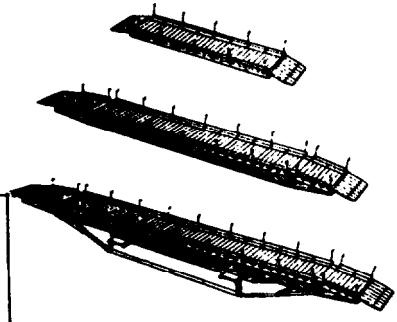
ARMY TM 5-5420-212-10-2
MARINE CORPS TM 08676A-10/12

OPERATOR'S MANUAL
MEDIUM GIRDER BRIDGE



This copy is a reprint which includes current pages from Change 1.

INCLUDING

BRIDGE SET
NSN 5420-00-172-3520
BRIDGE ERECTION SET
NSN 5420-00-172-3519
LINK REINFORCEMENT SET
NSN 5420-01-139-1503

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

*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 NO. 1

HEADQUARTERS
DEPARTMENT OF THE ARMY
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:

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

1. 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 1-14	1-1 through 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

By order of the secretaries of the Army and Navy (including the Marine Corps):

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DISTRIBUTION:
To be distributed in accordance with DA Form 12-25-E, block no. 6019. requirements for TM 5-5420-212-10-2.

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).

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.

Marine Corps - By NAVMC From 10772 directly to: Commander, Marine Corps Logistics Base, ATTN: Code 850, Albany, GA 31704-5000.

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

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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.

Adjustable Support

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)
Carried by 2 personnel
No. in set 6 (erection)
2 (link)

Anchor Assembly (AA)

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

Anti-Flutter Tackle (AF)

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)

Length 13 ft 3-1/2 in (4.06 m) overall
Width 1 ft 6 in (0.48 m) overall
Height 1 ft 9-3/8 in (0.54 m) overall
Weight 570 lb (256 kg)
Carried by 6 personnel
No. in set 7 (bridge)

Baseplate (Single Story)

Length 2 ft 3/8 in (0.62 m)
Width 1 ft 5-1/4 in (0.44 m)
Height 7-3/4 in (0.20 m)
weight 32 lb (14.5 kg)
Carried by 1 person
No. in set 7 (erection)
4 (link)

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 (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 (1.1 m)
Weight 435 lb (197 kg)
Carried by 4 personnel
No. in set 26 (bridge)

Bracing Pin

Length 7-1/4 in (0.18 m)
Diameter 1 in (2.54 cm)
Weight 1-1/2 lb (0.68 kg)
Carried by 1 person
No. in set 8 (erection)
68 (bridge)
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 (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)
Carried 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)
Height 1 ft 2-5/8 in (0.37 m)
weight 400 lb (181 kg)
Carried by 6 to 8 personnel
No. in set 1 (link)

Capsill Pin

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

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	1.25 lb (0.56 kg)
Carried by	1 person
No. in set	46 (erection)

Curb

Length	5 ft 11 in (1.8 m)
Width	5-3/8 in (0.14 m)
Height	1 ft 1-1/2 in (0.34 m)
Weight	70 lb (32 kg)
Carried by	1 person
No. inset	42 (bridge)

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)
Weight	163 lb (74 kg)
Carried by	2 personnel
No. in set	74 (bridge)

End Taper Panel (ETP)

Length	13 ft 2-5/8 in (4.03 ml overall
Width	2 ft 4 in)0.71 m)
Height	1 ft 5-3/4 in (0.45 m)
Weight	600 lb (272 kg)
Carried by	6 personnel
No. in set	5 (bridge)

Equipment Bag

Length	1 ft 2 in (0.36 m)
Width	10 in (0.25 m)
Weight	5/8 lb (0.28 kg)
Carried by	1 person
No. in set	8 (bridge)
	2 (erection)
	2 (link)

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 (28 kg) (empty)
Carried by	2 personnel
No. in set	14 (bridge)
	6 (erection)
	4 (link)

Extractor Cable

Length	20 ft (6.10 m)
Weight	22 lb (10 kg)
Carried by	1 person
No. in set	1 (erection)

Fixed Support

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)

Footwalk

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

Length	5 ft 3/8 in (1.53 m)
Width	2-3/4 in (0.07 m)
Depth	7-3/4 in (0.20 m)
Weight	17 lb (7.7 kg)
Carried by	1 person
No. in set	10 (link)

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
Weight	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)

Jock Post

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

Jack Seat

Length	9-1/4 in (0.23 m)
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 (0.26 m)
Weight	12 lb (5.5 kg)
Carried by	1 person
No. in set	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	1 ft 6 in (0.46 m)
Weight	135 lb (61.2 kg)
Carried by	2 personnel
No. in set	3 (link)

Junction Panel (JP)

Length	3 ft 5-1/4 in (1.05 m) overall 3 ft (0.91 m) effective
width	2 ft 1-1/2 in (0.66 m)
Height	5 ft 3/4 in (1.54 m)
Weight	478 lb (217 kg)
Carried by	4 personnel
No. in set	5 (bridge)

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)

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 (2.63 m)
Width	10-1/4 in (0.26 m)
Height	1 ft 6 in (0.46 m)
Weight	157 lb (71 kg)

Carried by 2 personnel
No. in set 2 (erection)

Launching Nose Cross Girder Post

Length	5 ft 10 in (1.8 m)
Width	4 in (0.1 m)
Height	7-1/4 in (0.16 m)
Weight	32 lb (14.5 kg)

Carried by 1 person
No. in set 4 (erection)

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)

carried by 4 personnel
No. in set 8 (erection)
6 (link)

Launching Non Link (LNL)

Length	2 ft 7 in (0.79 m)
Width	6 in (0.15 m)

Carried by 1 person

No. in set 3 (link)

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) overall
10 ft (3.05 m) Text
Width 1 ft 1-1/4 in (0.34 m)
Height 2 ft (0.61 m)
Weight 148 lb (67 kg)
Carried by 2 personnel
No. in set 5 (erection)

Light Tackle (LT)

Length 25 ft (7.62 m)
Weight 2 lb (0.9 kg)
Carried by 1 person
No. in set 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)
Weight 400 lb (181 kg)
carried by 4 personnel
No. inset 15 (bridge)

Long Reinforcing Link

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

Longitudinal Girder

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

Packing Timber

(For use under bridge as

packing to increase

Dim'ns	3 in x 8 in x 36 in (0.06 x 0.2 x 0.9 m)
Weight	20 lb (9.1 kg)
No. in set	144 (erection)

(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

Length	14 ft 3 in (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)
Weight	710 lb (322 kg)
Carried by	8 personnel (minimum)
No. in set	11 (bridge) 3 (erection) 2 (link)

Pallet Adapter

Length	9 ft 1 in (2.77 m)
Width	4 ft 10 in (1.47 m)
Height	10 in (0.25 m)
Weight	400 lb (181 kg)
Carried by	4 personnel
No. in set	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)
Carried by	2 personnel
No. in set	3 (erection)

Panel Pin

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 set	2 (erection)

Push Bar cross Girder (PBCG)

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

Push Bar Long (PB)

Length	15 ft 8-3/16 in (4.78 m)
Width	4-5/8 in (0.12 m)
Depth	4-1/16 in (0.10 m)
Weight	119 lb (54 kg)
Carried by	2 personnel
No. in set	2 (link)

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)

Ratchet Wrench 3/4 in

Length	1 ft 10-1/2 in (0.57 m)
Weight	5 lb (2.3 kg)
Carried by	1 person
No. in set	3 (link)

Retainer Clip

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

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 lb (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 (0.24 m)
Weight 264 lb (120 kg)
Carried by 4 personnel
No. in set 29 (bridge)

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 1 person
No. in set 8 (bridge)
8 (link)
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)

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

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)

CHAPTER 2

BRIDGE TABLES

[redacted]

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

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	Notes a, b, c, d	Notes a, b, c, d	Notes a, b, c, d	Notes a, b, c, d
Boom Add	1p2 3	1p2 3	1p2 3	1p2 3	1p2 3
Boom Add	1p7 4	1p7 4	1p7 4	1p7 4	1p7 4
Boom Add	2p3 BSB	2p3 5	2p3 5	2p3 5	2p3 5
Boom Add		2p7 BSB	2p7 6	2p7 6	2p7 6
Boom Add			3p3 BSB [5D]	3p3 7	3p3 7
Boom Add				3p7 [8]	3p7 8
Boom Add				4p3 [BSB, 4D]	4p3 [9]
Boom Add					4p7 [10]

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 by	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.

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

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

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
g. Remove LLN.
h Remove LNH sections as they pass LRP.
i. 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. 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

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

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 Remove	Notes e, f 4 1N1*, 2N1 3N1 [2TP, 4D] 4N1, 5N1 [BSB] 6N1** LRP^ [2TP, 4D]	Notes e, f 4 1N1*, 2N1 3N1 [2TP, 4D] 4N1, 5N1 [BSB] 6N1** LRP^ [2TP, 4D]	Notes e, f 4 1N1*, 2N1 3N1 [4TP, 4D] 4N1, SN1 [BSB], 6N1 7N1** LRP^ [4TP, 4D]	Notes e, f 4 1N1*, 2N1 3N1 [4TP, 4D] 4N1, 5N1 [BSB], 6N1 7N1** LRP^ [4TP, 4D]
Boom Remove	2p7 [BSB] Note g	2p7 [BSB] Note g	2p7 [BSB] Note g	2p7 [BSB] Note g
Boom Remove Add	4p5 Note h 5, 6, 7, 8	4p5 Note h 5, 6, 7, 8	4p5 Note h 5, 6, 7, 8	4p5 Note h 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

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

i. 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

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

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 Remove Add	Notes a, b, c, d, e	Notes a, b, c, d, e	Notes a, b, c, d, e [5D]	Note a, b BSB [8, BSB 4D] Notes c, d, e	Note a, b BSB [9,10 BSB, 5D] Notes c, d, e
Delaunch Recover	(2p7) LR	(3p3) LR	(4p2) LR	(5p2) LR	(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

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

NOTES:

a. Remove curbs, deck units and ramps.

b. 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

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

Bridge ft Length m	56 17.1	62 18.9	68 20.7	74 22.6
Bays	9	10	11	12
L/Nose	5N1	5N1	6N1	6N1
Build	Notes a thru e	Notes a thru e	Notes a thru e	Notes a thru e
Delaunch Remove Add	6p5 BSB, 9, 8, 7 Note f	8p5 BSB, 10, 9 Note f	7p5 BSB, 11, 10 9, 8 Note g	9p5 BSB, 12, 11 10 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 Remove	BSB Note i 2, 1	BSB Note i 2, 1	BSB Note i 2, 1	BSB Note i 2, 1
Compl. by	Note j	Note j	Note i	Note i

NOTES:

a. Remove curbs. deck units and ramps.
b. 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.

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

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
Delaunch Remove Add	8p5 BSB Note e 9 Note f	8p5 BSB Note e 10.9 Note f	8p5 BSB Note e 11, 10, 9 Note f	8p5 BSB Note e 12, 11, 10, 9 Note f
Delaunch Remove Add	4p5 8, 7, 6, 5 [BSB]	4p5 6, 7, 6, 5 [BSB]	4p5 8, 7, 6, 5 [BSB]	4p5 8, 7, 6, 3 [BSB]
Delaunch Add Recover Remove	1p0 Note g [2TP, 4D] LRP 6N1, BSB 5N1, 4N1 [2TP, 4D] 3N1, 2N1 1N1 4, LLN 3, 2, 1	1p0 Note g [2TP, 4D] LRP 6N1, BSB 5N1, 4N1 [2TP, 4D] 3N1, 2N1 1N1 4, LLN 3, 2, 1	1p0 Note g [4TP, 4D] LRP 7N1, 6N1 BSB 5N1, 4N1 [4TP, 4D] 3N1, 2N1 1N1 4, LLN 3, 2, 1	1p0 Note g [4TP, 4D] LRP 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

NOTES:

a. Remove curbs, deck units and ramps.

b. 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,

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

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 (CG)	1p2 Note a 2N1* E (1p0)	1p2 Note a 2 3N1* (Bp5)	1p2 Note a 2, 3 3N1* (Bp0)	1p2 Note a 2, 3 3N1* 4 (Ap2)	1p2 Note a 2, 3 4N1* 4 (Ap2)	1p2 Note a 2, 3 4N1* 4 (Ap2)
Boom Add (CG)		1p6 E (1p2)	2p4 E (1p6)	3p0 E (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 c, d	Note c, d	Note c, d	Note c, d

NOTES:

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.

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

Bridge ft Length m	7 2 21.9	7 8 23.8	84 25.6	90 27.4	96 29.3	1 0 2 31.1
2E + Bays	7	8	9	10	11	12
L/Nose	4N1	5N1	5N1	5N1	6N1	6N1
Build E + 1 w/RRB at: Add (CG)	1p2 Note a 2, 3 4N1* 4 (Ap2)	1p2 Nom a 2, 3 5N1* 4.5 (1p0)	1p2 Note a 2, 3 5N1* 4, 5 (1p0)	1p2 Note a 2, 3 5N1* 4, 5 (1p0)	1p2 Note a 2, 3 6N1* 4, 5 (Ap2)	1p2 Note a 2, 3 6N1* 4, 5 (Ap2)
Boom Add (CG)	3p0 5, 6, 7 (2p2)	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 (CG)	4p4 E (3p6)	4p6 E (3p7)	4p6 9, E (4p3)	4p6 9, 10 (3p5)	4p6 9, 10 11 (3p7)	4p4 9, 10 11 (3p7)
Boom Add (CG)				5p7 E (5p0)	6p1 E (5p2)	6p1 12, E (5p6)
Launch Position LRP	(3p6) LZ 4 Note b	(3p7) LZ 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

NOTES:

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.

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

Bridge ft Length m	108 32.9	114 34.8	120 36.6	126 38.4	132 40.2
2E + Bays	13	14	15	16	17
L/Nose	6N1	7N1	7N1	7N1	8N1
Build E + 1 W/RRB at: Add (CG)	1p2 Note a 2, 3 6N1* 4.5 (Ap2)	1p2 Note a 2, 3 7N1* 4, 5, 6 (1p0)	1p2 Note a 2, 3 7N1* 4, 5, 6 (1p0)	1p2 Note a 2, 3 7N1* 4, 5, 6 (1p0)	1p2 Note a 2, 3 7N1* 4, 5 8N1**, 6 (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 (CG)	11p0 12, 13 E (6p2)	11p0 13, 14 E (6p4)	11p0 13, 14 15 E (7p1)	11p0 13 thru 16 E (7p5)	10p7 13 thru 17 E (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

NOTES:

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

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

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	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)	Note a 2, 3 6N1* 4, 5 3N2**, 6 (Bp2)	Note a 2, 3 6N1* 4, 5 3N2**, 6 (Bp2)	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 (CG)	10p7 13 thr 18 E (8p4)	11p0 14 thr 19 E, [20D+ 6C] (9p0)	11p0 14 thr 20 E, [20D + 6C] (9p7)	11p0 14 thr 21 E, [20D + 6C] (10p3)	11p0 14 thr 22 E, [20D + 6C] (10p7)

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

NOTES:

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.

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

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

NOTES:

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.

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

Bridge ft. Length .	54 16.5		60 18.3		66 20.1	
2E + Bays	4		5		6	
L/Nose	4N1	5N1	5N1	6N1	5N1	6N1
Build E + 1 With RRB at: Add (CG)	1p2 Note a 2 4N1* (Bp7)	1p2 Note a 2 5N1* (Cp1)	1p2 Note a 2 5N1* (Cp1)	1p2 Note a 2 6N1* (Cp4)	1p2 Note a 2,3 5N1* (Bp4)	1p2 Note a 2 6N1* (Cp4)
Boom Add (CG)	1p7 3 (Bp2)		1p5 3 (Bp4)		2p2 4 (Bp0)	
Boom Add (CG)	2p4 4 (Ap2)		2p2 4 (Bp0)		2p6 5 (1p0)	
Launch Position LRP	(Ap2) LZ 3 Note b	(Cp1) LZ 6 Note b	(Bp0) LZ 2 Note b	(Cp4) LZ 6 Note b	(1p0) LZ 2 Note b	(Cp4) LZ 1 Note b
Launch Remove	2p4 RRB	1p4 RRB	2p4 RRB	1p4 RRB	3p4 RRB	1p4 RRB
Launch Add	4p4 E	2p4 3	4p4 5	2p4 3	5p4 6	2p4 3

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

NOTES:

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.

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

Bridge ft. Length .	72 21.9		78 23.8		84 25.6	
2E + Bays	7		8		9	
L/Nose	5N1	6N1	6N1	7N1	6N1	7N1
Build E + 1 With RRB at Add (CG)	1p2 Note a 2,3 5N1* (Bp4)	1p2 Note a 2,3 6N1* (Bp7)	1p2 Note a 2,3 6N1* (Bp7)	1p2 Note a 2,3 7N1* (Bp5)	1p2 Note a 2,3 6N1* (Bp7)	1p2 Note a 2,3 7N1* (BP5)
Boom Add (CG)	2p2 4,5 (1p0)	1p7 4 (Bp7)	1p7 4 (Bp2)		1p7 4,5 (Ap2)	2p1 5 (Bp0)
Boom Add (CG)	3p2 6 (1p4)		2p4 5 (Ap2)		3p0 6 (1p2)	
Boom Add (CG)	3p7 7 (2p0)		3p0 6 (1p2)		3p4 7 (1p6)	
Boom Add (CG)					4p0 8 (2p3)	
Launch Position LRP	(2p0) LZ 2 Note b	(Bp2) LZ 2 Note b	(1p2) LZ 2 Note b	(Bp5) LZ 4 Note b	(2p3) LZ 3 Note b	(Bp0) LZ 1 Note b

2E +Bays	7		8		9	
L/Nose	5N1	6N1	6N1	7N1	6N1	7N1
Launch Remove	5p4 RRB	2p4 RRB	4p4 RRB	2p4 RRB	6p4 RRB	3p4 RRB
Launch Add	7p4 E	4p4 5	6p4 7	4p4 5	8p4 9	5p4 6
Launch Add		5p4 6	7p4 8	5p4 6	9p4 E	6p4 7
Launch Add		6p4 7	8p4 E	6p4 7		7p4 9
Launch Add		7p4 E		7p4 8		8p4 9
Launch Add				8p4 E		9p4 E
Complete By	Note c,d	Note c,d	Note c,d	Note c,d	Note c,d	Note c,d

NOTES:

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.

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

Bridge ft. Length .	90 27.4		96 29.3		102 31.1	
2E + Bays	10		11		12	
L/Nose	6N1	7N1	7N1	8N1	7N1	8N1
Build E + 1 With RRB at Add (CG)	 1p2 Note a 2,3 6N1* (Bp7)	 1p2 Note a 2,3 7N1* 4 (Bp5)	 1p2 Note a 2,3 7N1* 4,5 (Bp0)	 1p2 Note a 2,3 7N1* 4 8N1** (Cp0)	 1p2 Note a 2,3 7N1* 4,5 (Bp0)	 1p2 Note a 2,3 7N1* 4 8N1** (Cp0)
Boom Add (CG)	1p7 4,5 (Ap2)	2p1 5 (Bp0)	2p6 6.7 (1p4)	1p6 5 (Bp3)	2p6 6,7 (1p4)	1p6 5 (Bp3)
Boom Add (CG)	3p0 6.7 (1p6)	2p6 6 (1p0)	3p6 8 (2p1)	2p3 6 (Ap2)	3p6 8.9 (2p5)	2p3 6 (Ap2)
Boom Add (CG)	4p0 8 (2p3)	3p2 7 (1p4)	4p2 9 (2p5)		4p7 10 (3p1)	3p0 7 (1p2)
Boom Add (CG)	4p4 9 (2p7)				5p3 11 (3p5)	3p4 8 (1p6)
Boom Add (CG)	5p1 10 (3p)					
Launch Position LRP	(3p3) LZ 3 Note b	(1p4) LZ 1 Note b	(2p5) LZ 2 Note b	(Ap2) LZ 1 Note b	(3p5) LZ 2 Note b	(1p6) LZ 1 Note b

2E +Bays	10		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

NOTES:

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.

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

Bridge Length ft 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
V Dist ft m	38 11.6	45 13.7	51 15.5	55.8 17.0	63 19.2	69 21.0
Build	Notes a,b,c	Notes a,b and d	Notes a,b and d	Notes a,b and d	Notes a,b,d and e	Notes a,b,d and e
Delaunch Add	Dp2 RRB	Dp2 RRB	Dp2 RRB	Dp2 RRB	Dp2 RRB	Dp2 RRB
Delaunch Recover	(1p0) LRP	(1p2) LRP	(1p6) LRP	(2p3) LRP	(2p5) LRP	(3p1) LRP
Boom Remove (CG)						4p0 E (1p6)
Boom Remove (CG)			2p4 E (Bp0)	3p0 E (Ap2)	3p0 E,5 (Ap2)	3p0 6,5 (Ap2)
Boom Remove (CG) Remove	1p2 E (Bp7) 2N1*	1p6 E (Bp5 3N1* 2	1p2 3N1* 3,2	1p2 4 (Bp0) 3N1* 3,2	1p2 4 (Bp2) 4N1* 3,2	1p2 4 (Bp2) 4N1* 3,2

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

NOTES:

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.

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

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

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

NOTES:

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.

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

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

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

NOTES:

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.

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

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

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

NOTES:

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 or all of 3N2 (double-story nose).
* Remove given length of launching nose, LNCG, LNCG posts and nose roller.
[ ] Counterweight.
( ) Center of gravity.

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

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
V Dist ft m	38 11.6	45 13.7	51 15.5	55.8 17.0	63 19.2	69 21.0
Build	Notes a,b,c	Notes a,b,d	Notes a,b,d	Notes a,b,d	Notes a,b, d,e	Notes a,b, d,e
Delaunch Add	Dp2 RRB	Dp2 RRB	Dp2 RRB	Dp2 RRB	Dp2 RRB	Dp2 RRB
Delaunch Recover	(1p0) LRP	(1p2) LRP	(1p6) LRP	(2p3) LRP	(2p5) LRP	(3p1) LRP
Boom Remove (CG)	1p3 E (Bp7)	1p6 E (Bp5)	2p4 E (Bp0)	3p0 E (Bp1)	3p0 E (Bp2)	4p0 E (1p6)
Boom Remove (CG)						3p0 6,Bp5 (1p0)
Boom Remove (CG)	2N1* (Bp3)	3N1* Pin at A BP2 (Bp1)	1p7 3N1* Pin at A BP3 (Ap2)	1p7 BP4 3N1* (1p3)	1p7 TP5 BP4 4N1* (1p3)	1p7 TP5 BP4 4N1* (1p3)

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

NOTES:

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.

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

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

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

NOTES:

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 Bay Double Story (w/o LRS) (Normal Site – Original Far Bank)

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

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

NOTES:

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 Bay Double Story (w/o LRS) (Normal Site – Original Far Bank)

Bridge Length ft 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	8N1	6N1,3N1	6N1,3N2	6N1,3N2	6N1,3N2
V Dist ft m	141 43.0	158.5 48.3	161 49.1	163 49.7	165 50.3
Build	notes a thru c	notes a thru c	notes a thru c	notes a thru c	notes a thru c
Delaunch Add	10p6 FRB RRB	11p6 FRB RRB	12p6 FRB RRB	13p6 FRB RRB	14p6 FRB RRB
Delaunch Recover	(8p4) LRP	(9p0) LRP	(9p7) LRP	(10p3) LRP	(10p7) LRP
Boom Remove (CG)	8p6 E thru BP13 (4p1)	9p2 [6C+ 20D] E thru BP13 (3p6)	7p3 6C+ 20D] E thru BP13 (3p6)	7p7 6C+ 20D] E thru BP13 (3p6)	8p2 6C+ 20D] E thru BP13 (3p6)
Boom Remove (CG)	4p4 TP12 thru BP9 (2p4)	4p0 TP13 thru BP10 (2p2)	4p0 TP13 thru BP10 (2p2)	4p0 TP13 thru BP10 (2p2)	4p0 TP13 thru BP10 (2p2)
Boom Remove (CG)	2p6 TP10 thru BP7 (1p0)	2p4 TP10 thru BP7 (Bp0)	2p4 TP10 thru BP7 (Bp0)	2p4 TP10 thru BP7 (Bp0)	2p6 TP10 thru BP7 (Bp0)

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

NOTES:

a. Remove all curbs, ramps, and deck units and add counterweight if reqiured.
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.

TABLE 2-23 Building and Boom Table-2E +1 through2E + 4 Bay Double Story (Restricted Site)

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

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

NOTES:

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.

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

Bridge Length ft. .	60 18.3		66 20.1	
2E + Bays	5		6	
L/Nose	5N1	6N1	7N1	7N1
V Dist ft m	63 19.2	63 19.2	69 21.0	69 21.0
Build	Notes a,b, c,d	Notes a,b c,d	Notes a,b c,d	Notes a,b c,d
Delaunch Remove	5p4 E	5p4 E	6p4 E	6p4 E
Delaunch Remove	4p4 5	4p4 5	5p4 6	5p4 6
Delaunch Remove		3p4 4		4p4 5
Delaunch Remove		2p4 3		3p4 4
Delaunch Remove				2p4 3
Delaunch Add	2p4 RRB	1p4 RRB	3p4 RRB	1p4 RRB
Delaunch Recover	(Bp0) LRP	(Cp4) LRP	(1p0) LRP	(Cp4) LRP

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

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

NOTES:

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.

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

Bridge ft. Length .	72 21.9		78 23.8		84 25.6	
2E + Bays	7		8		9	
L/Nose	5N1	6N1	6N1	7N1	6N1	7N1
V Dist ft m	75 22.9	75 22.9	81 24.7	81 24.7	87 26.5	87 26.5
Build	Notes a,b c,d	Notes a,b c,d	Notes a,b c,d	Notes a,b c,d	Notes a,b c,d	Notes a,b c,d
Delaunch Remove	7p4 E	7p4 E	8p4 E	8p4 E	9p4 E	9p4 E
Delaunch Remove		6p4 7	7p4 8	7p4 8	8p4 9	8p4 9
Delaunch Remove		5p4 6	6p4 7	6p4 7		7p4 8
Delaunch Remove		4p4 5		5p4 6		6p4 7
Delaunch Remove				4p4 5		5p4 6
Delaunch Add	5p4 RRB	2p4 RRB	4p4 RRB	2p4 RRB	6p4 RRB	3p4 RRB
Delaunch Recover	(2p0) LRP	(Bp2) LRP	(1p2) LRP	(Bp5) LRP	(2p3) LRP	(Bp0) LRP
Boom Remove (CG)	3p7 7 (1p4)	1p7 4 (Bp7)	3p0 6 (Ap2)		4p0 8 (1p6)	2p1 5 (Bp5)

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

NOTES:

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.

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

Bridge ft. Length .	90 27.4		96 29.3		102 31.1	
2E + Bays	10		11		12	
L/Nose	6N1	7N1	7N1	8N1	7N1	8N1
V Dist ft m	93 28.3	93 28.3	99 30.2	99 30.2	105 32.0	105 32.0
Build	Notes a,b c,d	Notes a,b c,d	Notes a,b c,d	Notes a,b c,d	Notes a,b c,d	Notes a,b c,d
Delaunch Remove	10p4 E	10p4 E	11p4 E	11p4 E	12p4 E	12p4 E
Delaunch Remove		9p4 10	10p4 11	10p4 11	11p4 12	11p4 12
Delaunch Remove		8p4 9	9p4 10	9p4 10		10p4 11
Delaunch Remove		7p4 8		8p4 9		9p4 10
Delaunch Remove				7p4 8		8p4 9
Delaunch Remove				6p4 7		
Delaunch Add	8p4 RRB	5p4 RRB	7p4 RRB	4p4 RRB	9p4 RRB	6p4 RRB
Delaunch Recover	(3p3) LRP	(1p4) LRP	(2p5) LRP	(Ap2) LRP	(3p5) LRP	(1p6) LRP
Boom Remove (CG)	5p1 10 (2p7)	3p2 7 (1p0)	4p2 9 (2p1)	2p3 6 (Bp3)	5p3 11 (3p1)	3p4 8 (1p2)

2E + Bays	10		11		12	
L/Nose	6N1	7N1	7N1	8N1	7N1	8N1
Boom Remove (CG)	4p4 9 (2p3)	2p6 6 (Bp0)	3p6 8 (1p4)	1p6 5 (Cp0)	4p7 10 (2p5)	3p0 7 (Ap2)
Boom Remove (CG)	4p0 8 (1p6)	2p1 5 (Bp5)	2p6 7,6 (Bp0)		3p6 9,8 (1p4)	2p3 6 (Bp3)
Boom Remove (CG)	3p0 7,6 (Ap2)				2p6 7,6 (Cp2)	1p6 5 (Cp0)
Boom Remove (CG) Remove	1p2 6N1* 3,2	1p2 4 (Cp2) 7N1* 3,2	1p2 5,4 (Cp2) 7N1* 3,2	1p2 8N1,4 (Cp2) 7N1* 3,2	1p2 5,4 (Cp2) 7N1* 3,2	1p2 8N1,4 (Cp2) 7N1* 3,2
Boom Remove	Bp2 1,E	Bp2 1,E	Bp2 1,E	Bp2 1,E	Bp2 1,E	Bp2 1,E
Complete by:	Note e	Note e	Note e	Note e	Note e	Note e

NOTES:

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.

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

Bridge Length ft. .	36 11.0	42 12.8	48 14.6	54 16.5		60 18.3	
2E + Bays	1	2	3	4		5	
L/Nose	3N1	4N1	4N1	4N1	5N1	5N1	6N1
V Dist ft m	39 11.9	45 13.7	51 15.5	57 17.4	57 17.4	63 19.2	63 19.2
Build	Notes a,b c,d	Notes a,b c,d	Notes a,b c,d	Notes a,b c,d	Notes a,b c,d	Notes a,b c,d	Notes a,b c,d
Delaunch Remove		2p4 BSB ETP F,E	3p4 BSB ETP F,E	4p4 BSB ETP F,E	4p4 BSB ETP F,E	5p4 BSB ETP F,E	5p4 BSB ETP F,E
Delaunch Remove			2p4 D BP3	3p4 D BP4	3p4 D BP4	4p4 D BP5	4p4 D BP5
Delaunch Remove					Ap1 TP4 BP3		1p7 TP5 BP4
Delaunch Remove							Ap1 TP4 BP3
Delaunch Add	RRB	Ap3 RRB	Ap3 RRB	1p6 RRB	RRB	1p4 RRB	RRB
Delaunch Recover	(Ap2) LRP	(Bp4) LRP	(Bp5) LRP	(Bp0) LRP	(Bp7) LRP	(Ap2) LRP	(Cp2) LRP
Boom Remove	Dp1 BSB ETP F,E					2p2 TP5 BP4	

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

NOTES:

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.

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

Br. Ft Len. M	66 20.1		72 24.9		78 23.8		84 25.6	
2E + B	6		7		8		9	
L/Nose	5N1	6N1	5N1	6N1	6N1	7N1	6N1	7N1
V Dist ft m	69 21.0	69 21.0	75 22.9	75 22.9	81 24.7	81 24.7	87 26.5	87 26.5
Build	Note a,b c,d	Note a,b c,d	Note a,b c,d	Note a,b c,d	Note a,b c,d	Note a,b c,d	Note a,b c,d	Note a,b c,d
Delau Re- move	6p4 BSB ETP F,E	6p4 BSB ETP F,E	7p4 BSB ETP F,E	7p4 BSB ETP F,E	8p4 BSB ETP F,E	8p4 BSB ETP F,E	9p4 BSB ETP F,E	9p4 BSB ETP F,E
Delau Re- move	5p4 D BP6	5p4 D BP6	6p4 D BP7	6p4 D BP7	7p4 D BP8	7p4 D BP8	8p4 D BP9	8p4 D BP9
Delau Re- move		2p7 TP6 BP5		3p7 TP7 BP6	4p7 TP8 BP7	4p7 TP8 BP7		5p7 TP9 BP8
Delau Re- move		1p7 TP5 BP4				2p7 TP6 BP5		3p7 TP7 BP6
Delau Add	2p0 RRB	RRB	3p0 RRB	RRB	2p2 RRB	RRB	3p3 RRB	RRB
Delaunch Recover	(1p2) LRP	(Cp2) LRP	(1p6) LRP	(Bp0) LRP	(1p4) LRP	(Bp3) LRP	(2p5) LRP	(Ap2) LRP

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

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

NOTES:

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.

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

Bridge ft. Length .	90 27.4		96 29.3		102 31.1	
2E + Bays	10		11		12	
L/Nose	6N1	7N1	7N1	8N1	7N1	8N1
V Dist ft m	93 28.3	93 28.3	99 30.2	99 30.2	105 32.0	105 32.0
Build	Notes a,b c,d	Notes a,b c,d	Notes a,b c,d	Notes a,b c,d	Notes a,b c,d	Notes a,b c,d
Delaunch Remove	10p4 BSB ETP F,E	10p4 BSB ETP F,E	11p4 BSB ETP F,E	11p4 BSB ETP F,E	12p4 BSB ETP F,E	12p4 BSB ETP F,E
Delaunch Remove	9p4 D BP10	9p4 D BP10	10p4 D BP11	10p4 D BP11	11p4 D BP12	11p4 D BP12
Delaunch Remove		8p4 9	9p4 10	9p4 10		10p4 11
Delaunch Remove		6p7 TP10 BP9	7p7 TP11 BP10	7p7 TP11 BP10		8p7 TP12 BP11
Delaunch Remove		5p7 TP9 BP8		6p7 TP10 BP9		7p7 TP11 BP10
Delaunch Remove				5p7 TP9 BP8		6p7 TP10 BP9
Delaunch Remove				4p7 TP8 BP7		
Delaunch Add	4p3 RRB	RRB	3p5 RRB	RRB	4p5 RRB	RRB

2E + Bays	10		11		12	
L/Nose	6N1	7N1	7N1	8N1	7N1	8N1
Delaunch Recover	(3p1) LRP	(1p6) LRP	(2p7) LRP	(1p0) LRP	(3p7) LRP	(2p0) LRP
Boom Remove (CG)		3p2 TP8 BP7 (1p2)	4p2 TP10 BP9 (2p3)	2p3 TP7 BP6 (Bp1)	5p3 TP12 BP11 (3p3)	3p4 TP9 BP8 (1p4)
Boom Remove (CG)	4p4 TP10 BP9 (2p5)	2p6 TP7 BP6 (Ap2)	3p6 TP9 BP8 (1p6)		4p7 TP11 BP9 (2p7)	3p0 TP8 BP7 (1p0)
Boom Remove (CG)	4p0 TP9 BP8 (2p0)	2p1 TP6 BP5 (Bp3)	2p6 TP8 BP7 (1p2)		3p6 TP10 BP9 (2p3)	2p3 TP7 BP6 (Bp1)
Boom Remove (CG)	3p0 TP8 BP7 TP7 BP6 (1p0)				2p6 TP8 BP7 (1p2)	
Boom Remove (CG)	1p7 TP6 BP5 TP5 BP4 6N1* (1p3)	1p7 TP5 BP4 7N1* (1p3)	1p7 TP7 BP6 TP6 BP5 TP5 BP4 7N1* (1p3)	1p7 TP6 BP5 8N1 TP5 BP4 7N1* (1p3)	1p7 TP7 BP6 TP6 BP5 TP5 BP4 7N1* (1p3)	1p7 TP6 BP5 8N1 TP5 BP4 7N1* (1p3)

2E + Bays	10		11		12	
L/Nose	6N1	7N1	7N1	8N1	7N1	8N1
Boom Remove	2p0 Pin at A	2p0 Pin at A	2p0 Pin at A	2p0 Pin at A	2p0 Pin at A	2p0 Pin at A
Boom Remove	1p4 TP4 3,BP2	1p4 TP4 3,BP2	1p4 TP4 3,BP2	1p4 TP4 3,BP2	1p4 TP4 3,BP2	1p4 TP4 3,BP2
Boom Remove	Bp0 TP2,1	Bp0 TP2,1	Bp0 TP2,1	Bp0 TP2,1	Bp0 TP2,1	Bp0 TP2,1
Boom Remove	Bp2 E	Bp2 E	Bp2 E	Bp2 E	Bp2 E	Bp2 E
Complete by:	Note e	Note e	Note e	Note e	Note e	Note e

NOTES:

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.

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

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

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

NOTES:

a. Add LNCG posts, LNCG and nose roller.

b. Stop boom/launch to add long or short links, light tackle and anti-flutter 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 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 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.

TABLE 2-31 Building and Boom Table-2E +18 through 2E 22 Bay Link Reinforced (Normal Site)

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

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

NOTES:

a. Add LNCG posts, LNCG and nose roller.
b. Stop boom/launch to add long or short links, light tackle and anti-flutter 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.

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

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

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

NOTES:

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, anti-flutter 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.

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

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
Counter- 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 f	Notes a thru f	Notes a thru f	Notes a thru f	Notes a thru f
Delaunch Remove	Dp2 AA(L)	Dp2 AA(L)	Dp2 AA(L)	Dp2 AA(L)	Dp2 AA(L)
Delaunch Remove Add	18p2 AA(S) FRB	19p2 AA(S) FRB	20p2 AA(S) FRB	21p2 AA(S) FRB	22p2 AA(S) FRB
Delaunch Remove Add	15p5 PT RRB	15p5 PT RRB	15p5 PT RRB	15p5 PT RRB	15p5 PT RRB
Delaunch Remove				15p0) [27D +6C]	(15p0) [37D +6C]
Delaunch Recover	(8p0) LRP	(8p5) LRP	(9p6) LRP	(9p4) LRP	(10p0) LRP
Boom Remove (CG)				15p0 E,[3D] (8p0)	15p4 E,[3D] (8p4)

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

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

NOTES:

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, anti-flutter 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.

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

Bridge Length ft	108	114	120	126	132
Bridge 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
V Dist m	36.16	38.06	39.36	41.66	43.46
Build	Notes a thru g	Notes a thru g	Notes a thru g	Notes a thru g	Notes a thru g
Delaunch Add	Dp2 Note h AA(L)	Dp2 Note h AA(L)	Dp2 Note h AA(L)	Dp2 Note h AA(L)	Dp2 Note h AA(L)
Delaunch Remove	13p2 AA(S)	14p2 AA(S)	15p2 AA(S)	16p2 AA(S)	17p2 AA(S)
Delaunch Add	12p2 FRB	13p2 FRB	14p2 FRB	15p2 FRB	16p2 FRB
Delaunch Remove	10p6 PT	11p6 PT	12p6 PT	13p6 PT	14p6 PT
Add	RRB	RRB	RRB	RRB	RRB
Delaunch Remove	6p2 PT				
Delaunch Recover	(6p0) LRP	(6p4) LRP	(7p0) LRP	(7p2) LRP	(7p6) LRP
Boom Remove		PT	13p7 PT	13p7 PT	13p7 PT
Boom Remove	11p0 AA(S)	11p0 AA(S)	11p0 AA(S)	11p0 AA(S)	11p0 AA(S)

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

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	Bp0 TP2,1	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	Note i

NOTES:

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, anti-flutter 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.

TABLE 2-35 Delaunch Table-2E + 18 through 2E + 22 Bay Link Reinforced (Normal Site. - Original Far 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 g	Notes a thru g	Notes a thru g	Notes a thru g	Notes a thru g
Delaunch Remove	Dp2 Note h AA(L)	Dp2 Note h AA(L)	Dp2 Note h AA(L)	Dp2 Note h AA(L)	Dp2 Note h AA(L)
Delaunch Remove Add	18p2 AA(S) FRB	19p2 AA(S) FRB	20p2 AA(S) FRB	21p2 AA(S) FRB	22p2 AA(S) FRB
Delaunch Remove Add	15p5 PT RRB	16p5 PT RRB	17p5 PT RRB	18p5 PT RRB	19p5 PT 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)

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)	10p0 AA(L) TP18 17 thr 14 BP13 (3p6)	10p0 AA(L) TP18 17 thr 14 BP13 (3p6)	10p0 AA(L) Tp18 17 thr 14 BP13 (3p6)	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 Pin at A	2p0 Pin at A	2p0 Pin at A
Boom Remove	1p4 TP4,3 BP2	1p4 TP4,3 BP2	1p4 TP4,3 BP2	1p4 TP4,3 BP2	1p4 TP4,3 BP2
Boom Remove	Bp0 TP2,1	Bp0 TP2,1	Bp0 TP2,1	Bp0 TP2,1	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	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.

h. Stop boom/delaunch to remove long or short links, light tackle, anti-flutter 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.

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

	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
Normal Site						
Nose Conf.	2N1	3N1			4N1	
V Distance	11.6	13.7	15.5	17.0	19.2	21.0
Restricted Site						
Nose Conf.	3N1	4N1		4N1 5N1	5N1 or 6N1	
V Distance	11.9	13.7	15.5	17.4	19.2	21.0

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

	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	
V Distance	22.6	24.7	26.5	28.0	30.2	32.0
Restricted 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

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

	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 Site					
Nose Conf.	6N1	7N1			8N1
V Distance	33.5	35.7	37.5	39.0	41.1
Restricted Site					
Nose Conf.	8N1				
V Distance	33.4	35.2	37.0	38.9	40.7

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

	Length of Bridge 2E + Number of Bays Without LRS.				
	18	19	20	21	22
Brg Lgth (m)	42.1	43.9	45.7	47.6	49.4
Normal Site					
Nose Conf.	8N1		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	49.8

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

	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	40.5
Normal Site					
Nose Conf.	7N1			8N1	
V Distance	36.16	38.06	39.36	41.66	43.46

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

	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	49.7
Normal Site					
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

1 centigram = 10 milligrams = .15 grain
1 decigram = 10 centigrams = 1.54 grains
1 gram = 10 decigrams = .035 ounce
1 dekagram = 10 grams = .35 ounce
1 hectogram = 10 dekagrams = 3.52 ounces
1 kilogram = 10 hectograms = 2.2 pounds
1 quintal = 100 kilograms = 220.46 pounds
1 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
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