – required a scaffold that would function under the high voltage "EL" and over the heavy trafficked junction of Dan Ryan and Stevenson Expressway. A permanently installed Swing-Lo Cable Scaffold System is safe and economical. It is one of the most competitive scaffold systems on the market.

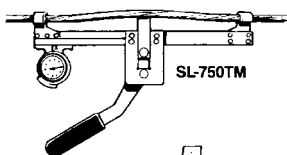
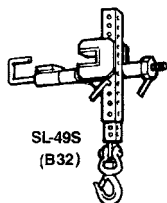
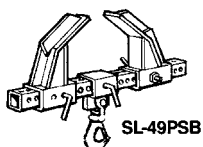
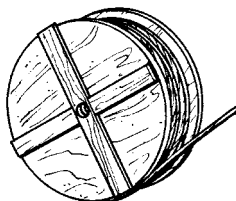
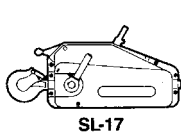
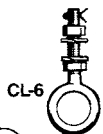
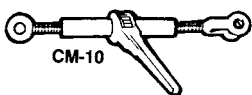
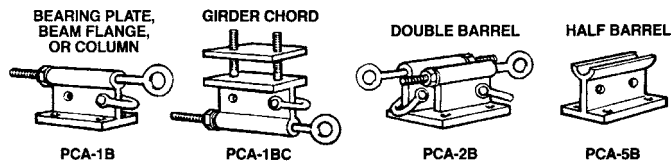


- ① MAIN ANCHORING DEVICE
- ② RATCHET LOAD BINDER
- ③ SHACKLE
- ④ OPEN WEDGE SOCKET
- ⑤ MAIN CABLE
- ⑥ CABLE CLIPS
- ⑦ TENSION METER
- ⑧ TEMPORARY ANCHORING
- ⑨ WINCH WITH CABLE & HOOK
- ⑩ CABLE GRIP

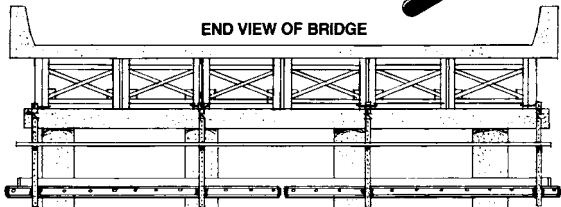




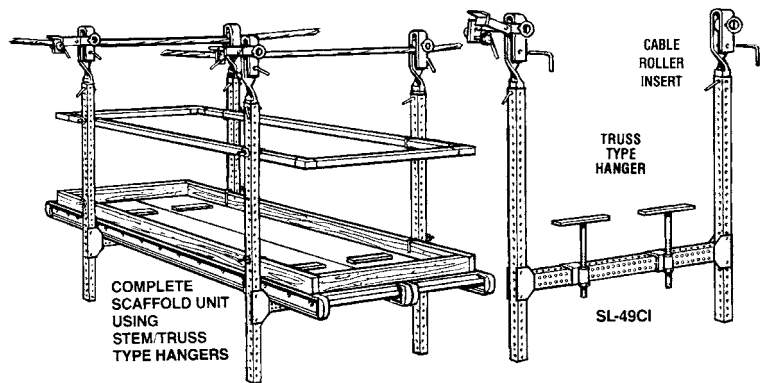
**ANCHORS**



END VIEW OF BRIDGE



SIDE VIEW OF SCAFFOLD



ANCHORS		
PART NO.	DESCRIPTION	WT
CS-3406	3/4" Dia. x 6' Cable Sling w/swaging	10
SP-12M	Cable Anchor Beam Clamp (10"-24" exp.)	40
PCA-1B	Single Barrel Anchor Clamp	40
PCA-1BC	Girder/Chord Cable Anchor Clamp	49
PCA-2B	Double Barrel Cable Anchor Clamp	55
PCA-5B	Half Barrel Cradle Cable Anchor Clamp	38

CABLE CLASS 6 X 19 I.W.R.C STEEL		
SIZE	BREAKING STRENGTH	WT
1/2" O	29,200 Lbs.	.46
5/8" O	45,400 Lbs.	.72
3/4" O	64,600 Lbs.	1.04

TENSIONING EQUIPMENT		
PART NO.	DESCRIPTION	WT
SL-17	2000# Cap. Winch w/30' Wire Rope	32
SL-516	4000# Cap. Winch w/60' Wire Rope	61
SL-532	8000# Cap. Winch w/30' Wire Rope	77
CM-10	Ratchet Load Binder - 20" Barrel	16

STRESS MEASUREMENT EQUIPMENT		
PART NO.	DESCRIPTION	WT
SL-750TM	7/16" - 3/4" Dia. Wire Rope Tensionmeter	14

CABLE SCAFFOLD HANGERS		
PART NO.	DESCRIPTION	WT
SL-49A	2 ea. 27" Base x 22" High Fixed Hanger	33
SL-49CI	4 ea. Cable Roller Assembly, 2 w/Brake	27
SL-59CI	4 ea. Heavy Duty Cable Roller Assembly	50
SL-71A48*	4' Galvanized Perforated Stem	8.5
SL-71A72*	6' Galvanized Perforated Stem	13
SL-70C*	30" Horizontal Truss	18
SL-70B*	48" Horizontal Truss	23
SL-70L*	Truss Board Lock	4.5

SAFETY EQUIPMENT		
PART NO.	DESCRIPTION	WT
SL-99K	6" - 24" Exp.; 2-man Safety Clamp	20
SL-89RSL	12" - 24" Exp.; 2-man Rolling Beam Clamp	35

MISCELLANEOUS		
PART NO.	DESCRIPTION	WT
CR-100	SL-49CI Cable Roller Replacement	.3
CR-200	SL-59CI Cable Roller Replacement	3
SL-49S	Beam Flange Sag Clamp (to 16")	17
SL-49B	24" Stage Binder (for 2-24" Stages)	15
CL-29	5/8" Alloy Shackle	1.5
CL-46	1" Screw Pin Shackle	5
WS-12	1/2" Open Wedge Socket	5
WS-58	5/8" Open Wedge Socket	8
WS-34	3/4" Open Wedge Socket	12
K-10	9/32" - 3/4" Cable/Haven Grip	4
CC-12	1/2" Cable Clamp	.8
CC-58	5/8" Cable Clamp	1
CC-34	3/4" Cable Clamp	1.5

\* Note: 4 Stems, 2 Horizontal Truss and 2 Truss Board Locks needed for 1 working deck when used with SL-49CI. 4 Board Locks with 48" Truss.

For Aluminum Stages, Guardrails, Posts and accessories see Page 26.