2) AD-1-2

Drawing

SHEET NO. LIST OF DRAWINGS

- 1. 2. Plan and Profile
- 3. Plan of Intersection
- 4. (A) Reinforced Concrete Slab Bridge
- 5. (B) Bridge for Khlong Phunphin
- 6. (C) Bridge for Ma Nam Ta Pi

ABBREVIATION AND SYMBOLS FOR PROFILE AND PLAN

: Alignment of Proposed Route

; ;

: Proposed Bridge

: Proposed Box Culvert

: High Water Level

WL.

: Water Level

No.

: Number

R

: Radius of Curvature

Т.

: Length of Curve

BR.RC.SP.SL L

: Reinforced Concrete Bridge

(Bridge Length)

BR.PC.GRDR L

: Prestressed Concrete Bridge

(Bridge Length)

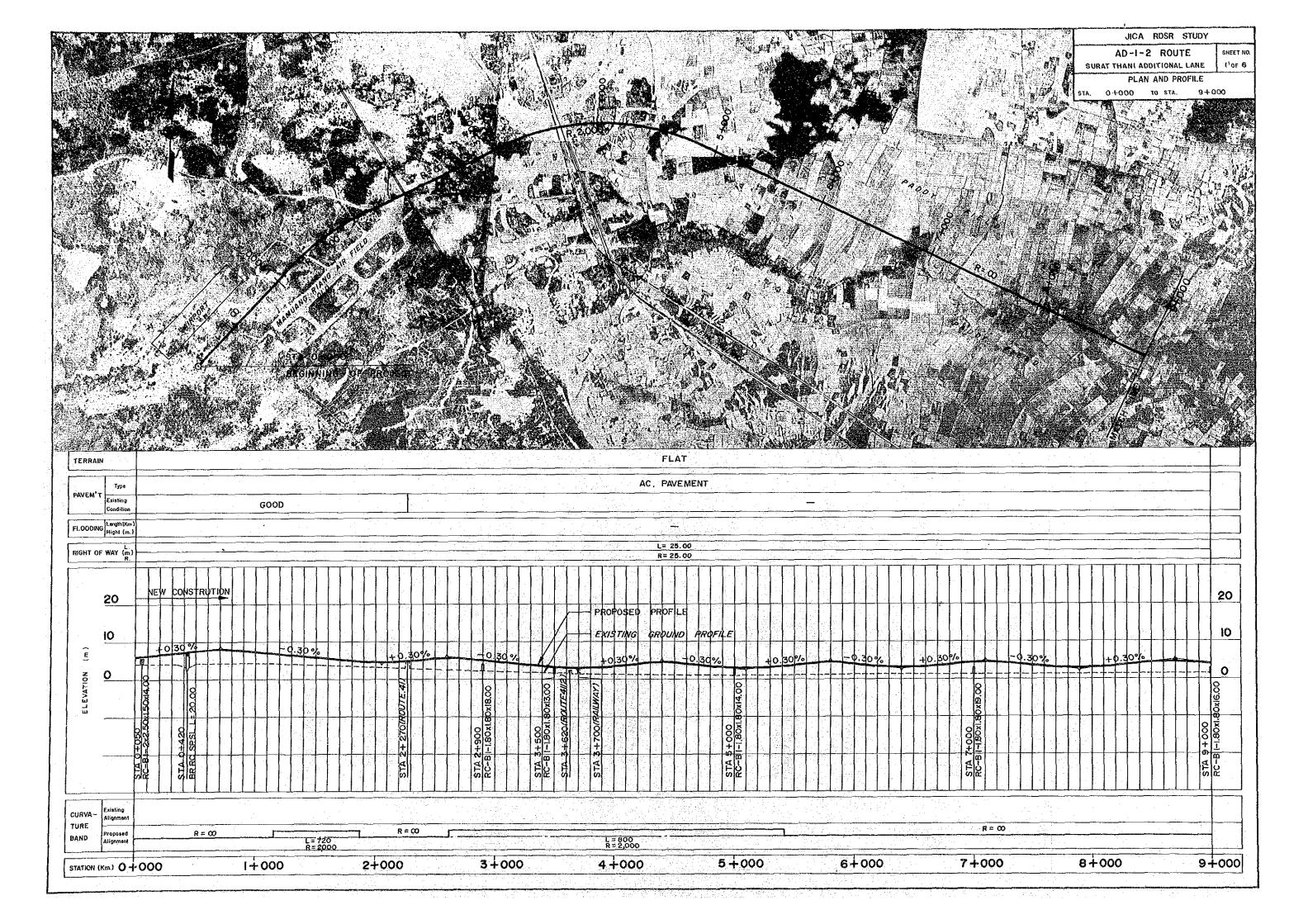
BR.ST.SP.TR L

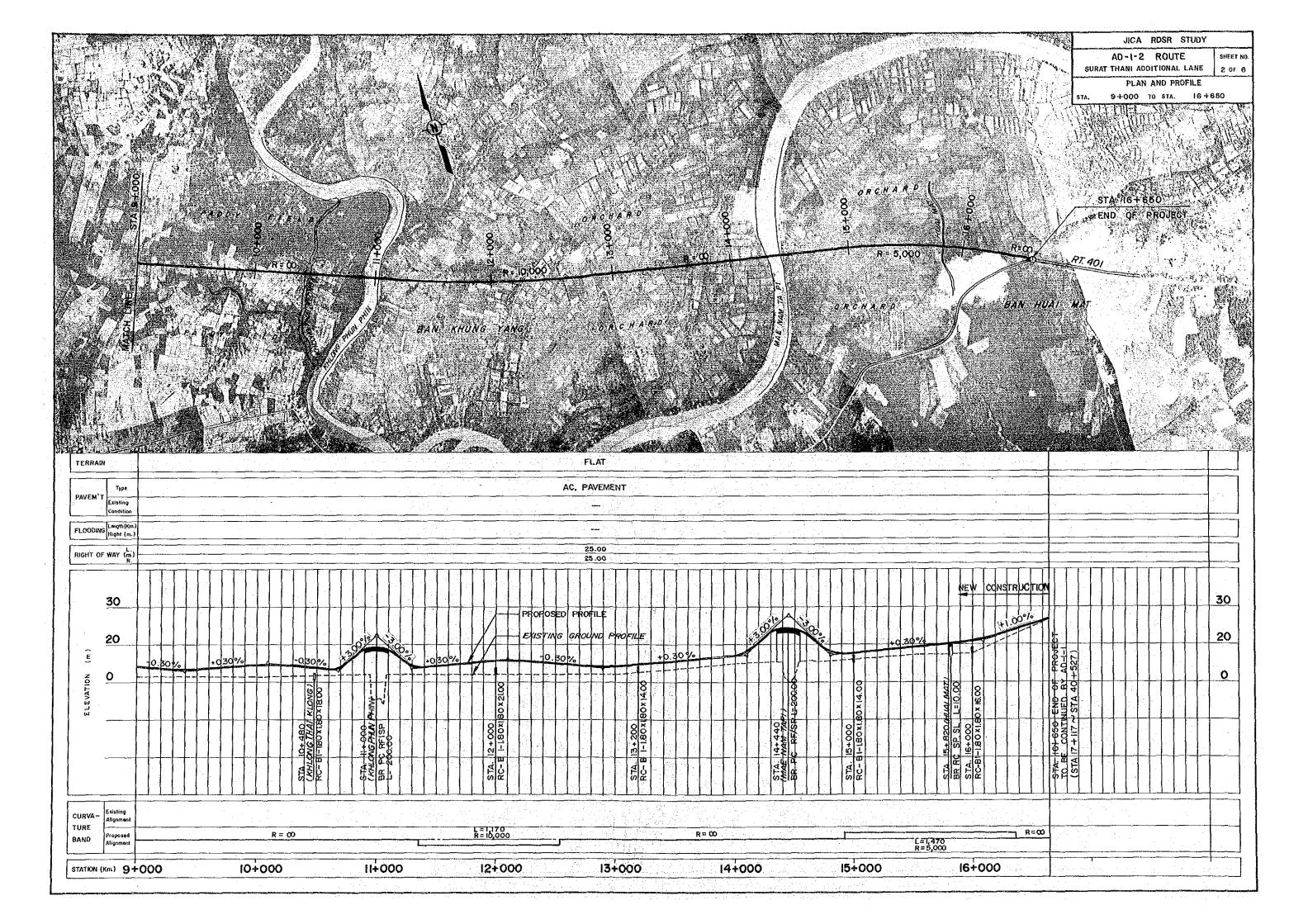
: Steel Bridge (Bridge Length)

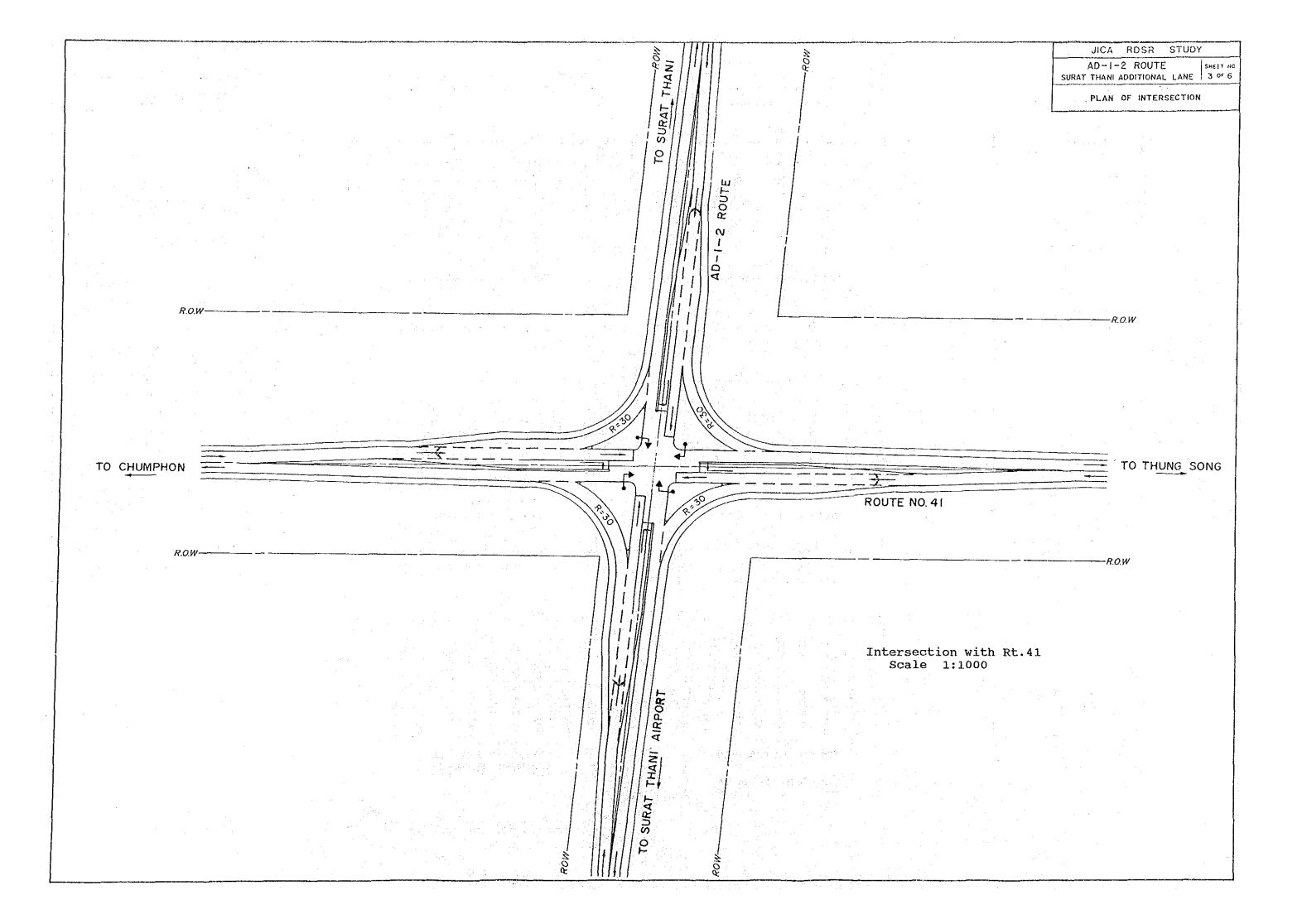
RC-B m - n x a x b x i

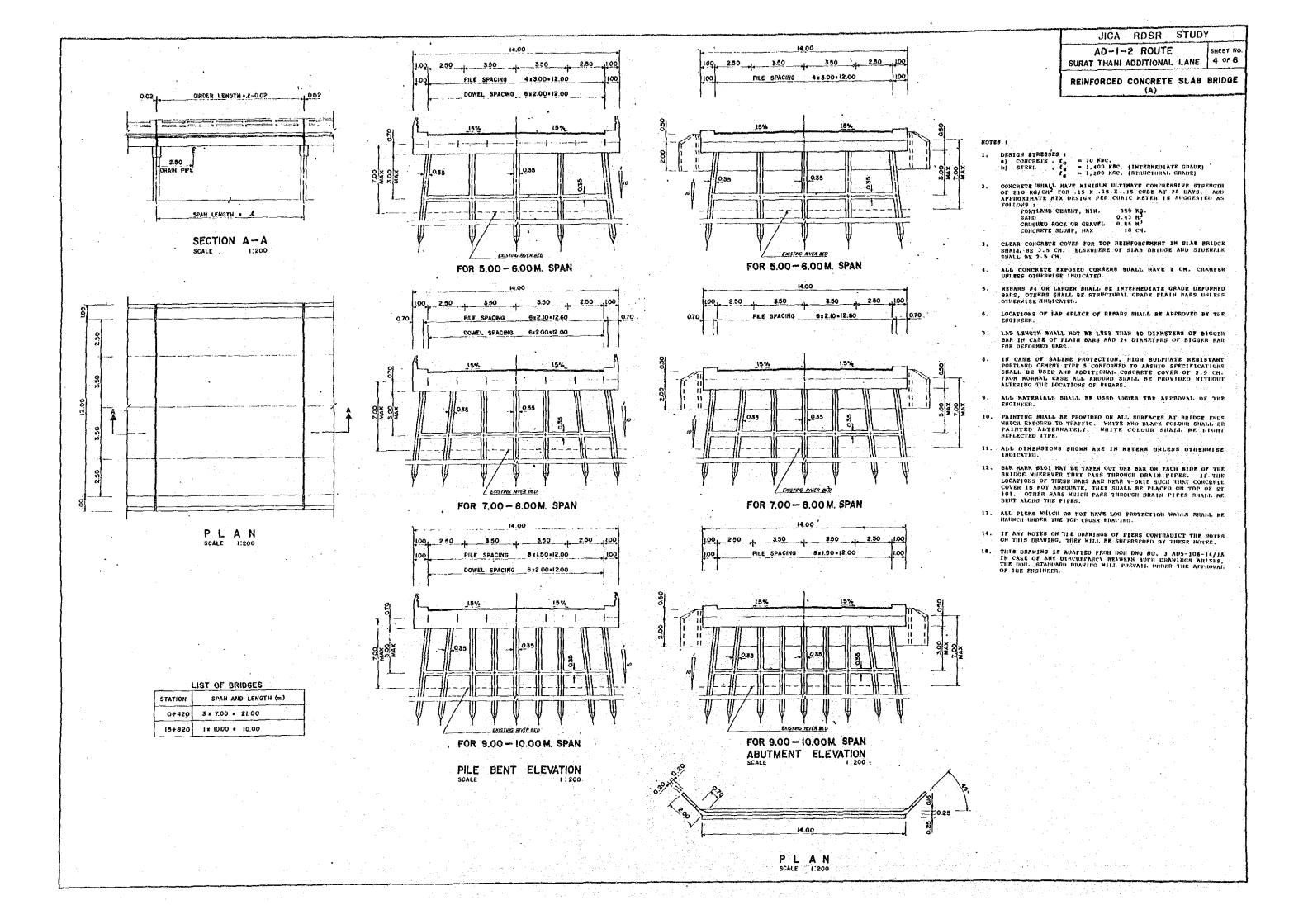
: Box Culvert

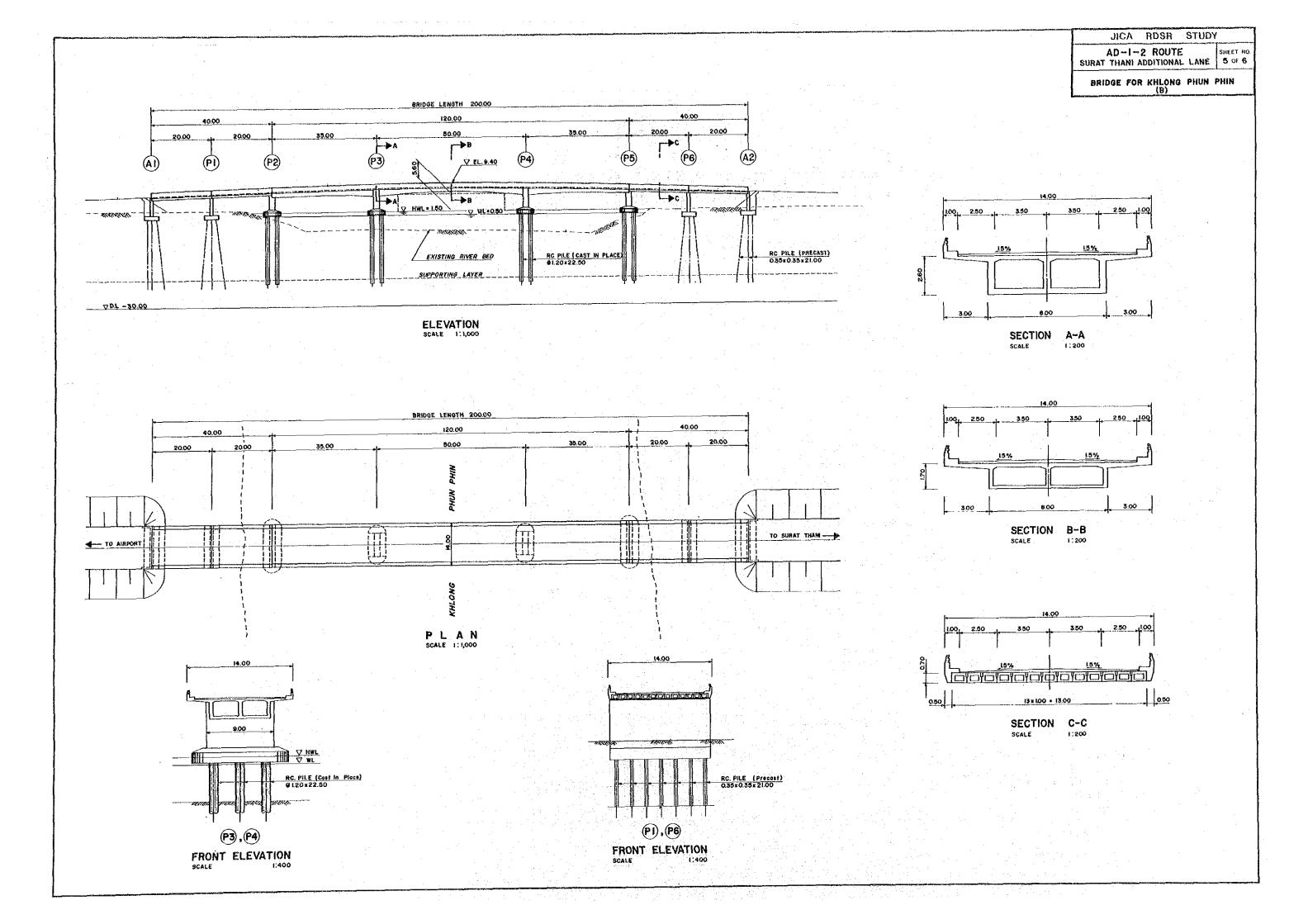
(No. of Locations - No. of Cells x Clear Span x Depth x Length)

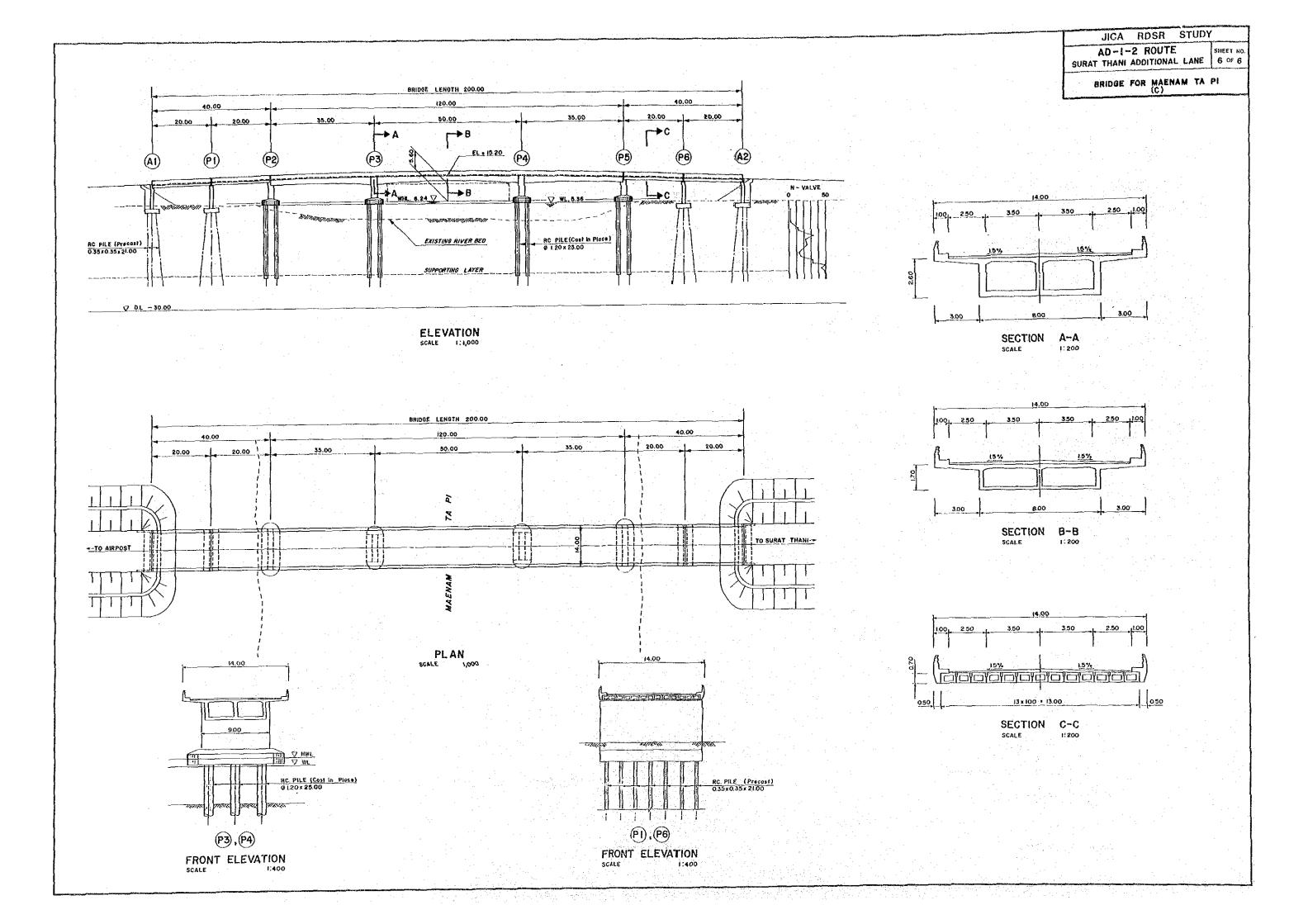












LIST OF BOX AND PIPE CULVERT

	CULVERT	CULVERT SIZE (m)		NO. of	CULVERT LENGTH (m)		
STATION		PIPE	вох			EXTENDED	NEW
	TYPE	NO. of ROW x DIAMETER	NO. of CELLS (CLEAR SPAN x DEPTH)	LOCATIONS	EXISTING	CONST- RUCTION	CONST- RUCTION
0+000-2+250	Pipe	1x⊙0.60		11			19.0
0+050	Вох		2(2.50x1.50)	1			14.0
2+250-3+600	Pipe	1x⊙1.00		2			20.0
	Pipe	1x⊙0.60		3			20.0
2+900	Вох		1(1.80x1.80)	1			18.0
3+500	Box		1(1.80x1.80)	1			13.0
3+600-9+850	Pipe	1xQ1.00		10			24.0
	Pipe	1x⊙0.80		9			24.0
	Pipe	1x⊙0.60		8			24.0
·	Pipe	1x⊙1.20		2		* .	24.0
5+000	Вох		1(1.80x1.80)	1			14.0
7+000	Box		1(1.80x1.80)	1			19.0
9+000	Box		1(1.80x1.80)	1	1. A. A. A. A.		10.0
9+850-10+950	Pipe	1x⊙1.00		1			18.0
	Pipe	1x⊙0.60		4			18.0
10+480	Box		1(1.80x1.80)	1			18.0
11+050-14+400	Pipe	1xO1.20		2			20.0
	Pipe	1x⊙1.00		8			20.0
1	Pipe	1x⊙0.60		5			20.0
12+000	Вох		1(1.80x1.80)	1			21.0
13+200	Вох		1(1.80x1.80)	1			14.0
14+500-16+700	Pipe	1x⊙1.00		4	1		20.0
	Pipe	1x⊙0.80		5			20.0
15+000	Box		1(1.80x1.80)	1 /			14.0
16+000	Вох		1(1.80x1.80)	1			16.0
17+192	Pipe	1x⊙0.60		2	20.0	1.0	19.0
17+192	Pipe	1x⊙0.60		2	22.0	1.0	21.0
17+295	Pipe	2x⊙1.00		2	25.0	1.0	25.0
17+573	Pipe	1x⊙1.00		2	24.0	1.0	23.0
17+817	Pipe	1x⊙0.80		2	19.0	1.0	18.0
18+255	Pipe	1x⊙0.60		2	18.0	1.0	17.0
18+469	Pipe	1x⊙0.80		2	19.0	1.0	18.0
18+768	Pipe	1x⊙0.60	t e	2	17.0	1.0	16.0
18+967	Pipe	1x⊙0.60		2	19.0	1.0	18.0

		CULVERT SIZE (m)			CULVERT LENGTH		
	CULVERT		no.	NO. of	(m)		
STATION	TYPE	PIPE	вох	LOCATIONS	1.	EXTENDED	NEW
	TILE	NO. of ROW x	NO. of CELLS	100911000	EXISTING	CONST-	CONST-
	1.5	DIAMETER	(CLEAR SPAN	. "	IMIDITIO	RUCTION	RUCTION
		DATEMENT	x DEPTH)	Ü			
			N DIA IN				
19+095	Pipe	1x⊙0.80	a P	2	19.0	1.0	18.0
19+387	Pipe	1x⊙0.80		. 2	19.0	1.0	18.0
19+752	Pipe	1x⊙1.00		2	23.0	1.0	22.0
19+896	Pipe	2x⊙1.00	·	2	23.0	1.0	22.0
20+293	Pipe	1x⊙0.60		2	19.0	1.0	18.0
21+732	Pipe	1x⊙1.00		2	21.0	1.0	20.0
22+214	Pipe	1x⊙1.00		2	22.0	1.0	21.0
22+448	Pipe	1xO1.00		2	21.0	1.0	20.0
22+968	Pipe	1x⊙1.00		2	21.0	1.0	20.0
25+125	Pipe	1xO1.00		2	17.0	1.0	16.0
25+417	Pipe	1xO1.00		2	20.0	1.0	19.0
25+722	Pipe	1xO1.00		2	20.0	1.0	19.0
27+430	Pipe	2x⊙1.00		2 .	14.0	1.0	13.0
27+651	Pipe	2x⊙0.60	·	2	16.0	1.0	15.0
28+092	Pipe	1x⊙0.60		2	16.0	1.0	15.0
30+042	Pipe	1x⊙0.80		. 2	18.0	1.0	17.0
31+161	Вох		1(1.80x1.00)	2	11.0	1.0	17.0
33+462	Box		2(2.10x2.10)	2	17.0	1.0	17.0
36+342	Pipe	3x⊙1.00		2	21.0	1.0	20.0
38+142	Pipe	2xO1.00		2	17.0	1.0	16.0
38+442	Pipe	1x⊙0.60		2	20.0	1.0	19.0
38+858	Вох		2(2.40x2.70)	2	11.0	1.0	17.0
Partie (1964)					}		
					1 .		

LIST OF BRIDGES (AD-1-2:S1/SD)

Station	Materials	Structural System	Width (a+b+c+d+e:m)	Span and Length (m)	Remarks	(Fig.
	Link:S1>> RC	sp.sL	0.3+0.7+12.0+0.7+0.3=14.0	3*7.0=21.0	New construction	(A
11+000 Phun Phin	PC	RF.BX/SP.SL	0.3+0.7+12.0+0.7+0.3=14.0	2*20.0+35.0+50.0 +35.0+2*20.0=200.0	New construction	(B)
14+440 Ta Pi	PC	RF.BX/SP.SL	0.3+0.7+12.0+0.7+0.3=14.0	2*20.0+35.0+50.0 +35.0+2*20.0=200.0	New construction	(C)
15+820	RC	SP.SL	0.3+0.7+12.0+0.7+0.3=14.0	1*10.0=10.0	New construction	(A)
<pre><<surat 20+712="" makham="" pre="" t="" ti<=""></surat></pre>	hani Bypass PC/RC a	:SD>> SP.T/SP.SL	0.3+1.2+9.0+1.2+0.3=12.0	2*10.0+6*20.0 +2*10.0=160.0	Used as existed	
	PC/RC	SP.T/SP.SL	0.3+1.2+11.0+0.0+0.5=13.0	2*10.0+6*20.0 +2*10.0=160.0	New construction	
29+650 Tha Thong	PC/RC	SP.T/SP.SL	0.3+1.2+9.0+1.2+0.3=12.0	4*10.0+3*30.0 +4*10.0=170.0	Used as existed	
	PC/RC	SP.T/SP.SL	0.3+1.2+11.0+0.0+0.5=13.0	4*10.0+3*30.0 +4*10.0=170.0	New construction	
33+666	RC	SP.SL	0.3+1.2+8.0+1.2+0.3=11.0	3*8.0=24. 0	Used as existed	
	RC	SP.SL	0.3+1.2+11.0+0.0+0.5=13.0	3*8.0=24.0	New construction	·
======================================	RC	SP.SL	0.3+1.2+8.0+1.2+0.3=11.0	8.0+2*10.0+8.0=36.0	Used as existed	
	RC	SP.SL	0.3+1.2+11.0+0.0+0.5=13.0	8.0+2*10.0+8.0=36.0	New construction	

RC: Reinforced Concrete Bridge PC: Prestressed Concrete Bridge

(2) Structural System

SP.SL: Simply Supported Slab

SP.T : Simply Supported T-shape Girder

RF.BX: Continuously Supported Box Girder

(3) Drawings of bridges on Surat Thani bypass are common to that of AD-1-1 Project.

