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*This manual supersedes TM 5-5420-212-12, dated 18 April 1985, including all changes

HEADQUARTERS, DEPARTMENT OF THE ARMY AND HEADQUARTERS U.S. MARINE CORPS

29 JANUARY 1993

ARMY TM 5-5420-212-10-2 MARINE CORPS TM 08676A-10/1-2 C 1

CHANGE HEADQUARTERS DEPARTMENT OF THE ARMY NO. 1 AND HEADQUARTERS U.S. MARINE CORPS WASHINGTON, D.C., 30 July 1993

> Operator's Manual Medium Girder Bridge Including Bridge Set NSN 5420-00-172-3520 Bridge Erection Set NSN 5420-00-172-3519 LINK REINFORCEMENT SET NSN 5420-01-139-1503

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TM 5-5420-212-10-2, dated 29 January 1993, is changed as follows:

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 Remove and insert pages as indicated below. New or changed text material is indicated by a vertical bar in the margin. An illustration change is indicated by a miniature pointing hand.

Remove pages	Insert pages
1-1 through	1-1 through
1-14	1-14

2. Retain this sheet in front of manual for reference purposes.

ARMY TM 5-5420-212-10-2 MARINE CORPS TM 08676A-10/1-2 C 1

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WARNING

Death or sever injury to personnel and damage to property may result if personnel fail to observe safety precautions.

Use extreme caution when connecting bridge bays. Make sure of secure footing to prevent severe injury or death to personnel.

During bridge assembly and disassembly, before removing captive pins to change heights, a panel pin must be placed through the nose roller and launching nose to prevent the nose from rolling.

Personnel will not use carrying bars to boom the bridge. Carrying bars can forcefully strike/crush personnel if the bridge were to run out of control into the gap.

A vehicle is always required for launching and delaunching. Launching/delaunching by hand can result in personnel loosing control and the bridge crashing into the gap.

Personnel must be down off the bridge and out of the bridge interior during booming, launching and delaunching.

Use caution when connecting bridge bays. Do not put fingers or hands into pin holes or between components being moved or connected. Make sure of secure footing and use correct lifting procedures.

Never raise or lower one end of bridge unless the other end is fixed on locked rollers, on the ground, or secured to a vehicle (when on capsill or front roller beams).

a/(b blank)

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

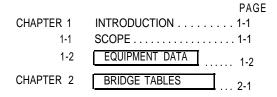
You can help improve this manual. If you find any mistakes or if you know of a way to improve these procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 directly to: Commander, US Army Aviation and Troop Command, ATTN: AMSAT-I-MTS, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798.

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A reply will be furnished directly to you.

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HOW TO USE THIS MANUAL.

The information in this manual is for the experienced MGB user. Component size, weight and quantities per set details are found in equipment data (Chapter 1), which is in alphabetical order for easy reference. The bridge tables (Chapter 2) are in two categories, build and boom (for assembly) and delaunch (for disassembly).

Once the type of bridge, bridge length and type of site have been determined, use the table of contents to find the appropriate table. Each table is presented so that the user reads vertically downwards under the bridge length column. In most cases the table is complete on facing pages for ease of use. In the tables, boom and lauch are defined as

boom - moving the bridge to the RRB launch -moving the bridge to the FRB (or CRB) Abbreviations used in this manual are defined in TM 5-5420-212-10-1 Operator's Manual.

CHAPTER 1 INTRODUCTION

1-1 SCOPE

This manual is for use by the experienced user during the assembly and disassembly of MGB. The equipment data (Chapter 1) provides useful component information. The bridge table (Chapter 2) are a summary of the stop by step procedures. It is important that the user is fully experienced and familiar with the standard drills and detailed procedures in Operator's Manual TM 5-5420-212-10-1. Do not attempt to use the tables until the standard drills and step by step procedures have been practiced a number of times.

1-2 EQUIPMENT DATA

Adjustable Support

Anti-Flutter Tackle (AF)

Length	5 ft 5 in (1.65 m)
Width	7 in (0.16 m)
Height	3 ft 8 in (1.12 m)
weight	143 lb (65 kg) 2 personnel
No. in set	2 personnel 6 (erection)
	2 (link)

Length 9 ft 10 in (3.00 m) Weight 4.4 lb (2 kg) Carried by 1 person No. in set 5 (link)

Bankseat Beam (BSB)

Anchor Assembly (AA)

Length	10 ft 9-1/2 in
0	(3.29 m)
Width	2 ft 3-5/8 in
	(0.70 m)
Height	11-3/16 in
	(0.28 m)
Weight	362 lb (164 kg)
Carried by	4 personnel
No. in set	5 (link)

Anchorage Pin Assembly

Length	2 ft 9-7/8 in (0.88 m)
Diameter	1-3/4 in
Weight	(0.04 m) 26 lb (11.8 kg)
Carried by	1 person
No. in set	10 (link)

Length 13 ft 3-1/2 in (4.06 m) overall 1 ft 6 in (0.48 m) overall 1 ft 9-3/8 in (0.54 m) overall 1 ft 9-3/8 in (0.54 m) overall 1 ft 9-3/8 in (0.54 m) overall 2 ft 9-3/8 in (0.54 m) overall 1 ft 9-3/8 in (0.55 kg) 1 ft 9-3/8 in

Baseplate (Single Story)

Length	2 ft 3/8 in
Width	(0.62 m) 1 ft 5-1/4 in
Height	(0.44 m) 7-3/4 in
	(0.20 m) 2 lb (14.5 kg)
Carried by No. in set	1 person 7 (erection) 4 (link)
	4 (link)

1-2 Change 1

Baseplate (Double Story)

Length 5 ft 4 in (1.63 m) Width 1 ft 11 in (0.58 m) Height 6-3/4 in (0.17 m) Weight 93 lb (42 kg) Carried by 2 personnel No. in set 6 (erection) 4 (link)

Bottom Panel (BP)

Length	6 ft 5 in
- J*	(1.96 m) overall
	6 ft (1.83 m)
	effective
Width	2 ft 3 in
	(0.69 m) overall
Height	3 ft 7-3/8 in
0	(1.1 m)
Weight 4	35 lb (197 ka)
	35 lb (197 kg) / 4 personnel
No. in set	26 (bridge)

Bracing Pin

Length	7-1/4 in
Diameter Weight	(0.18 m) 1 in (2.54 cm) 1-1/2 lb
Carried by	(0.68 kg) 68 (bridge) 1 person 8 (erection) 22 (link)

Bridge Marker Guide

```
Length 4 ft 5 in
(1.35 m) min.
5 ft 11 in
(1.80 m) max.
Weight 5-1/4 lb (2.4 kg)
Carried by 1 person
No. in set 24 (bridge) ■
```

Building Pedestal (BP)

Length	2 ft 1/2 in	
Ū	(0.82 m)	
Width	1 ft 7 in (0.48 m)	
Height	1 ft 4 in (0.41 m)	
Weight	16 lb (7.25 kg) by 1 person	
Carried b	by 1 person	
No. in	set 7 (erection)	

Capsill

Length	15 ft 5-7/16 in	
-	(4.71 m)	
Width	2 ft 6 in (0376 m) 1 ft 2-5/8 in	
Height	1 ft 2-5/8 in	
0	(0.37 m)	
weight 40	0 lb (181 kg)	
Carried by	6 to 8 personnel	
No. in set	0 lb (181 kg) 6 to 8 personnel 1 (link)	

Capsill Pin

Length	1 ft 8-1/2 in	
Diameter	(0.52 m) 1-1/2 in	
	(0.04 m)	
	10 lb (4.5 kg)	
carried by	1 person	
No. in set	3 (link)	

Change 1 1-3

Carrying Bar

Length 2 ft 4-1/2 in (0.72 m) Diameter 1-3/4 in (0.04 m) weight 4 lb (1.8 kg) Carried by 1 person No. in set 46 (erection)

Carrying Handle

Length	1 ft 3/8 in
•	(0.31 m)
Width	5-1/2 in
	(0.14 m)
weight	(0.14 m) 1.25 lb (0.56 kg)
Carried by	1 person
No. in set	1 person 46 (erection)

Curb

Davit Post Assembly

Length 9 ft 5-7/8 in (2.89 m) Width 5 ft 5-3/16 in (1.66 m) Height 11-7/8 in (0.30 m) Weight 192 lb (87 kg) Carried by 4 personnel No. in set 2 (link)

Deck

Length	9 ft 1 in	
	(2.77 m) overall	
Width	1 ft 5-1/4 in	
	(0.44 m) overall	
Height	6-7/8 in	
	(0.17 m)	
	163 lb (74 kg)	
Carried by	2 personnel	
No. in set	74 (bridge)	

End Taper Panel (ETP)

Length Width	5 ft 11 in (1.8 m) 5-3/8 in	Length	13 ft 2-5/8 in (4.03 ml overall
	(0.14 m)	Width	2 ft 4 in)0.71 m)
Height	1 ft 1-1/2 in	Height	1 ft 5-3/4 in
	(0.34 m)		(0.45 m)
	70 lb (32 kg)	Weight	600 lb (272 kg)
Carried by	/ 1 person	Carried by	6 personnel
No. inset	42 (bridge)	No. in set	5 (bridge)

1-4 Change 1

Equipment Bag

Fixed Support

Footwalk

Length Width			in (0.3 (0.25	
Weight			(0.28	
Carried by	1	pers	son	0,
No. in set				
	2	(er	ection)	
	2	(linł	<) ·	

Length 1 ft 4-1/2 in (0.42 m) Width 1 ft (0.3 m) Height 9-1/2 in (0.24 m) Weight 14 lb (6.35 kg) Carried by 1 person No. in set 7 (erection)

Equipment Basket

Length	4 ft 9 in (1.45 m)
Width	1 ft 3 in (0.38 m)
Height	1 ft (0.30 m)
Weight	62 lb
Carried by	(28 kg) (empty) 2 personnel 14 (bridge) 6 (erection) 4 (link)

Length 5 ft 11-7/8 in (1.83 m) Width 2 ft 2-7/8 in (0.68 m) Depth 2-11/16 in (0.07 m) Weight 54 lb (2405 kg) Carried by 1 person No. in set 5 (link)

Footwalk Bearer

Extractor Cable

Lenath	20 ft (6.10 m)
Length Weight	22 lb (10 kg)
Carried by	1 person
	1 (erection)

Length	5 ft 3/8 in (1.53 m)
Width	2-3/4 in
Depth	(0.07 m) 7-3/4 in (0.20 m)
Weight Carried by No. in set	17 lb (7.7 kg) 1 person

Change 1 1-5

Footwalk Post

Length 4 ft 3/8 in (1.23 m) Width 3-13/16 in (0.94 m) Depth 2-15/16 in (0.75 m) Weight 2.6 lb (1.2 kg) carried by 1 person No. in set 8 (link)

Frame Cross Girder

Length 14 ft 3-1/4 in (4.35 m) Width 1 ft 8 in (0.51 m) Height 1 ft 3 in (0.36 m) Weight 171 lb (77.5 kg) Carried by 2 personnel No. in set 3 (erection)

Guard Rope

Length 30 ft (9.14 m) Weight 2 lb (0.9 kg) Carried by 1 person No. in set 4 (link)

Hammer

weight 1.5 lb (0.7 kg) Carried by 1 person No. in set 6 (link) Headless Panel Pin

Length 2 ft 5 in (0.74 m) Diameter 1-3/4 in (4.44 an) Weight 19 lb (6.62 kg) Carried by 1 person No. in set 5 (bridge) 1 (link)

Hydraulic Jack 15T

Height	1 ft 7 in (0.48 m)	
	minimum	
	2 ft 8 in (0.81 m)	
	extended	
	47 lb (21 kg)	
Carried by	1 person	
No. in set	7 (erection)	

Hydraulic Jack 20T

Height	1 ft 6-1/2 in
	(0.47 m)
	minimum
	2 ft 6-1/2 in
	(0.76 m)
	extended
Weight	47 lb (21 kg)
Carried by	1 person
No. in set	2 (link)
	= ()

1-6 Change 1

Jock Post

Length	2 ft 10-3/4 in
-	(0.66 m)
Width	6 in (0.15 m)
Height Weight	11 in (0.26 m) 43 lb (19.5 kg)
Weight	43 lb (19.5 kg)
Carried by	1 person
No. in set	4 (erection)

Jack Seat

Length	9-1/4 in
2011g	(0.23 m)
\A/: -14h	
Width	1 ft (0.3 m)
Height	5 in (0.13 m)
Weight	6 lb (2.7 kg)
Carried by	1 person
No. in set	5 (erection)
	2 (link)

Jack Support

Length	1 ft 3 in (0.38 m)
Width	9 in (0.23 m)
Height	10-1/2 in (
U U	(0.26 m)
	12 lb (5.5 kg)
Carried by	1 person
No. in set	1 person 5 (erection)

Jacking Bracket

Length	4 ft 8-1/2 in (1.44 m)	
width	1 ft 2-7/16 in (0.36 m)	
Height Weight	1 ft 6 in (0.46 m) 135 lb (61.2 kg)	
Carried by No. in set	2 personnel 3 (link)	

Junction Panel (JP)

Landing Roller (LR)

Length	1 ft 4 in (0.4 m)
Width	1 ft 10-1/2 in
	(0.57 m)
Height	11 in (0.26 m)
Weight	61 lb (27.7 kg)
Carried by	1 person
No. in set	4 (erection)
	1 (link)

Change 1 1-7

Landing Roller Pedestal Mk 1 (LRP)

Length 5 ft 7 in (1.7 m) Width 2 ft 6-5/8 in (0.6 m) Height 1 ft 2-1/2 in (0.37 m) Weight 215 lb (97.5 kg) Carried by 4 personnel No. inset 2 (erection)

Landing Roller Pedestal Mk 2 (LRP)

Length 5 ft 7 in (1.7 m) Width 2 ft 6-5/8 in (0.78 m) Height 1 ft 2-1/2 in (0.37 m) Weight 218 lb (99 kg) Carried by 4 personnel No. inset 3 (link)

Launching Nose Cross Girder (LNCG)

Length	8 ft 7-1/2 in
- J	(2.63 m) 10-1/4 in
Width	10-1/4 in
	(0.26 m)
Height	1 ft 6 in (0.46 m)
Weight	157 lb (71 kg)
Carried by	157 lb (71 kg) 2 personnel
No. in set	2 (erection)

Launching Nose Cross Girder Post

Launching Nose Heavy (LNH)

Length	10 ft 4-3/4 in	
	(3.17 m) overall	
	10 ft (3.05 m)	
	effective	
Width	1 ft 6 in (0.46 m)	
Height	2 ft 1 in (0.63 m)	
Weight	386 lb (175 kg) 4 personnel	
carried by	4 personnel	
No. in set	8 (erection)	
	6 (link)	

Launching Non Link (LNL)

Length Width	2 ft 7 in (0.79 m) 6 in (0.15 m)	
Carried by 1 person		
No. in se	t 3 (link)	

1-8 Change 1

Launching Nose Pin

Length 1 ft 5-1/8 in (0.44 m) Diameter 1-1/4 in (0.03 m) Weight 6 lb (2.72 kg) Carried by 1 person No. in set 23 (bridge) 40 (link)

Launching Nose Roller (LNR)

Height 2 ft 9-3/4 in (0.66 m) Width 2 ft in (0.64 m) Depth 7 in (0.16 m) Weight 62 lb (28 kg) Carried by 1 person No. in set 2 (erection)

Lifting Sling

Length 16 ft (4.88 m) Weight 150 lb (68 kg) Canted by 2 personnel No. in set 1 (erection)

Light Launching Nose Front (LLNF)

Length 10 ft (3.05 m) Width 1 ft 1-1/4 in (0.34 m) Height 8-1/4 in (0.21 m) Weight 97 lb (44 kg) Carried by 2 personnel No. in set 5 (erection)

Light Launching Nose Rear (LLNR)

Length	10 ft 5 in (3.17 m) overa 10 ft (3.05 m)	all
	Text	
Width	1 ft 1-1/4 in	
	(0.34 m)	
Height	2 ft (0.61 m)	
Weight	148 lb (67 kg)	
Carried by	y 2 personnel	
No. in s	et 5 (erection)	

Light Tackle (LT)

Length	25 ft (7.62 m)	
Weight	2 lb (0.9 kg)	
Carried by No. in set	1 person 20 (link)	

Long Ramp

Length	14 ft 1/2 in (4.28 m) overall 14 ft (4.27 m)
	effective
Width	1 ft 10 in
	(0.58 m) overall
Height	1 ft (0.3 m)
	400 lb (181 kg)
	y 4 personnel
No. inse	t 15 (bridge) 📕

Change 1 1-9

Long Reinforcing Link

Length	12 ft 3-1/2 in
Width	(3.75 m) 1 ft 2-1/16 in
Denth	(0.36 m)
Depth	3-15/16 in (0.10 m)
Weight	125 lb (57 kg) / 2 personnel
Carried by	/ 2 personnel
No. in set	t 20 (link)

(For use in packing skid when constructing bridges with LRS) Dim'ns 3 in x 8 in x 84 in (0.08 x 0.2 x 2.13 m) Weight 50 lb (22.7 kg) No. in set 4 (link)

Pallet

Longitudinal Girder

Length	14 ft 4-1/2 in
14/2 141	(4.38 m) 1 ft 7-3/4 in
Width	
Height	(0.50 m) overall 5-1/4 in
пеідпі	(0.13 m)
Weight	109 lb (49 kg)
	2 personnel
No. in set	3 (erection)

Packing Timber

(For use under bridge as

packing to Dim'ns	increase 3 in x 8 in x 36 in
	(0.06 x 0.2 x
	Ò.9 m)
Weight	20 lb (9.1 kg)
No. in set	144 (erection)

14 ft 3 in Length (4.34 m) overall 14 ft (4.27 m) effective Width 6 ft 9-1/4 in (2.08 m) overall 6 ft 4 in (1.93 m) effective Height 1 ft (0.30 m) 710 lb (322 kg) Weight Carried by 8 personnel (minimum) No. in set 11 (bridge) 3 (erection) 2 (link)

1-10 Change 1

Pallet Adapter

Length	9 ft 1 in (2.77 m)
Width	4 ft 10 in
Height Weight Carried by No. in set	(1.47 m) 10 in (0.25 m) 400 lb (181 kg) 4 personnel 12 (Midge) 1 (link)

Panel Erection Aid

Length	7 ft (2.1 m)
Width	1 ft 11-3/4 in
	(0.60 m)
Height	1 ft (0.30 m)
Weight	69 lb (31.3 kg) 2 personnel
Carried by	2 personnel
No. in set	3 (erection)

Panel Pin

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Length	2 ft 4-1/2 in
	(0.72 m)
Diameter	1-3/4 in
	(4.44 cm)
Weight	19 lb (8.62 kg)
Carried by	1 person
No. in set	92 (bridge)
	20 (erection)
	. /

Post Tensioning Assembly (PT)

Length 9 ft 4-1/16 in (2.65 m) Width 2 ft 3-3/4 in (0.71 m) Height 2 ft 10-1/16 in (0.87 m) Weight 657 lb (298 kg) Carried by 6 personnel No. in set 4 (link)

Puller

Length 1 ft 10-1/2 in (0.57 m) Weight 33 lb (15 kg) Carried by 1 personnel No. in set 2 (link) (for davit posts and jacking brackets)

Push Bar Adapter

Length	4 ft 3 in (1.30 m)
width	1 ft 3/4 in
	(0.32 m)
Height	3-1/4 in
	(0.08 m)
Weight	100 lb (45 kg)
Carried by	2 personnel
No. in se	et 2 (erection)
	· · · ·

Change 1 1-11

Push Bar cross Girder (PBCG)

Ratchet Wrench 3/4 in

Carried by 1 person

Length

Weight

Length	9 ft 3-1/4 in
0	(2.63 m)
Width	6 in (0.15 m)
Depth Weight	10 in (0.25 m)
Weight	86 lb (39 kg) 2 personnel
Carried by	2 personnel
No. in set	2 (erection)

Push Bar Long (PB)

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Push Bar Short (PB)

Length 10 ft 7-1/4 in (3.23 m) Width 4 in (0.1 m) Depth 4 in (0.1 m) weight 95 lb (43 kg) Carried by 2 personnel No. in set 2 (erection) No. in sét 3 (link) Retainer Clip

1 ft 10-1/2 in (0.57 m)

5 lb (2.3 kg)

Length 4-118 in (0.1 m) Weight (bag of 50) 2 lb (0.91 kg) Carried by 1 person No. in set 200 (bridge) 56 (erection) 150 (link)

Rocking Roller

Length	2 ft 1-9/16 in
Width	(0.65 m) 2 ft 11-7/16 in
width	(0.90 m)
Height	Ì ft 1-11/16 in
	(0.35 m)
Weight	235 lb (107 kg)
Carried by	4 personnel
No. in set	3 (link)

1-12 Change 1

Roller Beam (RB)

Length 15 ft 5-1/2 in (4.71 m) Width 11 in (0.28 m) Height 1 ft 5-7/8 in (0.45 m) Weight 320 lb (145 kg) Carried by 4 personnel No. in set 4 (erection)

Rubber Bumper

Weight 86 b (39 kg) carried by 1 person No. in set 25 (erection) 2 (link) 11 (bridge)

Short Ramp

Length	10 ft 1/2 in (3.06 m) overall
	10 ft (3.05 m)
	effective
Width	1 ft 10 in
	(0.56 m) overall
Height	9-1/4 in
mongine	(0.24 m)
Weight	264 lb (120 kg)
	4 personnel
No. in set	29 (bridge)
	(0)

Short Reinforcing Link

Length	6 ft 3-1/2 in
	(1.92 m)
Width	1 ft 2-1/16 in
	(0.36 m)
Depth	3-15/16 in
·	(0.10 m)
weight	77.5 lb (35 kg)
Carried by	2 personnel
No. in set	4 (link)

Strap, 5,000 lb

Length	21 ft 8 in
	(6.60 m)
Weight 4	lb (1.81 kg)
Carried by	
No. in set	8 (bridge)
No. in set	
	8 (erection)

Strap, 10,000 lb

Length	23 ft (7.01 m)
Weight	6 lb (2.72 kg)
Carried by	1 person
No. in set	18 (bridge)
	18 (link)
	18 (erection)

Sway Brace

Length	10 ft 1-3/4 in	
	(3.09 m)	
Diameter	3-3/8 in	
	(8.57 cm)	
Weight	36 lb (18 kg)	
Carried by	1 person	
No. in set	19 (bridge)	

Change 1 1-13

Tie-Down Lug

Length	7-1/4 in
	(0.18 m)
Width	4 in (0.91 m)
Weight	2 lb (1 kg)
Carried by	1 person
No. in set	12 (bridge)
	12 (link)
	12 (erection)

Top panel

1

Length	6 ft in (1.93 m)
	overall
	6 ft (1.83 m)
	effective
Width	2 ft 1-1/2 in
	(0.65 m) overall
Height	1 ft 9-5/8 in
	(0.55 m)
Weight	385 lb (175 kg)
Carried by	4 personnel
No. in set	34 (bridge)

1-14 Change 1

CHAPTER 2

BRIDGE TABLES

Bridge ft.	26	32	38	44	50
Length m.	7.9	9.8	11.6	13.4	15.2
Bays	4	5	6	7	8
L/Nose	LLN	LLN	LLN	LLN	LLN
Build	Notes	Notes	Notes	Notes	Notes
	a, b, c, d	a, b, c, d	a, b, c, d	a, b, c, d	a, b, c, d
Boom	1p2	1p2	1p2	1p2	1p2
Add	3	3	3	3	3
Boom	1p7	1p7	1p7	1p7	1p7
Add	4	4	4	4	4
Boom	2p3	2p3	2p3	2p3	2p3
Add	BSB	5	5	5	5
Boom		2p7	2p7	2p7	2p7
Add		BSB	6	6	6
Boom Add			3p3 BSB [5D]	3 <u>p</u> 3 7	3p3 7
Boom Add				3p7 [8]	3p7 8
Boom Add				4p3 [BSB, 4D]	4p3 [9]
Boom Add					4p7 [10]

TABLE 2-1 Building and Boom Table - 4 through 8 Bay Single Story (Normal site)

Bays	4	5	6	7	8
Boom Add					5p3 [BSB, 5D]
Launch Add	(2p7) LR^	(3p3) LR^	(4p2) LR^	(5p2) LR^	(6p2) LR^
Launch				7p7 Notes g, h	8p7 Notes g, h
Launch				Note e	Note e
Complete b y	Notes e, f, i	Notes e, f, i	Notes e, f, i	Note i	Note i

NOTES:

- a. Build BSB. LLN. Bay 1 and jackpost on BP and RB.
- b. Boom to center hole of BSB over RB.
- c. Put BP under 1p7
- d. Add Bay 2 and put BP under 2p4.
- e Launch until far bank end of bridge is 9 in (23 cm) from LR or RBSB overhangs RB by 1.5 ft (0.5 m). If minimum bearing is to be used, launch to center hole in BSB.
- f. Remove front section of LLN before push launch.
- g. Move counterweight deck units into final position.
- h. Remove counterweight panels and refit BSB from temporary counterweight position to normal position.
- i. Put bridge on ground.
- Position LR 9 in (23 cm) from F peg.
- Counterweight. (Counterweight BSB connected by shootbolts only).
- () Center of gravity.

Bridge ft	56	62	68	74
Length m	17.1	18.9	20.7	22.6
Bays	9	10	11	12
L/Nose	5N1	5N1	6N1	6N1
Build	Notes	Notes	Notes	Notes
	a, b, c, d	a, b, c, d	a, b, c, d	a, b, c, d
Boom Add	1p2 Note e, f 4, 1N1* 5, 2N1 6, 3N1, 4N1, 5N1	1p2 Note e, f 4, 1N1* 5, 2N1 6, 3N1 4N1, 5N1	1p2 Note e, f 4, 1N1* 5, 2N1 6, 3N1 4N1, 5N1	1p2 Note e, f 4, 1N1* 5, 2N1 6, 3N1 4N1, 5N1
Boom		1p4	1p4	1p4
Add		7	7, 6N1	7, 6N1
Boom Add		2p0 8		1p5 8
Boom Add				2p1 9
Launch	(1p5)	(2p4)	(1p5)	(2p7)
Position	LRP^	LRP^	LRP^	LRP^
Launch	6p5	8p5	7p5	9p5
Remove	Notes g, h	Notes g, h	Notes g, h	Notes g, h
Add	7, 8, 9	9, 10	8, 9, 10, 11	10, 11, 12
	BSB	BSB	BSB	BSB
Compl. by	Note i, j	Note i, j	Note i, j	Note i, j

TABLE 2-2 Building and Boom Table - 9 through 12 Bay Single Story (Normal Site)

NOTES

- a. Put BSB on RB.
- b. Add Bay 1 and put BP under 1 p7
- c. Fit nose roller.
- d. Add Bay 2 and put BP under 2p4.
- e. Add Bay 3 (with headless pin) and put BP at 3p7
- f. Add LNCG posts, LNCG. nose roller and LLN
- Remove LLN.
- g. h Remove LNH sections as they pass LRP.
- Launch until far bank end of bridge is 9 in (23 cm) from LRP or i. BSB overhangs RB by 1.5 ft (0.5 m). If minimum bearing is being used, launch to center hole in BSB.
- j. Put bridge on the ground. Position LRP 9 in (23 cm) from F peg.
- () Center of gravity
- Add LRP and secure with tie down strap

Bridge ft Length m	56 17.1	62 18.9	68 20.7	74 22.6
-			= • • •	
Bays	9	10	11	12
L/Nose	6N1	6N1	7N1	7N1
Build	Notes a thru d	Notes a thru d	Notes a thru d	Notes a thru d
Add	Notes e, f 4 1N1*, 2N1 3N1 [2TP, 4D] 4N1, 5N1 [BSB] 6N1** LRP^	Notes e, f 4 1N1*, 2N1 3N1 [2TP, 4D] 4N1, 5N1 [BSB] 6N1** LRP^	Notes e, f 4 1N1*, 2N1 3N1 [4TP, 4D] 4N1, SN1 [BSB], 6N1 7N1** LRP^	Notes e, f 4 1N1*, 2N1 3N1 [4TP, 4D] 4N1, 5N1 [BSB], 6N1 7N1** LRP^
Remove	[2TP, 4D]	[2TP, 4D]	[4TP, 4D]	[4TP, 4D]
Boom Remove	2p7 [BSB] Note g	2p7 [BSB] Note g	2p7 [BSB] Note g	2p7 [BSB] Note g
Boom Remove	4p5 Note h	4p5 Note h	4p5 Note h	4p5 Note h
Add	5, 6, 7, 8	5, 6, 7, 8	5, 6, 7, 8	5, 6, 7, 8
loom Add	8p5 9, BSB	8p5 9, 10, BSB	8p5 9, 10, 11 BSB	8p5 9, 10, 11, 12 BSB
Complete by	Note i, j, k	Note i, j, k	Note i, j, k	Note i, j, k

TABLE 2-3 Building and Boom Table - 9 through 12 Bay Single Story (Restricted Site)

NOTES:

- a Put BSB on RB.
- b. Add Bay 1 and put BP under 1p7.
- c. Fit nose roller.
- d Add Bay 2 and put BP under 2p6.
- e Add Bay 3 (with headless pin) and put BP at 3p7.
- f. Add LNCG posts, LNCG, nose roller and LLN
- g Place BSB to side of site near rear of bridge
- h Remove nose sections as they pass LRP, observing 5 ft (1.5 m) minimum overhang. Leave last three nose sections in place until far bank end of bridge has been lowered to ground
- Launch until far bank end of bridge is 9 in (23 cm) from LRP or BSB overhangs RB by 1.5 ft (0.5 m) If minimum bearing is being used, launch to center hole in BSB
- j. Lower LRP, remove last 3 LNH
- k. Put Bridge on the ground
- ^ Position LRP 9 in (23 cm) from F peg.
- [] Counterweight. (Counterweight BSB connected by shootbolts only)
- () Center of gravity.
- * Add LRP and secure with tie down strap.
- ** Bridge will tip as nose is boomed

Bridge ft. Length m.	26 7.9	32 9.8	38 11.6	44 13.4	50 15.2
Bays	4	5	6	7	8
L/Nose	LLN	LLN	LLN	LLN	LLN
Build	Notes a, b, c, d, e	Notes a, b, c, d, e	Notes a, b, c, d, e	Note a, b	Note a, b
Remove				BSB	BSB
Add			[5D]	[8, BSB 4D] Notes c, d, e	[9,10 BSB, 5D] Notes c, d, e
Delaunch Recover	(2p7) L R	(3p3) L R	(4p2) LR	(5p2) L R	(6p2) LR
Boom Remove					5p3 [BSB 5D]
Boom Remove					4p7 [10]
Boom Remove				4p3 [BSB 4D]	4p3 [9]
Boom Remove				3p7 [8]	3p7 8
Boom Remove			3p3 BSB [5D]	3p3 7	3p3 7
Bowl Remove		2p7 BSB	2p7 6	2p7 6	2p7 6

TABLE 2-4 Delaunch Table. 4 through 8 Bay Single Story (Normal Site)

Bays	4	5	6	7	8
Boom	2p3	2p3	2p3	2p3	2p3
Remove	BSB	5	5	5	5
Boom	1p7	1p7	1p7	1p7	1p7
Remove	4	4	4	4	4
Boom Remove	1p2 Note f 3				
Boom Remove	BSB Note g 2				
Boom	Note h				
Remove	1	1	1	1	1
Complete by:	Notes	Notes	Notes	Notes	Notes
	i, j				

NOTES:

- a. Remove curbs, deck units and ramps.
- Install RB under bridge min 1.5 ft (0.5 m) from tie end. If minimum bearing is being used, position RB under center hole in BSB.
- c. Add LLN.
- d. Install LR 9 in (23 an) from BSB.
- e. Put BP as required to keep bridge off the ground.
- f. Move BP to 2p7.
- g. Move BP to 1p7.
- h. BSB over BP.
- i. Remove LLN.
- j. Remove BSB. Clear site.
- Counterweight. (Counterweight BSB connected by shootbolts only).
- () Center of gravity

Bridge ft	56	62	68	74
Length m	17.1	18.9	20.7	22.6
Bays	9	10	11	12
L/Nose	5N1	5N1	6N1	6N1
Build	Notes a thru e	Notes a thru e	Notes a	Notes a
	unue	unu e	thru e	thru e
Delaunch Remove	6p5 BSB, 9, 8, 7	8p5 BSB, 10, 9	7p5 BSB, 11, 10 9, 8	9p5 BSB, 12, 11 10
Add	Note f	Note f	Note g	Note g
Delaunch Recover	(1p5) LRP	(2p4) LRP	(1p5) LRP	(2p7) LRP
Boom Remove		2p0 8		2p1 9
Boom Remove				1p5 8
Boom Remove		1p4 7	1p4 6N1, 7	1p4 6N1, 7
Boom Remove	1p2 5N1, 4N1 3N1, 6 2N1, 5 1N1, LLN, 4 Note h, 3	1p2 5N1, 4N1 3N1, 6 2N1, 5 1N1, LLN, 4 Note h, 3	1p2 5N1, 4N1 3N1, 6 2N1, 5 1N1, LLN, 4 Note h, 3	1p2 5N1, 4N1 3N1, 6 2N1, 5 1N1, LLN, 4 Note h, 3
Boom	BSB	BSB	BSB	BSB
Remove	Note i 2, 1	Note i 2, 1	Note i 2, 1	Note i 2, 1
Compl. by	Note j	Note j	Note i	Note i

 TABLE 2-5
 Delaunch Table - 9 through 12 Say Single Story (Normal Site)

NOTES:

- a. Remove curbs. deck units and ramps.
- Install RB under bridge minimum 1.5 ft (0.5m) from and. If minimum bearing is being used, position RB under canter hole of BSB.
- c. Position canter of LR (in LRP) 8 ft (2.4 m) from BSB.
- d. Position BP as required to keep bridge off ground.
- e. Add LNCG posts, LNCG, nose roller and 3 LNH. Reposition LRP [base 9 in (23 cm) from BSB]. Add LNH 4.
- f. Add LNH5 and LLN.
- g. Add LNH5. LNH6 and UN.
- h. Move BP to 2p7. Remove nose roller, LNCG and LNCG posts.
- i. Move BP to 1p7
- j. Remove BSB, Clear site
- () Canter of gravity.

	(,	
Bridge ft Length m	56 17.1	62 18.9	68 20.7	74 22.6
Bays	9	10	11	12
L/Nose	6N1	6N1	7N1	7N1
Build	Notes a thrud	Notes a thrud	Notes a thru d	Notes a thru d
Delaunch Remove	8p5 BSB Note e 9	8p5 BSB Note e 10.9	8p5 BSB Note e 11, 10, 9	8p5 BSB Note e 12, 11, 10, 9
Add	Note f	Note f	Note f	Note f
Delaunch Remove	4p5 8, 7, 6, 5	4p5 6, 7, 6, 5	4p5 8, 7, 6, 5	4p5 8, 7, 6, 3
Add	[BSB]	[BSB]	[BSB]	[BSB]
Delaunch Add	1p0 Note g [2TP, 4D]	1p0 Note g [2TP, 4D]	1p0 Note g [4TP, 4D]	1p0 Note g [4TP, 4D]
Recover	LRP	LRP	LRP	LRP
Remove	6N1, BSB 5N1, 4N1 [2TP, 4D] 3N1, 2N1 1N1 4, LLN 3, 2, 1	6N1, BSB 5N1, 4N1 [2TP, 4D] 3N1, 2N1 1N1 4, LLN 3, 2, 1	7N1, 6N1 BSB 5N1, 4N1 [4TP, 4D] 3N1, 2N1 1N1 4, LLN 3, 2, 1	7N1, 6N1 BSB 5N1, 4N1 [4TP, 4D] 3N1, 2N1 1N1 4, LLN 3, 2, 1
Compl. by	Note h	Note h	Note h	Note h

TABLE 2-6 Delaunch Table - 9 through 12 Bay Single Story (Restricted Site)

- a. Remove curbs, deck units and ramps.
- Install RB under bridge minimum 1.5 ft (0.5 m) from end. If minimum bearing is being used, position RB under center hole of BSB.
- c. Position center of LR (in LRP) 8 ft (2.4 m) from BSB.
- d. Add LNCG posts, LNCG, nose roller and 3 LNH. Reposition LRP [base 9 in (23 cm) from BSB]. Add LNH 4.
- e. Place BSB to side of site near end of bridge.
- f. Add launching nose sections as required, observing minimum 5 ft (1.5 m) overhang.
- g. Position BP as required to keep bridge off ground.
- h. Remove BSB. clear site.
- [] Counterweight. (Counterweight BSB connected by shootbolts only).
- () Center of gravity,

Bridge ft length m	36 11.0	42 12.8	48 14.6	54 16.5	60 18.3	66 20.1
2E + Bays	1	2	3	4	5	6
L/Nose	2N1	3N1	3N1	3N1	4N1	4N1
w/RRB at: Add	1p2 Note a 2N1* E	1p2 Note a 2 3N1*	1p2 Note a 2, 3 3N1*	1p2 Note a 2, 3 3N1* 4	1p2 Note a 2, 3 4N1* 4	1p2 Note a 2, 3 4N1* 4
(CG)	(1p0)	(Bp5)	(Bp0)	(Ap2)	(Ap2)	(Ap2)
Boom Add (CG)		1p6 E (1p2)	2p4 E (1p6)	3p0 (2p3)	3p0 5, E (2p5,	3p0 5,6 (1p6)
Boom Add (CG)						4p0 E (3p1)
Launch Position LRP	(1p0) LZ 3 Note b	(1p2) LZ 8 Note b	(1p6) LZ 5 Note b	(2p3) LZ 4 Note b	(2p5) LZ 8 Note b	(3p1) LZ 5 Note b
Launch Remove	Dp2 RRB	Dp2 RRB	Dp2 RRB	Dp2 RRB	Dp2 RRB	Dp2 RRB
Complete by	Note c, d	Note c, d	Note ۵, ط	Note c, d	Note c, d	Note c, d

TABLE 2-7 Building and Boom Table - 2E + 1 through 2E + 6 Bay Double Story (Normal Site)

- a. Add LNCG posts, LNCG and nose roller.
- b. Check the LR is under LZ given or higher. Remove nose sections as they pass LRP, observing minimum 5 ft (1.5 m) overhang. Leave last three nose sections in place until far bank end of bridge has been lowered to ground
- c. Launch until far bank end of bridge is 9 in (23 cm) from LRP, or end of ETP overhangs FRB by 1.5 ft (0.5 m).
- d. Put bridge on ground
- * Add entire launching nose with LRP secured with tie down strap
- () Center of gravity.

Bridge ft	72	78	84	90	96	102
Length m	21.9	23.8	25.6	27.4	29.3	31.1
2E + Bays	7	8	9	10	11	12
L/Nose	4N1	5N1	5N1	5N1	6N1	6N1
Build E + 1 w/RRB at:	1p2	1p2	1p2	1p2	1p2	1p2
Add (CG)	Note a 2, 3 4N1* 4	Nom a 2,3 5N1* 4.5 (1p0)	Note a 2, 3 5N1* 4, 5 (1p0)	Note a 2, 3 5N1* 4, 5 (1p0)	Note a 2, 3 6N1* 4, 5 (Ap2)	Note a 2, 3 6N1* 4, 5 (Ap2)
Boom Add (CG)	(Ap2) 3p0 5, 6, 7 (2p2)	(1p0) 3p2 6, 7, 8 (2p5)	3p2 6, 7, 8 (2p5)	3p2 6, 7, 8 (2p5)	2p0 6, 7, 8 (2p3)	3p0 6, 7, 8 (2p3)
Boom Add	4p4 E	4p6 E (3p7)	4p6 9, E (4p3)	4p6 9, 10 (3p5)	4p6 9, 10 11 (3p7)	4p4 9, 10 11
(CG) Boom Add (CG)	(3p6)	(397)	(4p3)	(5p0) 5p7 E (5p0)	(5p7) 6p1 E (5p2)	(3p7) 6p1 12, E (5p6)
Launch Position LRP	(3p6) LZ 4 Note b	(3p7) L Z 8 Note b	(4p3) LZ 5 Note b	(5p0) LZ 3 Note b	(5p2) LZ 8 Note b	(5p6) LZ 5 Note b
Launch Remove	Dp2 RRB	Dp2 RRB	Dp2 RRB	Dp2 RRB	Dp2 RRB	Dp2 RRB
Complete by	Note c, d	Note c, d	Note c, d	Note c, d	Note c, d	Note C,d

TABLE 2-8 Building and Boom Table - 2E + 7 through 2E + 12 Bay Double Story (Normal Site)

- a. Add LNCG posts, LNCG and nose roller.
- b. Check the LR is under LZ given or higher. Remove nose sections as they pass LRP. observing minimum 5 ft (1.5 m) overhang. Leave last three nose sections in place until far bank end of bridge has been lowered to ground.
- c. Launch until far bank end of bridge is 9 in (23 cm) from LRP, or end of ETP overhangs FRB by 1.5 ft (0.5 m).
- d. Put bridge on ground.
- * Add entire launching nose with LRP secured with tie down strap.
- () Center of gravity.

Bridge ft	108	114	120	126	132
Length m	32.9	34.8	36.6	38.4	40.2
2E + Bays	13	14	15	16	17
L/Nose	6N1	7N1	7N1	7N1	8N1
Build E + 1 W/RRB at:	1p2	1p2	1p2	1p2	1p2
Add	Note a	Note a	Note a	Note a	Note a
	2, 3 6N1*	2, 3 7N1*	2, 3 7N1*	2, 3 7N1*	2, 3 7N1*
	4.5	4, 5, 6	4, 5, 6	4, 5, 6	4, 5 8N1**, 6
(CG)	(Ap2)	(1p0)	(1p0)	(1p0)	(Ap2)
Boom A d d (CG)	3p0 6, 7, 8 (2p3)	3p2 7, 8, 9 (2p5)	3p2 7, 8, 9 (2p5)	3p2 7, 8, 9 (2p5)	3p0 7, 8, 9 (2p3)
Boom Add (CG)	4p4 9, 10, 11 (4p0)	4p7 10, 11, 12 (4p2)	4p7 10, 11, 12 (4p2)	4p7 10, 11, 12 (4p2)	4p5 10, 11, 12 (3p7)
Boom Add	11p0 12, 13 E	11p0 13, 14 E	11p0 13, 14 15 E	11p0 13 thru 16 E	10p7 13 thru 17 E
(CG)	(6p2)	(6p4)	(7p1)	(7p5)	(8p0)
Launch Position LRP	(6p2) LZ 3 Note b	(6p4) LZ 7 Note b	(7p1) LZ 5 Note b	(7p5) LZ 5 Note b	(8p0) LZ 8 Note b
Launch Remove	10p6 FRB RRB	11p6 FRB RRB	12p6 FRB RRB	13p6 FRB RRB	14p6 FRB RRB
Compl. by	Note c, d	Note c, d	Note c, d	Note c, d	Note c, d

TABLE 2-9 Building and Boom Table - 2E + 13 through 2E + 17 Bay Double Story (W/O LRS) (Normal Site)

- a. Add LNCG posts, LNCG and nose roller.
- b. Check that LR is under LZ given or higher Remove nose sections as they pass LRP, observing minimum 5 ft (1.5 m) overhang. Leave last three nose sections in place until far bank end of bridge has been lowered to ground.
- c Launch until far bank end of bridge is 9 in (23 cm) from LRP, or end of ETP overhangs CRB by 1.5 ft (0.5 m).
- d. Put bridge on ground
- * Add given length launching nose with LRP secured with tie down strap.
- Nose completed by adding 8th LNH or 6 LNH required for 3N2 (double-story nose).
- () Center of gravity

Bridge ft Length m	1 3 8 42.1	144 43.9	150 45.7	156 47.6	162 49.4
2E + Bays	18	19	20	21	22
L/Nose	8N1	6N1+ 3N2	6N1+ 3N2	6N1+ 3N2	6N1+ 3N2
C/weight		[20D + 6C]	[20D + 6C]	[20D + 6C]	[20D + 6C]
Build E + 1 W/RRB at:	1p2	1p2	1p2	1p2	1p2
Add (CG)	Note a 2, 3 7N1* 4, 5 8N1**, 6 (Ap2)	Note a 2, 3 6N1* 4, 5 3N2**, 6 (Bp2)			
A d d (CG)	3p0 7 thr 9 (2p3)	2p4 7 thr 9 (2p0)	2p4 7 thr 9 (2p0)	2p4 7 thr 9 (2p0)	2p4 7 thr 9 (2p0)
Boom Add (CG)	4p5 10, 11, 12 (3p7)	4p2 10 thr 13 (4p0)	4p2 10 thr 13 (4p0)	4p2 10 thr 13 (4p0)	4p2 10 thr 13 (4p0)
Boom Add	10p7 13 thr 18 E	11p0 14 thr 19 E, [20D+ 6C]	11p0 14 thr 20 E, [20D + 6C]	11p0 14 thr 21 E, [20D + 6C]	11p0 14 thr 22 E, [20D + 6C]
(CG)	(8p4)	(9p0)	(9p7)	(10p3)	(10p7)

TABLE 2-10 Building and Boom Table - 2E + 18 through 2E + 22 bay Double Story (w/o LRS) (Normal Site)

2E + Bays	18	19	20	21	22
L/Nose	8N1	6N1+	6N1 +	6N1 +	6N1 +
		3N2	3N2	3N2	3N2
Launch	(8p4)	(9p0)	(9p7)	(10p3)	(10p7)
Position	LZ 5	LZ 2	LZ 4	LZ 5	LZ 6
LRP	Note b				
Launch	15p5	16P5	17P5	18P5	19P5
Remove	FRB	FRB	FRB	FRB	FRB
	RRB	RRB	RRB	RRB	RRB
Compl. by	Note c,d				

- a. Add LNCG posts, LNCG and nose roller.
- b. Check that LR is under LZ given or higher. Remove nose sections as they pass LRP, observing minimum 5 ft (1.5 m) overhang. Leave last three nose sections in place until far bank end of bridge has been lowered to ground.
- c. Launch until far bank end of bridge is 9 in (23 cm) from LRP, or end of ETP overhangs CRB by 1.5 ft. (0.5 m).
- d. Put bridge on ground.
- * Add given length of launching nose with LRP secured with tie down strap.
- ** Nose completed by adding 8th LNH or 6 LNH required for 3N2 (double-story nose).
- [] Counterweight.
- () Center of gravity.

Bridge ft.	36	42	48
Length .	11.0	12.8	14.6
2E + Bays	1	2	3
L/Nose	3N1	4N1	4N1
Build E + 1			
With RRB at:	1p2	1p2	1p2
Add	Note a	Note a	Note a
	3N1*	2	2
		4N1*	4N1*
(CG)	(Cp1)	(Bp7)	(Bp7)
Launch	(Cp1)	(Bp7)	(Bp7)
Position LRP	LZ 3	LZ 8	LZ 2
	Note b	Note b	Note b
Launch	Bp1	1p4	1p4
Remove	RRB	RRB	RRB
Launch	1p4	2p4	2p4
Add	E	Ē	Ē
Launch			3p4
Add			Ē
Complete by	Note c.d	Note c.d	Note c.d

TABLE 2-11 Building and Boom Table-2E +1 through2E + 3 Bay Double Story (Restricted Site)

- a. Add LNCG posts, LNCG and nose roller.
- b. Check LR is under LZ given or higher. Remove nose sections as they pass LRP, observing minimum 5 ft. (1.5 m) overhang. Leave last three nose sections in place until far bank end of bridge has been lowered to ground.
- c. Launch until far bank end of bridge is 9 in. (23 cm) from LRP, or end of ETP overhangs CRB by 1.5 ft (0.5 m).
- d. Put bridge on ground.
- * Add entire launching nose with LRP secured with tie down strap.
- () Center of gravity.

Bridge ft.	5	4	6	0	6	6	
Length .	16.5		18	18.3		20.1	
2E +							
Bays	4	1	4	5	(5	
L/Nose	4N1	5N1	5N1	6N1	5N1	6N1	
Build E + 1							
With RRB	1p2	1p2	1p2	1p2	1p2	1p2	
at:							
Add	Note a						
	2	2	2	2	2,3	2	
	4N1*	5N1*	5N1*	6N1*	5N1*	6N1*	
(CG)	(Bp7)	(Cp1)	(Cp1)	(Cp4)	(Bp4)	(Cp4)	
Boom	1p7		1p5		2p2		
Add	3		3		4		
(CG)	(Bp2)		(Bp4)		(Bp0)		
Boom	2p4		2p2		2p6		
Add	4		4		5		
(CG)	(Ap2)		(Bp0)		(1p0)		
Launch	(Ap2)	(Cp1)	(Bp0)	(Cp4)	(1p0)	(Cp4)	
Position	LZ 3	LZ 6	LZ 2	LZ 6	LZ 2	LZ 1	
LRP	Note b						
Launch	2p4	1p4	2p4	1p4	3p4	1p4	
Remove	RRB	RRB	RRB	RRB	RRB	RRB	
Launch	4p4	2p4	4p4	2p4	5p4	2p4	
Add	E	3	5	3	6	3	

TABLE 2-12 Building and Boom Table-2E +4 through2E + 6 Bay Double Story (Restricted Site)

2E + Bays	2	1	5	5	6	6
L/Nose	4N1	5N1	5N1	6N1	5N1	6N1
Launch		3p4	5p4	3p4	6p4	3p4
Add		4	E	4	E	4
Launch		4p4 E		4p4		4p4 5
Add		E		4p4 5		5
Launch				5p4		5p4
Add				Е		6
Launch						6p4 E
Add						E
Complete	Note	Note	Note	Note	Note	Note
by	c,d	c,d	c,d	c,d	c,d	c,d

- a. Add LNCG posts, LNCG and nose roller.
- b. Check LR is under LZ given or higher. Remove nose sections as they pass LRP, observing minimum 5 ft (1.5m) overhang. Leave last three nose sections in place until far bank end of bridge has been lowered to ground.
- c. Launch until far bank end of bridge is 9 in (23cm) from LRP, or end of ETP overhangs CRB by 1.5 ft (0.5m).
- d. Put bridge on ground.
- * Add entire launching nose with LRP secured with tie down strap.
- () Center of gravity.

Bridge ft.	72	2	78		84	
Length .	21.9		23.8		25.6	
2E +						
Bays	7		8	3	Ģ)
L/Nose	5N1	6N1	6N1	7N1	6N1	7N1
Build E + 1						
With RRB at	1p2	1p2	1p2	1p2	1p2	1p2
	_	_	_	_	_	_
Add	Note a					
	2,3	2,3	2,3	2,3	2,3	2,3
	5N1*	6N1*	6N1*	7N1*	6N1*	7N1*
(CG)	(Bp4)	(Bp7)	(Bp7)	(Bp5)	(Bp7)	(BP5)
Boom	2p2	1p7	1p7		1p7	2p1
Add	4,5	4	4		4,5	5
(CG)	(1p0)	(Bp7)	(Bp2)		(Ap2)	(Bp0)
Boom	3p2		2p4		3p0	
Add	6		5		6	
(CG)	(1p4)		(Ap2)		(1p2)	
Boom	3p7		3p0		3p4	
Add	7		6		7	
(CG)	(2p0)		(1p2)		(1p6)	
Boom					4p0	
Add					8	
(CG)					(2p3)	
Launch	(2p0)	(Bp2)	(1p2)	(Bp5)	(2p3)	(Bp0)
Position	LZ 2	LZ 2	LZ 2	LZ4	LZ 3	LZ 1
LRP	Note b					

TABLE 2-13 Building and Boom Table-2E +7 through2E + 9 Bay Double Story (Restricted Site)

2E +Bays	7	7	5	3	ç)
L/Nose	5N1	6N1	6N1	7N1	6N1	7N1
Launch	5p4	2p4	4p4	2p4	6p4	3p4
Remove	RRB	RRB	RRB	RRB	RRB	RRB
Launch	7p4	4p4	6p4	4p4	8p4	5p4
Add	E	5	7	5	9	6
Launch		5p4	7p4	5p4	9p4	6p4
Add		6	8	6	Е	7
Launch		6p4	8p4	6p4		7p4
Add		7	E	7		9
Launch		7p4		7p4		8p4
Add		E		8		9
Launch				8p4		9p4
Add				Ê		È
Complete	Note	Note	Note	Note	Note	Note
Ву	c,d	c,d	c,d	c,d	c,d	c,d

- a. Add LNCG posts, LNCG and nose roller.
- b. Check LR is under LZ given or higher. Remove nose sections as they pass LRP, observing minimum 5 ft (1.5m) overhang. Leave last three nose sections in place until far bank end of bridge has been lowered to ground.
- c. Launch until far bank end of bridge is 9 in (23cm) from LRP, or end of ETP overhangs CRB by 1.5 ft (0.5m).
- d. Put bridge on ground.
- * Add entire launching nose with LRP secured with tie down strap.
- () Center of gravity.

Bridge ft.	90)	9	6	10)2
Length .	27.4		29.3		31.1	
2E + Bays	10		11		12	
L/Nose	6N1	7N1	7N1	8N1	7N1	8N1
Build E + 1						
With RRB at	1p2	1p2	1p2	1p2	1p2	1p2
Add	Note a					
	2,3	2,3	2,3	2,3	2,3	2,3
	6N1*	7N1*	7N1*	7N1*	7N1*	7N1*
		4	4,5	4	4,5	4
				8N1**		8N1**
(CG)	(Bp7)	(Bp5)	(Bp0)	(Cp0)	(Bp0)	(Cp0)
Boom	1p7	2p1	2p6	1p6	2p6	1p6
Add	4,5	5	6.7	5	6,7	5
(CG)	(Ap2)	(Bp0)	(1p4)	(Bp3)	(1p4)	(Bp3)
Boom	3p0	2p6	3p6	2p3	3p6	2p3
Add	6.7	6	8	6	8.9	6
(CG)	(1p6)	(1p0)	(2p1)	(Ap2)	(2p5)	(Ap2)
Boom	4p0	3p2	4p2		4p7	3p0
Add	8	7	9		10	7
(CG)	(2p3)	(1p4)	(2p5)		(3p1)	(1p2)
Boom	4p4				5p3	3p4
Add	9				11	8
(CG)	(2p7)				(3p5)	(1p6)
Boom	5p1					
Add	Ĩ0					
(CG)	(3p)					
Launch	(3p3)	(1p4)	(2p5)	(Ap2)	(3p5)	(1p6)
Position	LZ 3	LZ 1	LZ 2	LZ 1	LZ 2	LZ 1
LRP	Note b					

TABLE 2-14 Building and Boom Table-2E +10 through2E + 12 Bay Double Story (Restricted Site)

2E +Bays	1	0		11		12
L/Nose	6N1	7N1	7N1	8N1	7N1	8N1
Launch Remove	8p4 RRB	5p4 RRB	7p4 RRB	4p4 RRB	9p4 RRB	6p4 RRB
Launch Add	10p4 E	7p4 8	9p4 10	6p4 7	11p4 12	8p4 9
Launch Add		8p4 9	10p4 11	7p4 8	12p4 E	9p4 10
Launch Add		9p4 10	11p4 E	8p4 9		10p4 11
Launch Add		10p4 E		9p4 10		11p4 12
Launch Add				10p4 11		12p4 E
Launch Add				11p4 E		
Complete By	Note c,d	Note c,d	Note c,d	Note c,d	Note c,d	Note c,d

- a. Add LNCG posts, LNCG and nose roller.
- b. Check LR is under LZ given or higher. Remove nose sections as they pass LRP, observing minimum 5 ft (1.5m) overhang. Leave last three nose sections in place until far bank end of bridge has been lowered to ground.
- c. Launch until far bank end of bridge is 9 in (23cm) from LRP, or end of ETP overhangs CRB by 1.5 ft (0.5m).
- d. Put bridge on ground.
- Add entire launching nose with LRP secured with tie down strap.
- ** Nose completed by adding 8th LNH.
- () Center of gravity.

Bridge ft	36	42	48	54	60	66
Length m	11.0	12.8	14.6	16.5	18.3	20.1
2E + Bays	1	2	3	4	5	6
L/Nose	2N1	3N1	3N1	3N1	4N1	4N1
V Dist ft	38	45	51	55.8	63	69
m	11.6	13.7	15.5	17.0	19.2	21.0
Build	Notes	Notes	Notes	Notes	Notes	Notes
	a,b,c	a,b	a,b	a,b	a,b,d	a,b,d
		and d	and d	and d	and e	and e
Delaunch	Dp2	Dp2	Dp2	Dp2	Dp2	Dp2
Add	RRB	RRB	RRB	RRB	RRB	RRB
Delaunch	(1p0)	(1p2)	(1p6)	(2p3)	(2p5)	(3p1)
Recover	LRP	LRP	LRP	LRP	LRP	LRP
Boom						4p0
Remove						E
(CG)						(1p6)
Boom			2p4	3p0	3p0	3p0
Remove			E	E	E,5	6,5
(CG)			(Bp0)	(Ap2)	(Ap2)	(Ap2)
Boom	1p2	1p6	1p2	1p2	1p2	1p2
Remove	Е	Е		4	4	4
(CG)	(Bp7)	(Bp5		(Bp0)	(Bp2)	(Bp2)
Remove	2N1*	3N1*	3N1*	3N1*	4N1*	4N1*
		2	3,2	3,2	3,2	3,2

TABLE 2-15 Delaunch Table-2E +1 through 2E + 6 BayDouble Story (Normal Site)

2E + Bays	1	2	3	4	5	6
L/Nose	2N1	3N1	3N1	3N1	4N1	4N1
Boom	Bp2	Bp2	Bp2	Bp2	Bp2	Bp2
Remove	1,E	1,E	1,E	1,E	1,E	1,E
Complete by:	Note f					

- a. Remove curbs, decks and ramps and position FRB under bridge min. 1.5 ft (0.5m) from end.
- b. Position center of LR (in LRP) 8 ft (2.4 m) from BSB. Add LNCG posts, LNCG and nose roller.
- c. For 2E + 1 only. Add 2 LNH and LLN.
- d. For 2E + 2 through 2E + 12, add 3 LHN. Reposition LRP [base 9in (23cm) from BSB].
- e. Add remaining nose sections, observing minimum 5 ft (1.5 m) overhang.
- f. Disassemble FRB and RRB. Clear site.
- * Remove entire launching nose, LNCG, LNCG posts and nose
- roller.
- () Center of gravity.

Bridge ft	72	78	84	90	96	102
Length m	21.9	23.8	25.6	27.4	29.3	31.1
2E + Bays	7	8	9	10	11	12
L/Nose	4N1	5N1	5N1	5N1	6N1	6N1
V Dist ft	74	81	87	92	99	105
m	22.6	24.7	26.5	28.0	30.2	32.0
Build	Notes	Notes	Notes	Notes	Notes	Notes
	a,b,	a,b,	a,b,	a,b,	a,b,	a,b,
	d,e	d,e	d,e	d,e	d,e	d,e
Delaunch	Dp2	Dp2	Dp2	Dp2	Dp2	Dp2
Add	RRB	RRB	RRB	RRB	RRB	RRB
Delaunch	(3p6)	(3p7)	(4p3)	(5p0)	(5p2)	(5p6)
Recover	LRP	LRP	LRP	LRP	LRP	LRP
Boom				5p7	6p1	6p1
Remove				E	E	E,12
(CG)				(3p5)	(3p7)	(3p7)
Boom	4p4	4p6	4p6	4p6	4p4	4p4
Remove	Ē	Ē	E,9	10,9	11,10	11,10
					9	9
(CG)	(2p2)	(2p5)	(2p5)	(2p5)	(2p3)	(2p3)
Boom	3p0	3p2	3p2	3p2	3p0	3p0
Remove	7,6	8,7	8,7	8,7	8,7	8,7
	5	6	6	6	6	6
(CG)	(Ap2)	(1p0)	(1p0)	(1p0)	(Ap2)	(Ap2)

TABLE 2-16 Delaunch Table-2E + 7 through 2E + 12 Bay Double Story (Normal Site)

2E + Bays	7	8	9	10	11	12
L/Nose	4N1	5N1	5N1	5N1	6N1	6N1
Boom	1p2	1p2	1p2	1p2	1p2	1p2
Remove	4	5,4	5,4	5,4	5,4	5,4
(CG)	(Bp2)	(Bp5)	(Bp5)	(Bp5)	(Bp7)	(Bp7)
Remove	4N1*	5N1*	5N1*	5N1*	6N1*	6N1*
	3,2	3,2	3,2	3,2	3,2	3,2
Boom	Bp2	Bp2	Bp2	Bp2	Bp2	Bp2
Remove	1,E	1,E	1,E	1,E	1,E	1,E
Complete	Note f					
by:						

- a. Remove curbs, decks and ramps and position FRB under bridge min. 1.5 ft (0.5 m) from end.
- b. Position center of LR (in LRP) 8 ft (2.4 m) from BSB. Add LNCG posts, LNCG and nose roller.
- c. For 2E + 1 only. Add 2 LNH and LLN.
- d. For 2E + 2 through 2E + 12, add 3 LNH. Reposition LRP [base 9in

(23 cm) from BSB].

- e. Add remaining nose sections, observing minimum 5 ft (1.5 m) overhang.
- f. Disassemble FRB and RRB. Clear site.
- * Remove entire launching nose, LNCG, LNCG posts and nose roller.
- () Center of gravity.

Bridge ft	108	114	120	126	130
Length m	32.9	34.8	36.6	38.4	40.2
2E + Bays	13	14	15	16	17
L/Nose	6N1	7N1	7N1	7N1	8N1
Counter-	-	-	-	-	-
Weight					
V Dist ft	110	117	123	128	134.8
m	33.5	35.7	37.5	39	41.1
Build	Notes a	Notes a	Notes a	Notes a	Notes a
	thru c	thru c	thru c	thru c	thru c
Delaunch	10p6	11p6	12p6	13p6	14p6
Add	FRB	FRB	FRB	FRB	FRB
	RRB	RRB	RRB	RRB	RRB
Delaunch	(6p2)	(6p4)	(7p1)	(7p5)	(8p0)
Recover	LRP	LRP	LRP	LRP	LRP
Boom	11p0	10p0	11p0	11p0	10p7
Remove	E,13,12	E,14,13	E,15	E,16	E,17
			thru 13	thru 13	thru 13
(CG)	(4p0)	(4p2)	(4p2)	(4p2)	(3p7)
Boom	4p4	4p7	4p7	4p7	4p5
Remove	11,10,9	12 thru	12 thru	12 thru	12 thru
		10	10	10	10
(CG)	(2p3)	(2p5)	(2p5)	(2p5)	(2p3)
Boom	3p0	3p2	3p2	3p2	3p0
Remove	8,7,6	9 thru 7	9 thru 7	9 thru 7	9 thru 7
(CG)	(Ap2)	(1p0)	(1p0)	(1p0)	(Ap2)

TABLE 2-17 Delaunch Table-2E + 13 through 2E + 17 BayDouble Story (w/o LRS) (Normal Site)

2E + Bays	13	14	15	16	17
L/Nose	6N1	7N1	7N1	7N1	8N1
Boom	1p2	1p2	1p2	1p2	1p2
Remove	5	6,5	6,5	6,5	6,8N1**
	6N1*,4	7N1*,4	7N1*,4	7N1*,4	7N1*,4
	3,2	3,2	3,2	3,2	3,2
Boom	Bp2	Bp2	Bp2	Bp2	Bp2
Remove	1,E	1,E	1,E	1,E	1,E
Complete	Note d				
by:					

- a. Remove all curbs, ramps, and deck units.
- b. Position CRB under bridge min. 1.5 ft (0.5 m) from end.
- c. Add LNCG posts, LNCG and nose roller and install launching nose, observing minimum 5 ft (1.5 m) overhang.
- d. Disassemble FRB and RRB. Clear site.
- ** Remove 8th LNH or all of 3N2 (double-story nose).
- * Remove given length of launching nose, LNCG, LNCG posts and nose roller.
- () Center of gravity.

Bridge ft	138	144	150	156	162
Length m	42.1	43.9	45.7	47.6	49.4
2E + Bays	18	19	20	21	22
L/Nose	8N1	6N1+	6N1+	6N1+	6N1+
		3N2	3N2	3N2	3N2
Counter-	-	[20D+	[20D+	[20D+	[20D+
Weight		6C]	6C]	6C]	6C]
V Dist ft	141	158.5	161	163	165
m	43.0	48.3	49.1	49.7	50.3
Build	Notes a				
	thru c				
Delaunch	15p5	16p5	17p5	18p5	19p5
Add	FRB,	FRB,	FRB,	FRB,	FRB,
	RRB	RRB	RRB	RRB	RRB
Delaunch	(8p4)	(9p0)	(9p7)	(10p3)	(10p7)
Recover	LRP	LRP	LRP	LRP	LRP
Boom	10p7	11p0	11p0	11p0	11p0
Remove	E,18	[6Ĉ+	[6Ĉ+	[6+	[6Ĉ+
	thru 13	20D],E	20D],E	20D],E	20D],E
		19 thru	20 thru	21 thru	22 thru
		14	14	14	14
(CG)	(3p7)	(4p0)	(4p0)	(4p0)	(3p7)
Boom	4p5	4p2	4p2	4p2	4p2
Remove	12 thru	13 thru	13 thru	13 thru	13 thru
	10	10	10	10	10
(CG)	(2p3)	(2p0)	(2p0)	(2p0)	(2p0)

TABLE 2-18 Delaunch Table-2E + 18 through 2E + 22 BayDouble Story (w/o LRS) (Normal Site)

2E +	18	19	20	21	22
Bays					
L/Nose	8N1	6N1+	6N1+	6N1+	6N1+
		3N2	3N2	3N2	3N2
Boom	3p0	2p4	2p4	2p4	2p4
Remove	9 thru 7				
(CG)	(Ap2)	(Bp2)	(Bp2)	(Bp2)	(Bp2)
Boom	Bp2	Bp2	Bp2	Bp2	Bp2
Remove	1,E	1,E	1,E	1,E	1,E
Complete	Note d				
by:					

- Remove all curbs, ramps, and deck units and add counterweight if a. required.
- Position CRB under bridge min. 1.5 ft (0.5 m) from end. b.
- Add LNCG posts, LNCG and nose roller and install launching C. nose, observing minimum 5 ft (1.5 m) overhang. Disassemble FRB and RRB. Clear site.
- d.
- Remove 8th LNH or all of 3N2 (double-story nose). **
- * Remove given length of launching nose, LNCG, LNCG posts and nose roller.
- [] Counterweight.
- Center of gravity. ()

Bridge ft	36	42	48	54	60	66
Length m	11.0	12.8	14.6	16.5	18.3	20.1
2E + Bays	1	2	3	4	5	6
L/Nose	2N1	3N1	3N1	3N1	4N1	4N1
V Dist ft	38	45	51	55.8	63	69
m	11.6	13.7	15.5	17.0	19.2	21.0
Build	Notes	Notes	Notes	Notes	Notes	Notes
	a,b,c	a,b,d	a,b,d	a,b,d	a,b,	a,b,
					d,e	d,e
Delaunch	Dp2	Dp2	Dp2	Dp2	Dp2	Dp2
Add	RRB	RRB	RRB	RRB	RRB	RRB
Delaunch	(1p0)	(1p2)	(1p6)	(2p3)	(2p5)	(3p1)
Recover	LRP	LRP	LRP	LRP	LRP	LRP
Boom	1p3	1p6	2p4	3p0	3p0	4p0
Remove	Е	Е	Е	Е	Е	E
(CG)	(Bp7)	(Bp5)	(Bp0)	(Bp1)	(Bp2)	(1p6)
Boom						3p0
Remove						6,Bp5
(CG)						(1p0)
Boom			1p7	1p7	1p7	1p7
Remove	2N1*	3N1*	3N1*	BP4	TP5	TP5
		Pin	Pin	3N1*	BP4	BP4
		at A	at A		4N1*	4N1*
		BP2	BP3			
(CG)	(Bp3)	(Bp1)	(Ap2)	(1p3)	(1p3)	(1p3)

TABLE 2-19 Delaunch Table-2E +1 through 2E + 6 BayDouble Story (Normal Site – Original Far Bank)

2E + Bays	1	2	3	4	5	6
L/Nose	2N1	3N1	3N1	3N1	4N1	4N1
Boom				2p0	2p0	2p0
Remove				Pin	Pin	Pin
				at A	at A	at A
Boom			1p4	1p4	1p4	1p4
Remove			TP3	TP4	TP4	TP4
			BP2	3, BP2	3, BP2	3, BP2
Boom	Bp0	Bp0	Bp0	Bp0	Bp0	Bp0
Remove	1	TP2, 1	TP2, 1	TP2, 1	TP2, 1	TP2, 1
Boom	Bp2	Bp2	Bp2	Bp2	Bp2	Bp2
Remove	E	E	E	E	Е	E
Complete	Note f					
by:						

- a. Remove curbs, decks and ramps and position FRB under bridge min. 1.5 ft (0.5m) from end.
- b. Position center of LR (in LRP) 8 ft (2.4 m) from BSB. Add LNCG posts, LNCG and nose roller.
- c. For 2E + 1 only. Add 2 LNH and LLN.
- For 2E + 2 through 2E + 12, add 3 LHN. Reposition LRP [base 9in (23cm) from BSB].
- e. Add remaining nose sections, observing minimum 5 ft (1.5 m) overhang.
- f. Disassemble FRB and RRB. Clear site.
- * Remove entire launching nose, LNCG, LNCG posts and nose
- roller.
- () Center of gravity.

Bridge ft	72	78	84	90	96	102
Length m	21.9	23.8	25.6	27.4	29.3	31.1
2E + Bays	7	8	9	10	11	12
L/Nose	4N1	5N1	5N1	5N1	6N1	6N1
V Dist ft	74	81	87	92	99	105
m	22.6	24.7	26.5	28.0	30.2	32.0
Build	Notes	Notes	Notes	Notes	Notes	Notes
	a,b,c,d	a,b,c,d	a,b,c,d	a,b,c,d	a,b,c,d	a,b,c,d
Delaunch	Dp2	Dp2	Dp2	Dp2	Dp2	Dp2
Add	RRB	RRB	RRB	RRB	RRB	RRB
Delaunch	(3p6)	(3p7)	(4p3)	(5p0)	(5p2)	(5p6)
Recover	LRP	LRP	LRP	LRP	LRP	LRP
Boom	4p4	4p6	4p6	5p7	6p1	6p1
Remove	E	E	E	E	Е	E
(CG)	(2p2)	(2p5)	(2p7)	(3p3)	(3p7)	(4p3)
Boom				4p6	4p6	4p6
Remove				BP10	11	12, 11
					BP10	BP10
(CG)				(3p3)	(3p1)	(3p1)
Boom		3p6	3p6	3p6	3p6	3p6
Remove		BP8	9, BP8	TP10	TP10	TP10
				9	9	9
(CG)				BP8	BP8	BP8
		(2p0)	(2p0)	(2p0)	(2p0)	(2p0)
Boom	3p0	3p0	3p0	3p0	3p0	3p0
Remove	7, 6	TP8, 7				
	BP5	BP6	BP6	BP6	BP6	BP6
(CG)	(1p0)	(1p0)	(1p0)	(1p0)	(1p0)	(1p0)

TABLE 2-20 Delaunch Table-2E +7 through 2E + 12 BayDouble Story (Normal Site – Original Far Bank)

2E + Bays	7	8	9	10	11	12
L/Nose	4N1	5N1	5N1	5N1	6N1	6N1
Boom	1p7	1p7	1p7	1p7	1p7	1p7
Remove	TP5	TP6, 5	TP6, 5	TP6,5	TP6, 5	TP6, 5
	BP4	BP4	BP4	BP4	BP4	BP4
	4N1*	5N1*	5N1*	5N1*	6N1*	6N1*
(CG)	(1p3)	(1p3)	(1p3)	(1p3)	(1p3)	(1p3)
Boom	2p0	2p0	2p0	2p0	2p0	2p0
Remove	Pin	Pin	Pin	Pin	Pin	Pin
	at A					
Boom	1p4	1p4	1p4	1p4	1p4	1p4
Remove	TP4	TP4	TP4	TP4	TP4	TP4
	3, BP2					
Boom	Bp0	Bp0	Bp0	Bp0	Bp0	Bp0
Remove	1	TP2, 1	TP2, 1	TP2, 1	TP2, 1	TP2, 1
Boom	Bp2	Bp2	Bp2	Bp2	Bp2	Bp2
Remove	È	Ē	Ė	Ė	Ė	Ê
Complete by:	Note e					

- a. Remove curbs, decks and ramps and position FRB under bridge min. 1.5 ft (0.5m) from end.
- b. Position center of LR (in LRP) 8 ft (2.4 m) from BSB.
- c. Add LNCG posts, LNCG and nose roller. Add 3LNH. Re-position LRP [base 9 in (23 cm) from BSB].
- d. For 2E + 1 only. Add 2 LNH and LLN.
- e. Add remaining nose sections, as required observing the minimum 5 ft (1.5 m) overhang.
- f. Disassemble FRB and RRB. Clear site.
- * Remove entire launching nose, LNCG, LNCG posts and nose
- roller.
- () Center of gravity.

TABLE 2-21 Delaunch Table-2E +13 through 2E + 17 BayDouble Story (w/o LRS) (Normal Site – Original Far Bank)

Bridge ft	108	114	120	126	132
Length m	32.9	34.8	36.6	38.4	40.2
2E + Bays	13	14	15	16	17
L/Nose	6N1	7N1	7N1	7N1	8N1
V Dist ft	110	117	123	128	134.8
m	33.5	35.7	37.5	39	41.1
Build	Notes a				
	thru c				
Delaunch	10p6	11p6	12p6	13p6	14p6
Add	FRB	FRB	FRB	FRB	FRB
	RRB	RRB	RRB	RRB	RRB
Delaunch	(6p2)	(6p4)	(7p1)	(7p5)	(8p0)
Recover	LRP	LRP	LRP	LRP	LRP
Boom	6p4	6p6	7p3	7p7	8p2
Remove	E thru				
	BP12	BP13	BP13	BP13	BP13
(CG)	(4p1)	(4p4)	(4p4)	(4p4)	(4p1)
Boom	4p4	4p6	4p6	4p6	4p4
Remove	TP12	TP13	TP13	TP13	TP13
	thru	thru	thru	thru	thru
	BP9	BP10	BP10	BP10	BP10
(CG)	(2p4)	(2p7)	(2p7)	(2p7)	(2p4)
Boom	2p6	1p6	3p1	3p1	2p6
Remove	TP9thru	TP10	TP10	TP10	TP10
	BP6	thru	thru	thru	thru
		BP7	BP7	BP7	BP7
(CG)	(1p0)	(1p2)	(1p2)	(1p2)	(1p0)

2E + Bays	13	14	15	16	17
L/Nose	6N1	7N1	7N1	7N1	8N1
Boom	1p7	1p7	1p7	1p7	1p7
Remove	TP7 thru				
	BP4	BP4	BP4	Bp4	Bp5
	6N1*	7N1*	7N1*	7N1*	8N1**
					BP4
					7N1*
(CG)	(1p0)	(1p3)	(1p3)	(1p3)	(1p3)
Boom	2p0	2p0	2p0	2p0	2p0
Remove	PIN at A				
Boom	1p4	1p4	1p4	1p4	1p4
Remove	TP4 thru				
	BP2	BP2	BP2	BP2	BP2
Boom	Bp0	Bp0	Bp0	Bp0	Bp0
Remove	TP2, 1				
Boom	Bp2	Bp2	Bp2	Bp2	Bp2
Remove	Е	Е	Е	Е	E
Complete	Note d				
by:					

- a. Remove all curbs, ramps, and deck units.
- b. Position CRB under bridge min. 1.5 ft (0.5 m) from end.
- c. Add LNCG posts, LNCG and nose roller and install launching nose, observing minimum 5 ft (1.5 m) overhang.
- d. Disassemble FRB and RRB. Clear site.
- ** Remove 8th LNH (after BP5)or all of 3N2 (after BP6).
- * Remove given length of launching nose, LNCG, LNCG posts and nose roller.
- () Center of gravity.

TABLE 2-22 Delaunch Table-2E +18 through 2E + 22 BayDouble Story (w/o LRS) (Normal Site – Original Far Bank)

Bridge ft	138	144	150	156	162
Length m	42.1	43.9	45.7	47.6	49.4
2E + Bays	18	19	20	21	22
L/Nose	8N1	6N1,3N1	6N1,3N2	6N1,3N2	6N1,3N2
V Dist ft	141	158.5	161	163	165
m	43.0	48.3	49.1	49.7	50.3
Build	notes a	notes a	notes a	notes a	notes a
	thru c	thru c	thru c	thru c	thru c
Delaunch	10p6	11p6	12p6	13p6	14p6
Add	FRB	FRB	FRB	FRB	FRB
	RRB	RRB	RRB	RRB	RRB
Delaunch	(8p4)	(9p0)	(9p7)	(10p3)	(10p7)
Recover	LRP	LRP	LRP	LRP	LRP
Boom	8p6	9p2	7p3	7p7	8p2
Remove	E thru	[6C+	6C+	6C+	6C+
	BP13	20D]	20D]	20D]	20D]
		E thru	E thru	E thru	E thru
		BP13	BP13	BP13	BP13
(CG)	(4p1)	(3p6)	(3p6)	(3p6)	(3p6)
Boom	4p4	4p0	4p0	4p0	4p0
Remove	TP12	TP13	TP13	TP13	TP13
	thru	thru	thru	thru	thru
	BP9	BP10	BP10	BP10	BP10
(CG)	(2p4)	(2p2)	(2p2)	(2p2)	(2p2)
Boom	2p6	2p4	2p4	2p4	2p6
Remove	TP10	TP10	TP10	TP10	TP10
	thru BP7	thru BP7	thru BP7	thru BP7	thru BP7
(CG)	(1p0)	(Bp0)	(Bp0)	(Bp0)	(Bp0)

2E + Bays	18	19	20	21	22
L/Nose	6N1	7N1	7N1	7N1	8N1
Boom	1p7	1p7	1p7	1p7	1p7
Remove	TP7 thru	TP7	TP7	TP7	TP7
	BP5	BP6	BP6	Bp6	Bp6
	8N1**	3N2**	3N2**	3N2**	3N2**
	BP4	TP6 thru	TP6 thru	TP6 thru	TP6 thru
	7N1*	BP4	BP4	BP4	BP4
		6N1*	6N1*	6N1*	6N1*
(CG)	(1p3)	(1p3)	(1p3)	(1p3)	(1p3)
Boom	2p0	2p0	2p0	2p0	2p0
Remove	PIN at A				
Boom	1p4	1p4	1p4	1p4	1p4
Remove	TP4 thru				
	BP2	BP2	BP2	BP2	BP2
Boom	Bp0	Bp0	Bp0	Bp0	Bp0
Remove	TP2, 1				
Boom	Bp2	Bp2	Bp2	Bp2	Bp2
Remove	E	E	E	E	E
Complete	Note d				
by:					

- a. Remove all curbs, ramps, and deck units and add counterweight if required.
- b. Position CRB under bridge min. 1.5 ft (0.5 m) from end.
- c. Add LNCG posts, LNCG and nose roller and install launching nose, observing minimum 5 ft (1.5 m) overhang.
- d. Disassemble FRB and RRB. Clear site.
- ** Remove 8th LNH (after BP5)or all of 3N2 (after BP6).
- Remove given length of launching nose, LNCG, LNCG posts and
- nose roller.
- [] Counterweight
- () Center of gravity.

Bridge ft.	36	42	48	54	
Length .	11.0	12.8	14.6	16.5	
2E + Bays	1	2	3		4
L/Nose	6N1			7N1	7N1
V Dist ft	39	45	51	57	63
m	11.9	13.7	15.5	17.4	19.2
Build	Notes	Notes	Notes	Notes	Notes
	a,b,	a,b,	a,b	a,b	a,b
	c,d	c,d	c,d	c,d	c,d
Delaunch	1p4	2p4	3p4	4p4	4p4
Remove	E	E	Е	Е	Е
Delaunch			2p4		3p4
Remove			3		4
Delaunch					2p4
Remove					3
Delaunch	Bp1	1p4	1p4	2p4	1p4
Add	RRB	RRB	RRB	RRB	RRB
Delaunch	(Cp1)	(Bp7)	(Bp7)	(Ap2)	(Cp1)
Recover	LRP	LRP	LRP	LRP	LRP
Boom				2p4	
Remove				4	
(CG)				(Bp7)	
Boom				1p7	
Remove				3	
(CG)				(Bp7)	

 TABLE 2-23 Building and Boom Table-2E +1 through2E + 4 Bay

 Double Story (Restricted Site)

2E + Bays	1	2	3	4	
L/Nose	2N1	3N1	3N1	4N1	5N1
Boom	1p3	1p6	1p2	1p2	1p2
Remove	3N1*	4N1*	4N1*	4N1*	5N1*
		2	2	2	2
Boom	Bp2	Bp2	Bp2	Bp2	Bp2
Remove	1,E	1,E	1,E	1,E	1,E
Complete	Note e				
by:					

- a. Remove curbs, decks and ramps and position FRB under bridge min. 1.5 ft (0.5m) from end.
- b. Position center of LR (in LRP) 8 ft (2.4 m) from BSB.
- c. Add LNCG posts, LNCG and nose roller. Add 3 LHN. Reposition LRP [base 9in (23cm) from BSB].
- d. Add remaining nose sections, observing minimum 5 ft (1.5 m) overhang.
- e. Disassemble FRB and RRB. Clear site.
- * Remove entire launching nose, LNCG, LNCG posts and nose roller.
- () Center of gravity.

Bridge ft.	6	0	6	6		
Length .	18	3.3	20.1			
2E + Bays	4	5	6			
L/Nose	5N1	6N1	7N1	7N1		
V Dist ft	63	63	69	69		
m	19.2	19.2	21.0	21.0		
Build	Notes a,b,	Notes a,b	Notes a,b	Notes a,b		
	c,d	c,d	c,d	c,d		
Delaunch	5p4	5p4	6p4	6p4		
Remove	Ē	Ē	Ē	Ê		
Delaunch	4p4	4p4	5p4	5p4		
Remove	5	5	6	6		
Delaunch		3p4		4p4 5		
Remove		4		5		
Delaunch		2p4		3p4		
Remove		3		4		
Delaunch				2p4 3		
Remove				3		
Delaunch	2p4	1p4	3p4	1p4		
Add	RRB	RRB	RRB	RRB		
Delaunch	(Bp0)	(Cp4)	(1p0)	(Cp4)		
Recover	LRP	LRP	LRP	LRP		

 TABLE 2-24 Building and Boom Table-2E +5 through 2E + 6 Bay

 Double Story (Restricted Site)

TABLE 2-24 Building and Boom Table-2E +5 through 2E + 6 Bay Double Story (Restricted Site)

2E + Bays	4	5	(5
L/Nose	5N1	6N1	5N1	6N1
Boom	2p2		2p6	
Remove	4		5	
(CG)			(Bp0)	
Boom	1p5 3		2p4	
Remove	3		4	
(CG)	(Cp1)		(Bp4)	
Boom	1p2	1p2	1p2	1p2
Remove	5N1*	6N1*	5N1*	6N1*
(CG)	2	2	3,2	2
Boom	Bp2	Bp2	Bp2	Bp2
Remove	1,E	1,E	1,E	1,E
Complete by:	Note e	Note e	Note e	Note e

- a. Remove curbs, decks and ramps and position FRB under bridge min 1.5 ft (0.5 m) from the end.
- b. Position center of LR (in LRP) 8 ft (2.4 m) from BSB.
- c. Add LNCG posts, LNCG and nose roller. Add 3 LNH. Reposition LRP [base 9 in (23 cm) from BSB.]
- d. Add remaining nose sections, observing minimum 5 ft (1.5 m) overhang.
- e. Desassemble FRB and RRB. Clear site.
- * Remove entire launching nose, LNCG, LNCG posts and nose roller.
- () Center of gravity.

Bridge ft.	72	,	7	8	8	4
Length .	21		-	3.8	_	5.6
2E +	21	.,	2.		2.	
Bays	7		5	8	9	9
L/Nose	5N1	6N1	6N1	7N1	6N1	7N1
V Dist ft	75	75	81	81	87	87
m	22.9	22.9	24.7	24.7	26.5	26.5
Build	Notes	Notes	Notes	Notes	Notes	Notes
	a,b	a,b	a,b	a,b	a,b	a,b
	c,d	c,d	c,d	c,d	c,d	c,d
Delaunch	7p4	7p4	8p4	8p4	9p4	9p4
Remove	Ē	Ē	Ē	Ē	Ē	Ē
Delaunch		6p4	7p4	7p4	8p4	8p4
Remove		7	8	8	9	9
Delaunch		5p4	6p4	6p4		7p4
Remove		6	7	7		8
Delaunch		4p4		5p4		6p4
Remove		5		6		7
Delaunch				4p4		5p4
Remove				5		6
Delaunch	5p4	2p4	4p4	2p4	6p4	3p4
Add	RRB	RRB	RRB	RRB	RRB	RRB
Delaunch	(2p0)	(Bp2)	(1p2)	(Bp5)	(2p3)	(Bp0)
Recover	LRP	LRP	LRP	LRP	LRP	LRP
Boom	3p7	1p7	3p0		4p0	2p1
Remove	7	4	6		8	5
(CG)	(1p4)	(Bp7)	(Ap2)		(1p6)	(Bp5)

TABLE 2-25 Delaunch Table-2E +7 through 2E + 9 Bay Double Story (Restricted Site)

2E + Bays	1	7	8	3		9
L/Nose	5N1	6N1	6N1	7N1	6N1	7N1
Boom	3p2		2p4		3p4	
Remove	6		5		7	
(CG)	(1p0)		(Bp2)		(1p2)	
Boom	2p2		1p7		3p0	
Remove	5,4		4		6	
(CG)	(Bp4)		(Bp7)		(Ap2)	
Boom					1p7	
Remove					5,4	
(CG)					(Bp7)	
Boom	1p2	1p2	1p2	1p2	1p2	1p2
Remove	5N1*	6N1*	6N1*	4	6N1*	4
	3,2	3,2	3,2	7N1*	3,2	7N1*
				3,2		3,2
Boom	Bp2	Bp2	Bp2	Bp2	Bp2	Bp2
Remove	1,E	1,E	1,E	1,E	1,E	1,E
Complete	Note	Note	Note	Note	Note	Note
by:	е	е	е	е	е	е

- a. Remove curbs, decks and ramps and position FRB under bridge min. 1.5 ft (0.5m) from end.
- b. Position center of LR (in LRP) 8 ft (2.4 m) from BSB.
- c. Add LNCG posts, LNCG and nose roller. Add 3 LHN. Reposition LRP [base 9in (23cm) from BSB].
- d. Add remaining nose sections, observing minimum 5 ft (1.5 m) overhang.
- e. Disassemble FRB and RRB. Clear site.
- Remove entire launching nose, LNCG, LNCG posts and nose
 roller.
- () Center of gravity.

Bridge ft.	9	0	9	6	10	02
Length .	27	<i>'</i> .4		9.3	31	.1
2E + Bays	1	0	1	1	1	2
L/Nose	6N1	7N1	7N1	8N1	7N1	8N1
V Dist ft	93	93	99	99	105	105
m	28.3	28.3	30.2	30.2	32.0	32.0
Build	Notes	Notes	Notes	Notes	Notes	Notes
	a,b	a,b	a,b	a,b	a,b	a,b
	c,d	c,d	c,d	c,d	c,d	c,d
Delaunch	10p4	10p4	11p4	11p4	12p4	12p4
Remove	E	E	E	E	E	E
Delaunch		9p4	10p4	10p4	11p4	11p4
Remove		10	11	11	12	12
Delaunch		8p4	9p4	9p4		10p4
Remove		9	10	10		11
Delaunch		7p4		8p4		9p4
Remove		8		9		10
Delaunch				7p4		8p4
Remove				8		9
Delaunch				6p4		
Remove				7		
Delaunch	8p4	5p4	7p4	4p4	9p4	6p4
Add	RRB	RRB	RRB	RRB	RRB	RRB
Delaunch	(3p3)	(1p4)	(2p5)	(Ap2)	(3p5)	(1p6)
Recover	LRP	LRP	LRP	LRP	LRP	LRP
Boom	5p1	3p2	4p2	2p3	5p3	3p4
Remove	10	7	9	6	11	8
(CG)	(2p7)	(1p0)	(2p1)	(Bp3)	(3p1)	(1p2)

TABLE 2-26 Delaunch Table-2E +10 through 2E + 12 Bay Double Story (Restricted Site)

2E + Bays	1	0	1	1	1	12
L/Nose	6N1	7N1	7N1	8N1	7N1	8N1
Boom	4p4	2p6	3p6	1p6	4p7	3p0
Remove	9	6	8	5	10	7
(CG)	(2p3)	(Bp0)	(1p4)	(Cp0)	(2p5)	(Ap2)
Boom	4p0	2p1	2p6		3p6	2p3
Remove	8	5	7,6		9,8	6
(CG)	(1p6)	(Bp5)	(Bp0)		(1p4)	(Bp3)
Boom	3p0				2p6	1p6
Remove	7,6				7,6	5
(CG)	(Ap2)				(Cp2)	(Cp0)
Boom	1p2	1p2	1p2	1p2	1p2	1p2
Remove		4	5,4	8N1,4	5,4	8N1,4
(CG)		(Cp2)	(Cp2)	(Cp2)	(Cp2)	(Cp2)
Remove	6N1*	7N1*	7N1*	7N1*	7N1*	7N1*
	3,2	3,2	3,2	3,2	3,2	3,2
Boom	Bp2	Bp2	Bp2	Bp2	Bp2	Bp2
Remove	1,E	1,E	1,E	1,E	1,E	1,E
Complete	Note	Note	Note	Note	Note	Note
by:	е	е	е	е	е	е

- a. Remove curbs, decks and ramps and position FRB under bridge min. 1.5 ft (0.5m) from end.
- b. Position center of LR (in LRP) 8 ft (2.4 m) from BSB.
- c. Add LNCG posts, LNCG and nose roller. Add 3 LHN. Reposition LRP [base 9in (23cm) from BSB].
- d. Add remaining nose sections, observing minimum 5 ft (1.5 m) overhang.
- e. Disassemble FRB and RRB. Clear site.
- * Remove entire launching nose, LNCG, LNCG posts and nose roller.
- () Center of gravity.

Bridge	36	42	48	5.	4	60)
ft.	11.0	12.8	14.6	16		18.	
Length .							-
2E + Bays	1	2	3	4	ŀ	5	
L/Nose	3N1	4N1	4N1	4N1	5N1	5N1	6N1
V Dist ft	39	45	51	57	57	63	63
m	11.9	13.7	15.5	17.4	17.4	19.2	19.2
Build	Notes						
	a,b						
	c,d						
Delaunch		2p4	3p4	4p4	4p4	5p4	5p4
Remove		BSB	BSB	BSB	BSB	BSB	BSB
		ETP	ETP	ETP	ETP	ETP	ETP
		F,E	F,E	F,E	F,E	F,E	F,E
Delaunch			2p4	3p4	3p4	4p4	4p4
Remove			D	D	D	D	D
			BP3	BP4	BP4	BP5	BP5
Delaunch					Ap1		1p7
Remove					TP4		TP5
					BP3		BP4
Delaunch							Ap1
Remove							TP4
							BP3
Delaunch		Ap3	Ap3	1p6		1p4	
Add	RRB						
Delaunch	(Ap2)	(Bp4)	(Bp5)	(Bp0)	(Bp7)	(Ap2)	(Cp2)
Recover	LRP						
Boom	Dp1					2p2	
Remove	BSB					TP5	
	ETP					BP4	
	F,E						

TABLE 2-27 Delaunch Table-2E +1 through 2E + 5 BayDouble Story (Restricted Site – Original Far Bank)

2E + Bays	1	2	3	4		5	
L/Nose	3N1	4N1	4N1	4N1	5N1	5N1	6N1
Boom	1p4	1p7	1p7	1p7	1p4	1p5	1p4
Remove	3N1*	4N1*	4N1*	4N1*	5N1*	5N1*	6N1*
(CG)	(Bp1)	(Ap1)	(Ap2)	(1p3)	(Ap2)	(1p3)	(1p3)
Boom	Dp2	2p0	2p0	2p0	2p0	2p0	2p0
Remove	Pin						
	at A						
Boom	1p2	1p4	1p4	1p4	1p4	1p4	1p4
Remove	D	D	TP3	TP4	TP3	TP4	TP3
		BP2	BP2	3	BP2	3	BP2
				BP2		BP2	
Boom	Bp0						
Remove	1	TP2	TP2	TP2	TP2	TP2	TP2
		1	1	1	1	1	1
Boom	Bp2						
Remove	E	Е	E	E	E	Е	E
Complete	Note						
by:	е	е	е	е	е	е	е

- a. Remove curbs, decks and ramps and position FRB under bridge min. 1.5 ft (0.5m) from end.
- b. Position center of LR (in LRP) 8 ft (2.4 m) from BSB.
- c. Add LNCG posts, LNCG and nose roller. Add 3 LHN. Re-Position LRP [base 9in (23cm) from BSB].
- d. Add remaining nose sections, observing minimum 5 ft (1.5 m) overhang.
- e. Disassemble FRB and RRB. Clear site.
- * Remove entire launching nose, LNCG, LNCG posts and nose roller.
- () Center of gravity.

Br. Ft	6	6	7	2	7	8	8	4
Len. M	20		24	.9	23	.8	25.6	
2E + B	6	<u>ó</u>		7	8	3	9	
L/Nose	5N1	6N1	5N1	6N1	6N1	7N1	6N1	7N1
V Dist ft	69	69	75	75	81	81	87	87
m	21.0	21.0	22.9	22.9	24.7	24.7	26.5	26.5
Build	Note	Note	Note	Note	Note	Note	Note	Note
	a,b	a,b	a,b	a,b	a,b	a,b	a,b	a,b
	c,d	c,d	c,d	c,d	c,d	c,d	c,d	c,d
Delau	6p4	6p4	7p4	7p4	8p4	8p4	9p4	9p4
Re-	BSB	BSB	BSB	BSB	BSB	BSB	BSB	BSB
move	ETP	ETP	ETP	ETP	ETP	ETP	ETP	ETP
	F,E	F,E	F,E	F,E	F,E	F,E	F,E	F,E
Delau	5p4	5p4	6p4	6p4	7p4	7p4	8p4	8p4
Re-	D	D	D	D	D	D	D	D
move	BP6	BP6	BP7	BP7	BP8	BP8	BP9	BP9
Delau		2p7		3p7	4p7	4p7		5p7
Re-		TP6		TP7	TP8	TP8		TP9
move		BP5		BP6	BP7	BP7		BP8
Delau		1p7				2p7		3p7
Re-		TP5				TP6		TP7
move		BP4				BP5		BP6
Delau	2p0		3p0		2p2		3p3	
Add	RRB	RRB	RRB	RRB	RRB	RRB	RRB	RRB
Delaunch	(1p2)	(Cp2)	(1p6)	(Bp0)	(1p4)	(Bp3)	(2p5)	(Ap2)
Recover	LRP	LRP	LRP	LRP	LRP	LRP	LRP	LRP

TABLE 2-28 Delaunch Table-2E +6 through 2E + 9 BayDouble Story (Restricted Site – Original Far Bank)

2E + B	6	6	2	7	8	3	9)
L/N	5N1	6N1	5N1	6N1	6N1	7N1	6N1	7N1
Boom	2p6				3p0		4p0	2p1
Re-	TP6				TP7		TP9	TP6
move	BP5				BP6		BP8	BP5
(CG)	(Ap2)				(1p6)		(1p6)	(Bp3)
Boom	2p2		3p2		2p4		3p4	
Re-	TP5		TP7		TP6		TP8	
move	BP4		BP6		BP5		BP7	
(CG)	(Bp3)		(1p2)		(Bp0)		(1p2)	
Boom			2p2				3p0	
Re-			TP6				TP8	
move			BP5				BP7	
(CG)			(Ap2)				(Ap2)	
Boom	1p7	1p4	1p7	1p7	1p7	1p7	1p7	1p7
Re-	5N1*	6N1*	TP5	TP5,	TP5	TP5	TP6	TP5
Move			BP4	BP4	BP4	BP4	BP5	BP4
			5N1*	6N1*	6N1*	7N1*	TP5	7N1*
							BP4	
							6N1*	
(CG)	(1p3)	(Ap2)	(1p3)	(1p3)	(1p3)	(1p3)	(1p3)	(1p3)
Boom	2p0							
Re-	Pin							
move	at A							
Boom	1p4							
Re-	TP4							
move	3	3	3	3	3	3	3	3
	BP2							
Boom	Pp0							
Re-	TP2							
move	1	1	1	1	1	1	1	1

2E + B	6	6		7		8		9	
L/Nose	5N1	6N1	5N1	6N1	6N1	7N1	6N1	7N1	
Boom	Bp2								
Rem	È	È	È	È	È	È	È	Ē	
Comp	Note								
by	е	е	е	е	е	е	е	е	

- a. Remove curbs, decks and ramps and position FRB under bridge min. 1.5 ft (0.5m) from end.
- b. Position center of LR (in LRP) 8 ft (2.4 m) from BSB.
- c. Add LNCG posts, LNCG and nose roller. Add 3 LHN. Reposition LRP [base 9in (23cm) from BSB].
- d. Add remaining nose sections, observing minimum 5 ft (1.5 m) overhang.
- e. Disassemble FRB and RRB. Clear site.
- Remove entire launching nose, LNCG, LNCG posts and nose roller.
- () Center of gravity.

Bridge ft.	0	0	0	6	102	
Length .	-	0 7.4	_	9.3	31	-
V		0		1.5		2
2E + Bays	-	*	-	-	-	-
L/Nose	6N1	7N1	7N1	8N1	7N1	8N1
V Dist ft	93	93	99	99	105	105
m	28.3	28.3	30.2	30.2	32.0	32.0
Build	Notes	Notes	Notes	Notes	Notes	Notes
	a,b	a,b	a,b	a,b	a,b	a,b
	c,d	c,d	c,d	c,d	c,d	c,d
Delaunch	10p4	10p4	11p4	11p4	12p4	12p4
Remove	BSB	BSB	BSB	BSB	BSB	BSB
	ETP	ETP	ETP	ETP	ETP	ETP
	F,E	F,E	F,E	F,E	F,E	F,E
Delaunch	9p4	9p4	10p4	10p4	11p4	11p4
Remove	Ď	Ď	Ď	Ď	Ď	Ď
	BP10	BP10	BP11	BP11	BP12	BP12
Delaunch		8p4	9p4	9p4		10p4
Remove		9	10	10		11
Delaunch		6p7	7p7	7p7		8p7
Remove		TP10	TP11	TP11		TP12
		BP9	BP10	BP10		BP11
Delaunch		5p7		6p7		7p7
Remove		TP9		TP10		TP11
		BP8		BP9		BP10
Delaunch				5p7		6p7
Remove				TP9		TP10
				BP8		BP9
Delaunch				4p7		
Remove				TP8		
				BP7		
Delaunch	4p3		3p5		4p5	
Add	RRB	RRB	RRB	RRB	RRB	RRB

TABLE 2-29 Delaunch Table-2E +10 through 2E + 12 Bay Double Story (Restricted Site – Original Far Bank)

2E + Bays	1	0	1	1	1	2
L/Nose	6N1	7N1	7N1	8N1	7N1	8N1
Delaunch	(3p1)	(1p6)	(2p7)	(1p0)	(3p7)	(2p0)
Recover	LRP	LRP	LRP	LRP	LRP	LRP
Boom		3p2	4p2	2p3	5p3	3p4
Remove		TP8	TP 10	TP7	TP12	TP9
		BP7	BP9	BP6	BP11	BP8
(CG)		(1p2)	(2p3)	(Bp1)	(3p3)	(1p4)
Boom	4p4	2p6	3p6		4p7	3p0
Remove	TP10	TP7	TP9		TP11	TP8
	BP9	BP6	BP8		BP9	BP7
(CG)	(2p5)	(Ap2)	(1p6)		(2p7)	(1p0)
Boom	4p0	2p1	2p6		3p6	2p3
Remove	TP9	TP6	TP8		TP10	TP7
	BP8	BP5	BP7		BP9	BP6
(CG)	(2p0)	(Bp3)	(1p2)		(2p3)	(Bp1)
Boom	3p0				2p6	
Remove	TP8				TP8	
	BP7				BP7	
(CG)	TP7					
	BP6					
	(1p0)				(1p2)	
Boom	1p7	1p7	1p7	1p7	1p7	1p7
Remove	TP6	TP5	TP7	TP6	TP7	TP6
	BP5	BP4	BP6	BP5	BP6	BP5
	TP5	7N1*	TP6	8N1	TP6	8N1
	BP4		BP5	TP5	BP5	TP5
	6N1*		TP5	BP4	TP5	BP4
			BP4	7N1*	BP4	7N1*
			7N1*		7N1*	
(CG)	(1p3)	(1p3)	(1p3)	(1p3)	(1p3)	(1p3)

2E + Bays	1	0	11		-	12
L/Nose	6N1	7N1	7N1	8N1	7N1	8N1
Boom	2p0	2p0	2p0	2p0	2p0	2p0
Remove	Pin at					
	Α	Α	A	А	А	А
Boom	1p4	1p4	1p4	1p4	1p4	1p4
Remove	TP4	TP4	TP4	TP4	TP4	TP4
	3,BP2	3,BP2	3,BP2	3,BP2	3,BP2	3,BP2
Boom	Bp0	Bp0	Bp0	Bp0	Bp0	Bp0
Remove	TP2,1	TP2,1	TP2,1	TP2,1	TP2,1	TP2,1
Boom	Bp2	Bp2	Bp2	Bp2	Bp2	Bp2
Remove	E	Е	Е	E	E	E
Complete	Note	Note	Note	Note	Note	Note
by:	е	е	е	е	е	е

- a. Remove curbs, decks and ramps and position FRB under bridge min. 1.5 ft (0.5m) from end.
- b. Position center of LR (in LRP) 8 ft (2.4 m) from BSB.
- c. Add LNCG posts, LNCG and nose roller. Add 3 LHN. Re-position LRP [base 9in (23cm) from BSB].
- d. Add remaining nose sections, observing minimum 5 ft (1.5 m) overhang.
- e. Disassemble FRB and RRB. Clear site.
- * Remove entire launching nose, LNCG, LNCG posts and nose roller.
- () Center of gravity.

Bridge ft.	108	114	120	126	132
Length .	32.9	34.8	36.6	38.4	40.2
2E + Bays	13	14	15	16	17
L/Nose	7N1	7N1	7N1	8N1	8N1
Build E + 1	1p2	1p2	1p2	1p2	1p2
W/ RRB at:	Note a				
Add	2,3	2,3	2,3	2,3	2,3
	5N1*	5N1*	5N1*	5N1*	5N1*
	4,5	4,5	4,5	4,5	4,5
	7N1**,6	7N1**,6	7N1**,6	7N1**,6	7N1**,6
	(Ap1)	(Ap1)	(Ap1)	(Ap1)	(Ap1)
(CG)					
Boom	3p0	3p0	3p0	1p7	2p7
Add	7,8,9	7,8,9	7,8,9	7,8,9	7,8,9
(CG)	(2p5)	(2p5)	(2p5)	(2p3)	(2p3)
Boom	4p7	4p7	4p7	4p7	4p7
Add	10,11,12	10,11,12	10,11,12	10,11,12	10,11,12
(CG)	(4p2)	(4p2)	(4p2)	(4p0)	(4p0)
Boom	10p0	10p0	10p0	10p0	10p0
Add	AA(L)	AA(L)	AA(L)	AA(L)	AA(L)
	Note b				
(CG)	(4p2)	(4p2)	(4p2)	(4p2)	(4p2)
Boom	11p0	11p0	11p0	11p0	11p0
Add	AA(S)	AA(S)	AA(S)	AA(S)	AA(S)
	13,E	13,14,E	13 thr E	13thr E	13 thr E
(CG)	(6p0)	(6p4)	(7p0)	(7p2)	(7p7)
Boom			13p7	13p7	13p7
Add			PT	PT	PT

TABLE 2-30 Building and Boom Table-2E +13 through 2E +17 Bay Link Reinforced (Normal Site)

2E + Bays	13	14	15	16	17
L/Nose	7N1	7N1	7N1	8N1	8N1
Launch	(6p0)	(6p4)	(7p0)	(7p0)	(7p6)
Position	LZ 7	LZ 4	LZ 3	LZ 7	LZ 5
LRP	Note c				
Launch	6p2				
Add	PT	PT			
Launch	10p6	11p6	12p6	13p6	14p6
Add	PT	PT	PT	PT	PT
Remove	RRB	RRB	RRB	RRB	RRB
	FRB	FRB	FRB	FRB	FRB
Launch	13p2	14p2	15p2	16p2	17p2
Add	AA(S)	AA(S)	AA(S)	AA(S)	AA(S)
Launch	Dp2	Dp2	Dp2	Dp2	Dp2
Add	AA(L)	AA(L)	AA(L)	AA(L)	AA(L)
Complete	Note	Note	Note	Note	Note
by:	d, e, f, g				

- a. Add LNCG posts, LNCG and nose roller.
- b. Stop boom/launch to add long or short links, light tackle and antiflutter as required.
- c. Check the LR is under the LZ given or higher. Remove nose sections as they pass LRP, observing minimum 5 ft. (1.5 m) over hang. Leave last three nose sections in place until far bank end of bridge has been lowered to ground.
- d. Boom to 6 ft. (1.8 m) from Å peg or ETP overhangs CRB by min. 1.5 ft. (0.5 m).
- e. Install ex FRB in front of CRB and then reposition LRP 12 ft. (3.6 m) from A peg.
- f. Launch to required far bank bearing or until end of ETP overhangs Ex FRB by 1.5 ft. (0.5 m).
- g. Put bridge on ground.
- * Add given length of launching nose with LRP secured with tie-down strap.
- ** Nose completed by adding further LNH's.
- () Center of gravity.

Bridge ft.	138	144	150	156	162
Length .	42.1	43.9	45.7	47.6	49.2
2E + Bays	18	19	20	21	22
L/Nose	6N1+	6N1+	6N1+	6N1+	6N1+
	3N2	3N2	3N2	3N2	3N2
Counter-		[8D]	[20D+	[30D+	[40D+
weight			6C]	6C]	6C]
Build E + 1	1p2	1p2	1p2	1p2	1p2
with RRB at:	Note a				
Add	2,3	2,3	2,3	2,3	2,3
	6N1*	6N1*	6N1*	6N1*	6N1*
	4,5	4,5	4,5	4,5	4,5
	3N2**	3N2**	3N2**	3N2**	3N2**
	6.7	6.7	6.7	6.7	6.7
(CG)	(Ap2)	(Ap2)	(Ap2)	(Ap2)	(Ap2)
Boom	2p7	2p7	2p7	2p7	2p7
Add	8,9,10	8,9,10	8,9,10	8,9,10	8,9,10
(CG)	2p3	2p3	2p3	2p3	2p3
Boom	4p5	4p5	4p5	4p5	4p5
Add	11,12,13	11,12,13	11,12,13	11,12,13	11,12,13
(CG	(4p0)	(4p0)	(4p0)	(4p0)	(4p0)
Boom	10p0	10p0	10p0	10p0	10p0
Add	AA(L)	AA(L)	AA(L)	AA(L)	AA(L)
	Note b				
(CG	(4p0)	(4p0	(4p0	(4p0	(4p0
Boom	11p0	11p0	11p0	11p0	11p0
Add	AA(S)	AA(S)	AA(S)	AA(S)	AA(S)
	14 thru				
	17	17	17	17	17
(CG	6p0	6р0	6p0	6p0	6p0

TABLE 2-31 Building and Boom Table-2E +18 through 2E22 Bay Link Reinforced (Normal Site)

2E + Bays	18	19	20	21	22
L/Nose	6N1+	6N1+	6N1+	6N1+	6N1+
	3N2	3N2	3N2	3N2	3N2
Boom	13p0	13p0	13p0	13p0	13p0
Add	18,E	18,19	18 thr	18 thr	18 thr
		-	20	21	22
(CG	7P7	7P7	7P7	7P7	7P7
Boom	13p7	13p7	13p7	13p7	13p7
Add	PT	PT	PT	PT	PT
		E,[8D]	E,[20D		
			+6C]		
(CG	(7p6)	(8p5)	(9p6)	(8p0)	(8p4)
Boom				15p0	15p4
Add				E,[3D]	E,[3D]
(CG				(9p4)	(10p0)
Launch	(8p0)	(8p5)	(9p6)	(9p4)	(10p0)
Position	LZ 9	LZ 7	LZ 7	LZ 2	LZ 2
LRP	Note c				
Launch				15p0	15p0
Add				[27D	[37D
				+6C	+6C
Launch	15p5	16p5	17p5	18p5	19p5
Add	PT	PT	PT	PT	PT
Remove	RRB	RRB	RRB	RRB	RRB
Launch	18p2	19p2	20p2	21p2	22p2
Add	AA(S)	AA(S)	AA(S)	AA(S)	AA(S)
Remove	FRB	FRB	FRB	FRB	FRB
Launch	Dp2	Dp2	Dp2	Dp2	Dp2
Add	AA(L)	AA(L)	AA(L)	AA(L)	AA(L)
Complete	Note	Note	Note	Note	Note
by:	d, e, f, g				

- a. Add LNCG posts, LNCG and nose roller.
- b. Stop boom/launch to add long or short links, light tackle and antiflutter as required.
- c. Check that LR is under LZ given or higher. Remove nose sections as they pass LRP, observing minimum 5 ft. (1.5 m) overhang. Leave last three nose sections in place until far bank end of bridge has been lowered to ground.
- d. Boom to 6 ft. (1.8 m) from A peg or ETP overhangs CRB by min. 1.5 ft. (0.5 m).
- e. Install ex FRB in front of CRB and then reposition LRP 12 ft. (3.6 m) from A peg.
- f. Launch to required far bank bearing or until end of ETP overhangs ex FRB bt 1.5 ft (0-.5 m).
- g. Reposition counterweight deck units to final position and put bridge on ground.
- * Add given length of launching nose with LRP secured with tie-down strap.
- ** Nose completed by adding further LNH's.
- [] Counterweight.
- () Center of gravity.

Bridge ft	108	114	120	126	132
Length m	32.9	34.8	36.6	38.4	40.2
2E + Bays	13	14	15	16	17
L/Nose	7N1	7N1	7N1	8N1	8N1
V Dist ft	118.6	124.9	129.1	136.7	142.6
М	36.16	38.06	39.36	41.66	43.46
Build	Notes a	Notes a	Notes a	Notes a	Notes a
	thru f	thru f	thru f	thru f	thru f
Delaunch	Dp2	Dp2	Dp2	Dp2	Dp2
Add	AA(L)	AA(L)	AA(L)	AA(L)	AA(L)
Delaunch	13p2	14p2	15p2	16p2	17p2
Remove	AA(S)	AA(S)	AA(S)	AA(S)	AA(S)
Delaunch	10p6	11p6	12p6	13p6	14p6
Remove	PT	PT	PT	PT	PT
Add	RRB	RRB	RRB	RRB	RRB
	FRB	FRB	FRB	FRB	FRB
Boom	6p2				
Remove	PT				
Delaunch	(6p0)	(6p4)	(7p0)	(7p2)	(7p6)
Recover	LRP	LRP	LRP	LRP	LRP
Boom			13p7	13p7	13p7
Remove		PT	PT	PT	ΡŤ
Boom	11p0	11p0	11p0	11p0	11p0
Remove	AA(S)	AA(S)	AA(S)	AA(S)	ÂÂ(S)
Boom	10p0	10p0	10p0	10p0	10p0
Remove	AA(L)	AA(L)	AA(L)	AA(L)	AA(L)
	E,13	E,14,13	E thr 13	E thr 13	E thr 13

TABLE 2-32 Delaunch Table – 2E + 13 through 2E + 17 Bay Link Reinforced

2E + Bays	13	14	15	16	17
L/Nose	7N1	7N1	7N1	8N1	8N1
Boom	4p7	(4p7	4p7	4p7	4p7
Remove	12,11	12,11	12,11	12,11	12,11
	10	10	10	10	10
(CG)	(2p5)	(2p5)	(2p5)	(2p3)	(2p3)
Boom	3p0	3p0	3p0	3p0	3p0
Remove	9,8,7	9,8,7	9,8,7	9,8,7	9,8,7
(CG)	(Ap1)	(Ap1)	(Ap1)	(Ap3)	(Ap3)
Boom	1p2	1p2	1p2	1p2	1p2
Remove	6,7N1	6,7N1	6,7N1	6,8N1	6,8N1
	6N1	6N1	6N1	7N1	7N1
	5,4	5,4	5,4	6N1	6N1
	5N1*	5N1*	5N1*	5,4	5,4
	3,2	3,2	3,2	5N1*	5N1*
				3,2	3,2
(CG)	(Bp3)	(Bp3)	(Bp3)	(Bp3)	(Bp3)
Boom	Bp2	Bp2	Bp2	Bp2	Bp2
Remove	1,E	1,E	1,E	1,E	1,E)
Compl. By:	Note g				

- a. Remove curbs, ramps and deck units.
- b. Position ex. FRB under bridge min. 1.5 ft. (0.5 m) from end.
- c. Add LNCG posts, LNCG, nose roller and install launching nose, then reposition LRP 12 ft from A peg.
- d. Delaunch bridge until far BSB is 6 ft. (1.8 m) from A peg or end of
- e. Reposition LRP against A peg and then remove ex. FRB.
- f. Stop boom/delaunch to remove long or short links, light tackle, antiflutter and add launching noses as required, observing minimum 5ft. (1.5 m) overhang.
- g. Disassemble FRB and RRB. Clear site.
- * Remove remainder of launching nose, LNCG, LNCG posts and nose roller.
- () Center of gravity.

Bridge ft	138	144	150	156	162
Length m	42.1	43.9	45.7	47.6	49.4
2E + Bays	18	19	20	21	22
L/Nose	6N1+	6N1+	6N1+	6N1+	6N1+
	3N2	3N2	3N2	3N2	3N2
Counter-		[8D]	[20D	[30D	[40D
weight			+6C]	+6C]	+6C]
V Dist ft	148.8	154.7	160.6	165.2	168.8
m	45.36	47.16	48.96	50.36	51.45
Build	Notes a				
	thru f				
Delaunch	Dp2	Dp2	Dp2	Dp2	Dp2
Remove	AA(L)	AA(L)	AA(L)	AA(L)	AA(L)
Delaunch	18p2	19p2	20p2	21p2	22p2
Remove	AA(S)	AA(S)	AA(S)	AA(S)	AA(S)
Add	FRB	FRB	FRB	FRB	FRB
Delaunch	15p5	15p5	15p5	15p5	15p5
Remove	PT	PT	PT	PT	PT
Add	RRB	RRB	RRB	RRB	RRB
Delaunch				15p0)	(15p0)
Remove				[27D	[37D
				+6C]	+6C]
Delaunch	(8p0)	(8p5)	(9p6)	(9p4)	(10p0)
Recover	LRP	LRP	LRP	LRP	LRP
Boom				15p0	15p4
Remove				E,[3D]	E,[3D]
(CG)				(8p0)	(8p4)

TABLE 2-33 Delaunch Table – 2E + 18 through 2E + 22 Bay Link Reinforced

2E + Bays	18	19	20	21	22
L/Nose	6N1+	6N1+	6N1+	6N1+	6N1+
	3N2	3N2	3N2	3N2	3N2
Boom	13p7	13p7	13p7	13p7	13p7
Remove	-	E,[8D]	E,[20D]	-	-
	PT	PT	+6C]	PT	PT
			PT		
(CG)	(7p7)	(7p0)	(7p4)	(8p0)	(6p0)
Boom	13p0	13p0	13p0	13p0	13p0
Remove	E,18	19,18	20,19	21	22
	(6p0)	(6p0)	18	thru 18	thru 18
			(6p0)	(6p0)	(6p0)
(CG)					
Boom	11p0	11p0	11p0	11p0	11p0
Remove	AA(S)	AA(S)	AA(S)	AA(S)	AA(S)
	17 thru				
	14	14	14	14	14
Boom	10p0	10p0	10p0	10p0	10p0
Remove	AA(S)	AA(S)	AA(S)	AA(S)	AA(S)
(CG)	(4p0)	(4p0)	(4p0)	(4p0)	(4p0)
Boom	4p5	4p5	4p5	4p5	4p5
Remove	13,12	13,12	13,12	13,12	13,12
	11	11	11	11	11
(CG)	(2p3)	(2p3)	(2p3)	(2p3)	(2p3)
Boom	2p7	2p7	2p7	2p7	2p7
Remove	10,9,8	10,9,8	10,9,8	10,9,8	10,9,8
(CG)	(Ap2)	(Ap2)	(Ap2)	(Ap2)	(Ap2)

2E + Bays	18	19	20	21	22
L/Nose	6N1+	6N1+	6N1+	6N1+	6N1+
	3N2	3N2	3N2	3N2	3N2
Boom	1p2	1p2	1p2	1p2	1p2
Remove	7,6	7,6	7,6	7,6	7,6
	3N2**	3N2**	3N2**	3N2**	3N2**
	5,4	5,4	5,4	5,4	5,4
	6N1*	6N1*	6N1*	6N1*	6N1*
	3,2	3,2	3,2	3,2	3,2
(CG)	(Bp3)	(Bp3)	(Bp3)	(Bp3)	(Bp3)
Boom	Bp2	Bp2	Bp2	Bp2	Bp2
Remove	1,E	1,E	1,E	1,E)	1,E
Compl. By:	Note g				

- a. Remove curbs, ramps and deck units and add counterweight if required.
- b. Position ex. FRB under bridge min. 1.5 ft. (0.5 m) from end.
- c. Add LNCG posts, LNCG, nose roller and install launching nose, then reposition LRP 12 ft from A peg.
- d. Delaunch bridge until far BSB is 6 ft. (1.8 m) from A peg or end of ETP overhangs CRB by min. 1.5 ft (0.5 m).
- e. Reposition LRP against A peg and then remove ex. FRB.
- f. Stop boom/delaunch to remove long or short links, light tackle, antiflutter and add launching noses as required, observing minimum 5ft. (1.5 m) overhang.
- g. Disassemble FRB and RRB. Clear site.
- ** Remove double story launching nose.
- * Remove remainder of launching nose, LNCG, LNCG posts and nose roller.
- () Center of gravity.

Bridge ft	108	114	120	126	132
Length m	32.9	34.8	36.6	38.4	40.2
2E + Bays	13	14	15	16	17
L/Nose	7N1	7N1	7N1	8N1	8N1
V Dist ft	118.6	124.9	129.1	136.7	142.6
m	36.16	38.06	39.36	41.66	43.46
Build	Notes a				
	thru g				
Delaunch	Dp2	Dp2	Dp2	Dp2	Dp2
Add	Note h				
	AA(L)	AA(L)	AA(L)	AA(L)	AA(L)
Delaunch	13p2	14p2	15p2	16p2	17p2
Remove	AA(S)	AA(S)	AA(S)	AA(S)	AA(S)
Delaunch	12p2	13p2	14p2	15p2	16p2
Add	FRB	FRB	FRB	FRB	FRB
Delaunch	10p6	11p6	12p6	13p6	14p6
Remove	PT	PT	PT	PT	PT
Add	RRB	RRB	RRB	RRB	RRB
Delaunch	6p2				
Remove	PT				
Delaunch	(6p0)	(6p4)	(7p0)	(7p2)	(7p6)
Recover	LRP	LRP	LRP	LRP	LRP
Boom			13p7	13p7	13p7
Remove		PT	PT	PT	PT
Boom	11p0	11p0	11p0	11p0	11p0
Remove	AA(S)	AA(S)	AA(S)	AA(S)	AA(S)

TABLE 2-34 Delaunch Table – 2E + 13 through 2E + 17 Bay Link Reinforced (Normal Site – Original Far Bank)

2E+Bays	13	14	15	16	17
L/Nose	7N1	7N1	7N1	8N1	8N1
Boom Remove (GG)	10p0 AA(L) E thru 12 BP11 (3p4)	10p0 AA(L) E thru 12 BP11 (3P4)	10p0 AA(L) E thru 12 BP11 (3p4)	10p0 AA(L) E thru 13 BE12 (3p6)	10p0 AA(L) E thru 13 BP12 (3p6)
Boom Remove (CG)	4p0 TP11,10 BP9 (2p3)	4p0 TP11,10 BP9 (2p3)	4p0 TP11,10 BP9 (2p3)	4p5 TP12,11 BP10 (2p5)	4p5 TP12,11 BP10 (2p5)
Boom Remove (CG)	3p0 TP9,8 BP7 (1p2)	3p0 TP9,8 BP7 (1p2)	3p0 TP9,8 BP7 (1p2)	3p0 TP10,9 BP8 (1p4)	3p0 TP10,9 BP8 (1p4)
Boom Remove	1p7 TP7 BP6 7N1 TP6 BP5 TP5 BP4 6N1*	1p7 TP7 BP6 7N1 TP6 BP5 TP5 BP4 6N1*	1p7 TP7 BP6 7N1 TP6 BP5 TP5 BP4 6N1*	1p7 TP8 BP7 8N1 TP7 BP6 7N1 TP6 BP4 6N1*	1p7 TP8 BP7 8N1 TP7 BP6 7N1 TP6 BP4 6N1*
Boom Remove	2p0 Pin at A	2p0 Pin at A	2p0 Pin at A	2p0 Pin at A	2p0 Pin at A
Boom Remove	1p4 TP4 BP3 TP3 BP2	1p4 TP4 BP3 TP3 BP2	1p4 TP4 BP3 TP3 BP2	1p4 TP4 BP3 TP3 BP2	1p4 TP4 BP3 TP3 BP2

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2E+Bays	13	14	15	16	17
L/Nose	7N1	7N1	7N1	8N1	8N1
Boom Remove	Bp0 TP2,1	Bp0 TP2,1	Bp0 TP2,1	Вр0 ТР2,1	Bp0 TP2,1
Boom Remove	Bp2 E	Bp2 E	Bp2 E	Bp2 E	Bp2 E
Compl. by:	Note i	Note i	Note i	Note i	Notei

- a. Remove curbs, ramps and deck units.
- b. Skid bridge to correct bearing.
- c. Position ex FRB under bridge 3 ft (0.9 m) from new A' peg. Bridge should overhang ex FRB min.1.5 ft (0.5 m)
- d. Position CRB next to ex FRB.
- e. Add LNCG posts, LNCG, nose roller and install launching nose, then reposition LRP 12 ft from A peg.
- f. Delaunch bridge until far BSB is 6 ft (1.8 m) from A peg or end of ETP overhangs CRB by minimum 1.5 ft (0.5 m)
- g. Reposition LRP against new A peg and then remove ex. FRB.
- h. Stop boom/delaunch to remove long or short links, light tackle, antiflutter and add launching noses as required, obsreving minimum 5ft (1.5 m) overhang.
- i. Disassemble FRB and RRB. Clear site.
- * Remove entire launching nose, LNCG, LNCG Posts and nose roller.
- () Center of gravity.

Link Reinforceu (Normai Sile Original Fai Bank)						
Bridge ft Length m	138 42.1	144 43.9	150 45.7	156 47.6	162 49.4	
2E+Bays	18	19	20	21	22	
L/Nose	6N1,3N2	6N1,3N2	6N1,3N2	6N1,3N2	6N1,3N2	
C/weight		[8D]	[20D,6C]	[30D,6C]	[40D,6C]	
V Dist ft m	148.8 45.36	154.7 47.16	160.6 48.96	165.2 50.36	168.8 51.45	
Build	Notes a thru a	Notes a thru q	Notes a thru g	Notes a thru g	Notes a thru g	
Delaunch Remove	Dp2 Note h AA(L)					
Delaunch Remove	18p2 AA(S)	19p2 AA(S)	20p2 AA(S)	21p2 AA(S)	22p2 AA(S)	
Add	FRB	FRB	FRB	FRB	FRB	
Delaunch Remove	15p5 PT	16p5 PT	17p5 PT	18p5 PT	19p5 PT	
Add	RRB	RRB	RRB	RRB	RRB	
Dalaunch Remove				15p0 [27D,6C]	15p0 [37D,6C]	
Delaunch Recover	(8p0) LRP	(8p7) LRP	(9p5) LRP	(9p4) LRP	(10p0) LRP	
Boom Remove (CG)					15p4 [3D],E (8p4)	

TABLE 2-35 Delaunch Table-2E + 18 through 2E + 22 Bay Link Reinforced (Normal Site. - Original Far Bank)

2E+Bays	18	19	20	21	22
L/Nose	6N1,3N2	6N1,3N2	6N1,3N2	6N1,3N2	6N1,3N2
Boom Remove (CG)	13p7 PT (7p7)	13p7 [8D],E PT (8P1)	13p7 [20D,6C] E,PT (7p5)	13p7 [3D],E PT (8p2)	13p7 PT (6p0)
Boom Remove (CG)	13p0 E,BP18 (6p3)	13p0 19 BP18 (6p2)	13p0 20,19 BP18 (6p2)	13p0 21 thru 19 BP18 (6p2)	13p0 22 thr 19 BP18 (6p0)
Boom Remove	11p0 AA(S)	11p0 AA(S)	11p0 AA(S)	11p0 AA(S)	11p0 AA(S)
Boom Remove (CG)	10p0 AA(L) TP18 17 thr 14 BP13 (3p6)				
Boom Remove (CG)	4p3 TP13 12 BP11 (2p6)	4p3 TP13 12 BP11 (2p6)	4p3 TP13 12 BP11 (2p6)	4p3 TP13 12 BP11 (2p6)	4p3 TP13 12 BP11 (2p6)
Boom Remove (CG)	3p0 T11,10 BP9 (1p4)	3p0 TP11,10 BP9 (1p4)	3p0 TP11,10 BP9 (1p4)	3p0 TP11,10 BP9 (1p4)	3p0 TP11,10 BP9 (1p4)
Boom Remove	1p7 TP9 8,BP7 3N2 TP7,6 5,BP4 6N1*	1p7 TP9 8,BP7 3N2 TP7,6 5,BP4 6N1*	1p7 TP9 8,BP7 3N2 TP7,6 5,BP4 6N1*	1P7 TP9 8,BP7 3N2 TP7,6 5,BP4 6N1*	1p7 TP9 8,BP7 3N2 TP7,6 5,BP4 6N1*

2E+Bays	18	19	20	21	22
L/Nose	6N1,3N2	6N1,3N2	6N1,3N2	6N1,3N2	6N1,3N2
Boom Remove	2p0 Pin at A	2p0 Pin at A	2p0 PinatA	2p0 Pin at A	2p0 PinatA
Boom Remove	1p4 TP4,3 BP2	1p4 TP4,3 BP2	1p4 TP4,3 BP2	1p4 TP4,3 BP2	1p4 TP4,3 BP2
Boom Remove	Вр0 TP2,1	Вр0 ТР2,1	Bp0 TP2,1	Вр0 ТР2,1	Bp0 TP2,1
Boom Remove	Βρ2 Ε	Вр2 Е	Bp2 E	Bp2 E	Bp2 E
Compl.by:	Note i				

NOTES.

- a. Remove curbs, ramps and deck units and add counterweight if required.
- b. Skid bridge to correct bearing.
- c. Position ex. FRB under bridge 3 ft (0.9 m) from new A peg. Bridge should overhang ex FRB min.1.5 ft (0.5 m).
- d. Position CRB next to ex FRB.
- e. Add LNCG posts. LNCG, nose roller and install launching nose, then position LRP 12 ft from A peg.
- f. Delaunch bridge until far BSB is 6 ft (1.8 m) from A peg or end of ETP overhangs CRB by min. 1.5 ft (0.5 m)
- g. Reposition LRP against new A peg and then remove ex. FRB.
- Stop boom/delaunch to remove long or short links, light tackle, antiflutter and add launching noses as required, observing minimum 5 ft (1.5 m) overhang.
- i. Disassemble FRB and RRB. Clear site.
- * Remove entire launching nose, LNCG, LNCG posts and nose roller.
- () Center of gravity.

	Le	Length of Bridge 2E + Number of Bays						
	1	2	3	4	5	6		
Brg Lgth (m)	11.0	12.8	14.6	16.5	18.3	20.1		
		Norma	al Site	•				
Nose Conf.	2N1		3N1			N1		
V Distance	11.6	13.7	15.5	17.0	19.2	21.0		
	<u> </u>	Restric	ted Site	•	L	•		
Nose Conf.	3N1	41	N1	4N1 5N1	5N1 c	or 6N1		
V Distance	11.9	13.7	15.5	17.4	19.2	21.0		

Table 2-36 V Distance For 2E + 1 through 2E + 6 Bay Double story Bridges - Normal and Restricted Sites.

Table 2-37 V Distance For 2E + 7 through 2E + 12 Bay Double Story Bridges - Normal and Restricted Sites.

	Le	Length of Bridge 2E + Number of Bays								
	7	8	9	10	11	12				
Brg Lgth (m)	21.9	23.8	25.6	27.4	29.3	31.1				
	Normal Site									
Nose Conf.	4N1	5N1 6N1				N1				
V Distance	22.6	24.7	26.5	28.0	30.2	32.0				
		Restrict	ted Site		•					
Nose Conf.	5N1 6N1	6N1 or 7N1 7N1 or 8N1								
V Distance	22.9	24.7 26.5 28.3 30.2 32.0								

	Length	Length of Bridge 2E + Number of Bays Without LRS.						
	13	14	15	16	17			
Brg Lgth (m)	32.9	34.8	36.6	38.4	40.2			
		Normal S	ite					
Nose Conf.	6N1		7N1		8N1			
V Distance	33.5	35.7	37.5	39.0	41.1			
····	4	Restricted	Site	.				
Nose Conf.	T	8N1						
V Distance	33.4 35.2 37.0 38.9 40.7							

Table 2-38 Distance For 2E + 13 through 2E + 17 Bay Double Story Bridges (w/o LRS) - Normal and Restricted Sites.

Table 2-39 V Distance For 2E + 18 through 2E + 22 Bay Double Story Bridges (w/o LRS) - Normal and Restricted Sites.

	Length	Length of Bridge 2E + Number of Bays V LRS.					
	18	19	20	21	22		
Brg Lgth (m)	42.1	43.9	45.7	47.6	49.4		
	A	Normal S	ite				
Nose Conf.	81	N1	6N1 + 3N2				
V Distance	43.0	48.3	49.1	49.7	50.3		
	·	Restricted	Site				
Nose Conf.		8N1		6N1	+ 3N2		
V Distance	42.5 44.3 46.2 48.0 49						

	Length of Bridge 2E + Number of Bays With LRS.							
	13	14	15	16	17			
Brg Lgth (m)	33.2 35.1 36.9 38.7 40.							
	· · · · · · · · · · · · · · · · · · ·	Normal S	ite		I			
Nose Conf.		7N1 8N1						
V Distance	36.16 38.06 39.36 41.66 43.46							

Table 2-40 V Distance For 2E + 13 through 2E + 17 Bay Double Story Bridges (w/LRS) - Normal Site.

Table 2-41 V Distance For 2E + 18 through 2E + 22 Bay Double Story Bridges (w/LRS) -Normal Site.

	Length	Length of Bridge 2E + Number of Bays With LRS.						
	18 19 20 21 22							
Brg Lgth (m)	42.4 44.2 46.0 47.9 49.							
		Normal S	ite		.			
Nose Conf.		6N1 + 3N2						
V Distance	45.36 47.16 48.96 50.36 51.45							

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Linear Measure

1 centimeter = 10 millimeters = .39 inch

1 decimeter = 10 centimeters = 3.94 inches

1 meter = 10 decimeters = 39.37 inches

1 dekameter = 10 meters = 32.8 feet

1 hectometer = 10 dekameters = 328.08 feet

1 kilometer = 10 hectometers = 3,280.8 feet

Weights

centigram = 10 milligrams = .15 grain
 decigram = 10 centigrams = 1.54 grains
 gram = 10 decigrams = .035 ounce
 dekagram = 10 grams = .35 ounce
 hectogram = 10 dekagrams = 3.52 ounces
 kilogram = 10 hectograms = 2.2 pounds
 quintal = 100 kilograms = 220.46 pounds
 metric ton = 10 quintals = 1.1 short tons

Liquid Measure

1 centiliter = 10 milliters = .34 fl. ounce 1 deciliter = 10 centiliters = 3.38 fl. ounces 1 liter = 10 deciliters = 33.81 fl. ounces 1 dekaliter = 10 liters = 2.64 gallons 1 hectoliter = 10 dekaliters = 26.42 gallons 1 kiloliter = 10 hectoliters = 264.18 gallons

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