

JAPAN INTERNATIONAL COOPERATION AGENCY

MINISTRY OF LOCAL GOVERNMENT RURAL DEVELOPMENT
AND CO-OPERATIVE (LOCAL GOVERNMENT DIVISION)
THE PEOPLE'S REPUBLIC OF BANGLADESH

BASIC DESIGN STUDY REPORT
ON
THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES
FOR RURAL ROADS
IN
THE PEOPLE'S REPUBLIC OF BANGLADESH

(DRAWINGS)

NOVEMBER 1993



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KATAHIRA & ENGINEERS INTERNATIONAL



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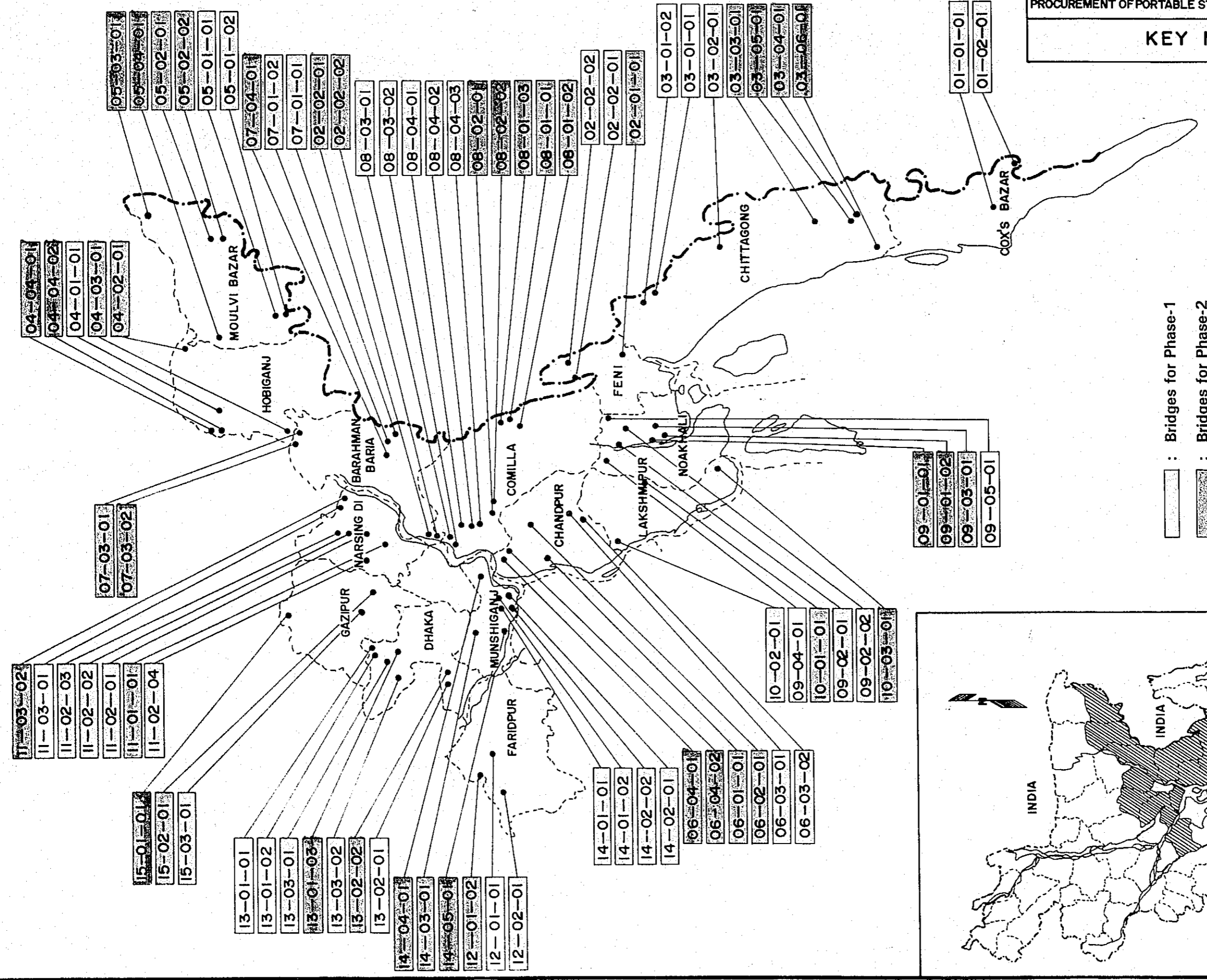
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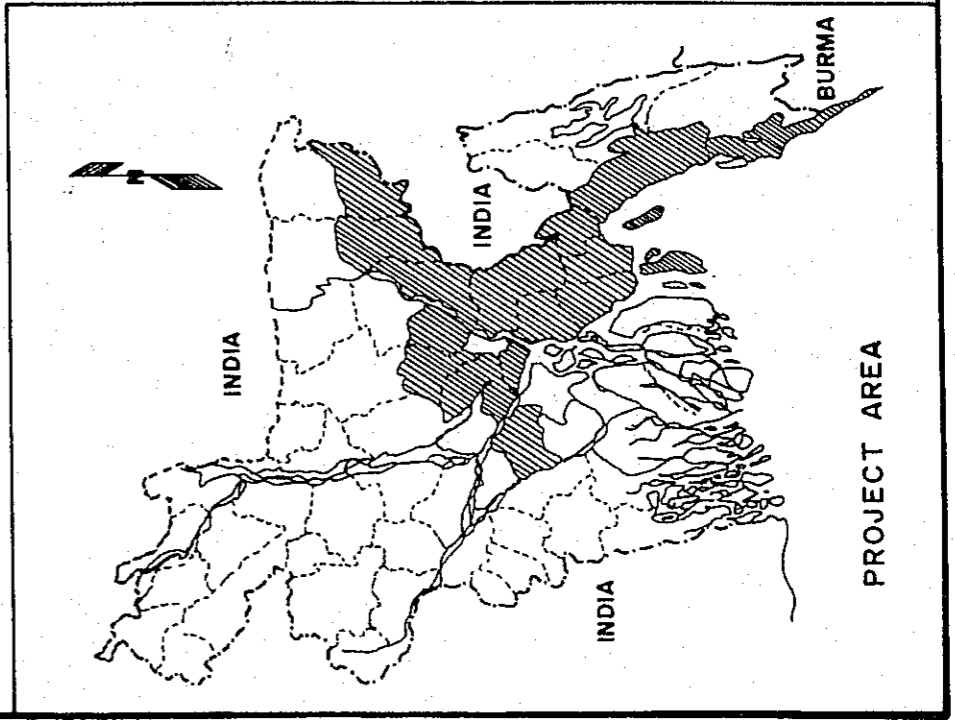
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KEY MAP



- : Bridges for Phase-1
- : Bridges for Phase-2
- : Bridges for Phase-3
- : Bridges excluded from the project



PROJECT AREA

LIST OF BRIDGES AND LOCATIONS (1/2)

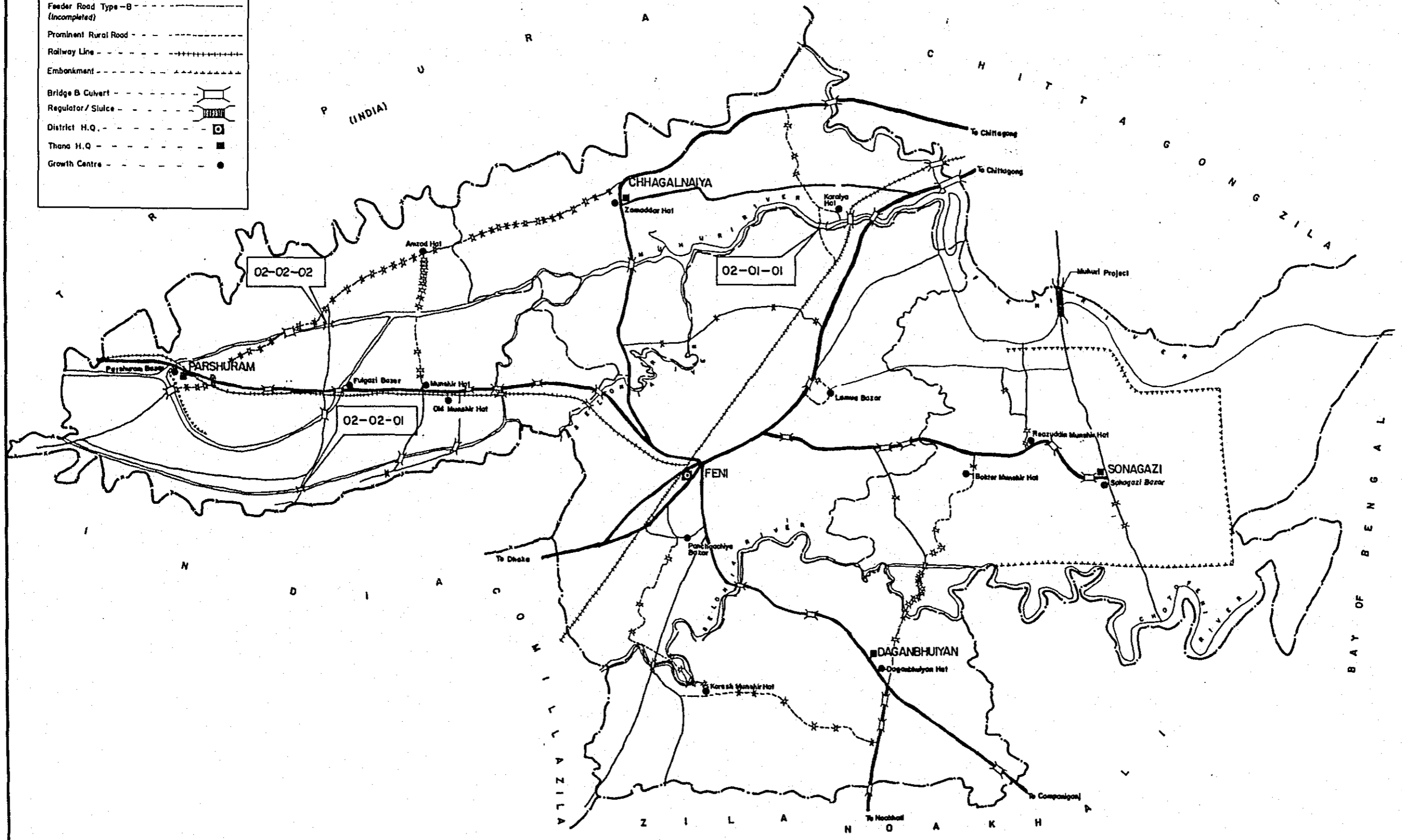
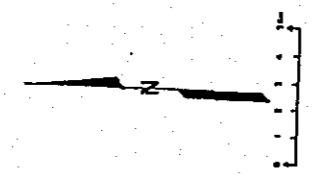
NO.	BRIDGE NO.	DISTRICT	THANA	ROAD NAME	CHAINAGE	NO.	BRIDGE NO.	DISTRICT	THANA	ROAD NAME	CHAINAGE
1.	01-01-01	COX'S BAZAR	SADAR	EIDGAON TO POKHALI ROAD	5635.00	24.	06-01-01	CHANDPUR	SADAR	IBRAHIM BAZAR-THANA ROAD	7264.00
2.	01-02-01	COX'S BAZAR	RAMU	NIKKONCHARI-GARJANIA	62.00	25.	06-02-01	CHANDPUR	KACHUA	PALGHIRI-DARBESHGONJ ROAD (NEAR CHANDPUR BAZAR)	3500.00
3.	02-01-01	FENI	SADAR	SELONIA R.B.HAT ROAD OVER KALIDASH PAHALIA RIVER	1500.00	26.	06-03-01	CHANDPUR	FARIDGONJ	MUNSHIRHAT-UBHARAMPUR ROAD (NEAR MUNSHIRHAT CANAL)	500.00
4.	02-02-01	FENI	PARSHURAM	FULGAZI-MONTALA ROAD OVER SILONIA RIVER	1200.00	27.	06-03-02	CHANDPUR	FARIDGONJ	GUPTI-BAICHATALI ROAD OVER B.W.D.B. CANAL	4500.00
5.	02-02-02	FENI	PARSHURAM	GOTUMA BRIDGE	3000.00	28.	06-04-01	CHANDPUR	MATLAB	KALIR BAZAR-CHENGARCHAR ROAD	5699.00
6.	03-01-01	CHITTAGONG	FATIKCHARI	FATIKCHARI-HEAKO HAT ROAD	15980.00	29.	06-04-02	CHANDPUR	MATLAB	KALIR BAZAR-CHENGARCHAR ROAD	6888.00
7.	03-01-02	CHITTAGONG	FATIKCHARI	FATIKCHARI-HEAKO HAT ROAD	19022.00	30.	07-01-01	B'BARIA	AKHAURA	AKHAURA-BARABAZAR DHARKAR GCCR ROAD	2414.00
8.	03-02-01	CHITTAGONG	RAOZAN	DOST MOHAMMAD ROAD(RAUZAN -WEST GOHIRA SHARTAR KHAL)	4780.00	31.	07-01-02	B'BARIA	AKHAURA	AKHAURA-BARABAZAR DHARKAR GCCR ROAD	5507.00
9.	03-03-01	CHITTAGONG	CHANDANAISH	DOHAZARI-LALUTIA ROAD	3500.00	32.	07-02-01	B'BARIA	B'RAMPUR	BANCHARAMPUR-UJANCHAR GCCR ROAD	6473.00
10.	03-04-01	CHITTAGONG	LOHAGARA	SHAH-PIR ROAD	2100.00	33.	07-02-02	B'BARIA	B'RAMPUR	BANCHARAMPUR-UJANCHAR GCCR ROAD	6898.00
11.	03-05-01	CHITTAGONG	SATKANIA	RAMPUR-D.C.ROAD (SATKANIA PORTION)	2300.00	34.	07-03-01	B'BARIA	N'NAGAR	NASIRNAGAR-MADHABPUR ROAD AT KHASTI	00.00
12.	03-06-01	CHITTAGONG	BHANSKHALI	JOLDI-D.C.ROAD, JOLKADAR KHAL)	3000.00	35.	07-03-02	B'BARIA	N'NAGAR	BRIDGE AT HAREENBEER (NORHA)	2500.00
13.	04-01-01	HABIGONJ	BANIYACHONG	BANIACHONG-SUJATPUR BAZAR ROAD	5275.00	36.	07-04-01	B'BARIA	SADAR	HALIDAY ROAD	3500.00
14.	04-02-01	HABIGONJ	NABIGONJ	NABIGONJ-INNATGONJ ROAD	7377.00	37.	08-01-01	COMILLA	SADAR	COMILLA-BIBIRBAZAR ROAD OVER SONAICHARI KHAL NEAR KOTAKBAZAR	5500.00
15.	04-03-01	HABIGONJ	LAKHAI	THANA H.Q.-LAKHAI BAZAR	5400.00	38.	08-01-02	COMILLA	SADAR	NALKORI-MATIARA ROAD OVER SONAICHARI KHAL AT MATIARA	300.00
16.	04-04-01	HABIGONJ	AZMIRIGONJ	AZMIRIGONJ-KAKAILSEE ROAD	3750.00	39.	08-01-03	COMILLA	SADAR	BHUBANGHAR-SHIBER BAZAR ROAD OVER GUNGUR KHAL	5400.00
17.	04-04-02	HABIGONJ	AZMIRIGONJ	AZMIRIGONJ-KAKAILSEE ROAD	4174.00	40.	08-02-01	COMILLA	CHANDINA	ELLIOTGONJ-KRISHNAPUR ROAD	988.00
18.	05-01-01	MOULVIBAZAR	SREEMANGAL	SHINDUR KHAN-DUBAR HAT BAZR	1800.00	41.	08-02-02	COMILLA	CHANDINA	GUMTA-NORTH KRISHNAPUR ROAD	10.00
19.	05-01-02	MOULVIBAZAR	SREEMANGAL	SHINDUR KHAN-DUBAR HAT BAZR	4950.00	42.	08-03-01	COMILLA	HOMNA	HOMNA-TAKER BAZAR ROAD	1880.00
20.	05-02-01	MOULVIBAZAR	KULAURA	KULAURA-RABIBAZAR ROAD	1669.00	43.	08-03-02	COMILLA	HOMNA	HOMNA-TAKER BAZAR ROAD	2135.00
21.	05-02-02	MOULVIBAZAR	KULAURA	KULAURA-RABIBAZAR ROAD	2834.00						
22.	05-03-01	MOULVIBAZAR	BARLEKHA	DASHER BAZAR-FAKIRER BAZAR	2400.00						
23.	05-04-01	MOULVIBAZAR	SADAR	SHAHBANDAR-DIGHIRPAR- KAGABHOLA ROAD	10255.00						

LIST OF BRIDGES AND LOCATIONS (2/2)

NO.	BRIDGE NO.	DISTRICT	THANA	ROAD NAME	CHAINAGE	NO.	BRIDGE NO.	DISTRICT	THANA	ROAD NAME	CHAINAGE
44.	08-04-01	COMILLA	DAUDKANDI	BATAKANDI-RAIPUR ROAD	4188.00	61.	11-02-04	NARSHINGDI	SHIBPUR	CHARSINDUR-BIRAJNAGAR ROAD	10420.00
45.	08-04-02	COMILLA	DAUDKANDI	BATAKANDI-RAIPUR ROAD	4910.00	62.	11-03-01	NARSHINGDI	BELABO	BRIDGE OVER ARIALKHA RIVER NEAR BELABO BAZAR	250.00
46.	08-04-03	COMILLA	DAUDKANDI	BATAKANDI-RAIPUR ROAD	8953.00	63.	11-03-02	NARSHINGDI	BELABO	NILOKKHAI BRIDGE	1500.00
47.	09-01-01	NOAKHALI	SADAR	SONAPUR-AKHTERMARHAT ROAD OVER PETKATA KHAL	11350.00	64.	12-01-01	FARIDPUR	SADAR	CHARKAMLAPUR-WEST Khabaspur	2500.00
48.	09-01-02	NOAKHALI	BEGAMGONJ	SONAPUR-AKHTERMARHAT ROAD OVER JALIARDONA	18440.00	65.	12-01-02	FARIDPUR	SADAR	KHALILPUR-SIBRAMPUR ROAD ADJACENT TO KHALILPUR GROWTH CENTRE	4500.00
49.	09-02-01	NOAKHALI	BEGAMGONJ	BAZRA-BATTOLI ROAD OVER CHOWMUHANI-SONAIMURI KHAL NEAR BAZRA BAZAR	00.00	66.	12-02-01	FARIDPUR	BOALMARI	CHANDPUR-CHITAR BAZAR ROAD	5000.00
50.	09-02-02	NOAKHALI	BEGAMGONJ	SARURPOOL-DURGAPUR HIGH SCHOOL ROAD OVER FENI- CHOWMUHANI KHAL	00.00	67.	13-01-01	DHAKA	SAVAR	JIRANI-SHIMULIA	4840.00
51.	09-03-01	NOAKHALI	COMPANIGONJ	CHARGANGCHIL-CHARLAXMI ROAD OVER GANGCHIL KHAL	350.00	68.	13-01-02	DHAKA	SAVAR	JIRANI-SHIMULIA	5210.00
52.	09-04-01	NOAKHALI	CHATKHIL	CHATKHIL-SONACHAKA ROAD NEAR R & H ROAD	00.00	69.	13-01-03	DHAKA	SAVAR	DHATPUR-ROSTAMPUR	0.80
53.	09-05-01	NOAKHALI	SENBAG	SENBAG-CROSH MUNSHI ROAD NEAR SENBAG BAZAR	00.00	70.	13-02-01	DHAKA	NAWABGONJ	NAWABGONJ-SULLAPARA GRAM	268.00
54.	10-01-01	LAXMIPUR	SADAR	HAZIRPARA-BASUDHUHITHA- BASHURHAT ROAD (OVER RAHAMAT KHALI KHAL)	330.00	71.	13-02-02	DHAKA	NAWABGONJ	NAWABGONJ-SULLAPARA GRAM	15050.00
55.	10-02-01	LAXMIPUR	RAIPUR	CHALTATOLI-KASERHAT ROAD (OVER DAKATIA RIVER NEAR BONGSHI FERRY GHAT)	5500.00	72.	13-03-01	DHAKA	DHAMRAI	DHAMRAI-DHANTARA HAT	00.00
56.	10-03-01	LAXMIPUR	RAMGATI	MATHABBAR HAT (BHOLA LAUNCHGHAT)-MONOHARPUR- ODARHAT ROAD (OVER BOLUA KHAL)	3000.00	73.	13-03-02	DHAKA	DHAMRAI	RHD-CHARDAUBA ROAD	10.00
57.	11-01-01	NARSHINGDI	SADAR	BRIDGE OVER PURANPARA- HORIDUA RIVER OF NARSHINDI -HASNABAD ROAD	3000.00	74.	14-01-01	MUNSHIGONJ	SADAR	RATANPUR-CHAMPATALA ROAD	1175.00
58.	11-02-01	NARSHINGDI	SHIBPUR	SHIBPUR BAZAR-JALLARA BZR	4147.00	75.	14-01-02	MUNSHIGONJ	SADAR	RATANPUR-CHAMPATALA ROAD	2175.00
59.	11-02-02	NARSHINGDI	SHIBPUR	SHIBPUR BAZAR-JALLARA BZR	4638.00	76.	14-02-01	MUNSHIGONJ	TONGIBARI	TONGIBARI-DIGHIRPAR ROAD	3000.00
60.	11-02-03	NARSHINGDI	SHIBPUR	SHIBPUR BAZAR-JALLARA BZR	4978.00	77.	14-02-02	MUNSHIGONJ	TONGIBARI	TONGIBARI-HASAIL ROAD	2500.00
						78.	14-03-01	MUNSHIGONJ	SERAJDIKHAN	SERAJDIKHAN-BALURCHAR ROAD	500.00
						79.	14-04-01	MUNSHIGONJ	GAZARIA	MEGNA BRIDGE-HOSSAINDI ROAD	349.00
						80.	14-05-01	MUNSHIGONJ	LOHAGONJ	LOHAGONJ-NOAPARA BAZAR ROAD	2015.00
						81.	15-01-01	GAZIPUR	SREEPUR	BRIDGE OVER MATIKATA RIVER KAWRAID U.P.	10600.00
						82.	15-02-01	GAZIPUR	SADAR	JOYDEBPUR-CHANDPUR-ZANGALIA ROD OVER CHELYE KHAL NEAR TITERKUL	3000.00
						83.	15-03-01	GAZIPUR	KALIGONJ	KALIGONG-ZANGALIA ROAD OVER NALI KHAL	5500.00

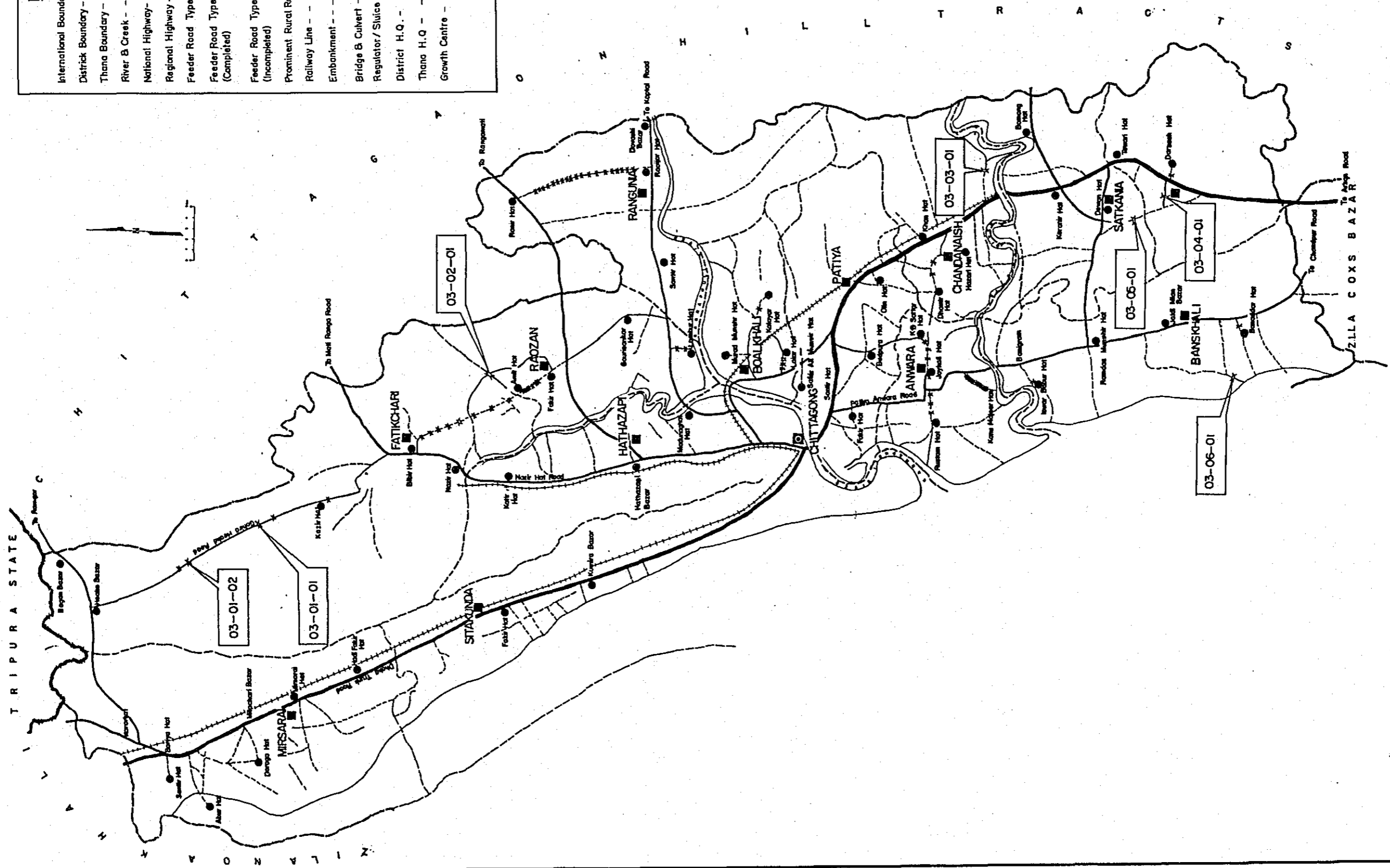
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- International Bounda - - - - - X X X X
- District Boundary - - - - -
- Thana Boundary - - - - -
- River & Creek - - - - -
- National Highway - - - - -
- Regional Highway - - - - -
- Feeder Road Type-A - - - - -
- Feeder Road Type-B (Completed) - - - - -
- Feeder Road Type-B (Incomplete) - - - - -
- Prominent Rural Road - - - - -
- Railway Line - - - - -
- Embankment - - - - -
- Bridge & Culvert - - - - -
- Regulator / Sluice - - - - -
- District H.Q. - - - - -
- Thana H.Q. - - - - -
- Growth Centre - - - - -



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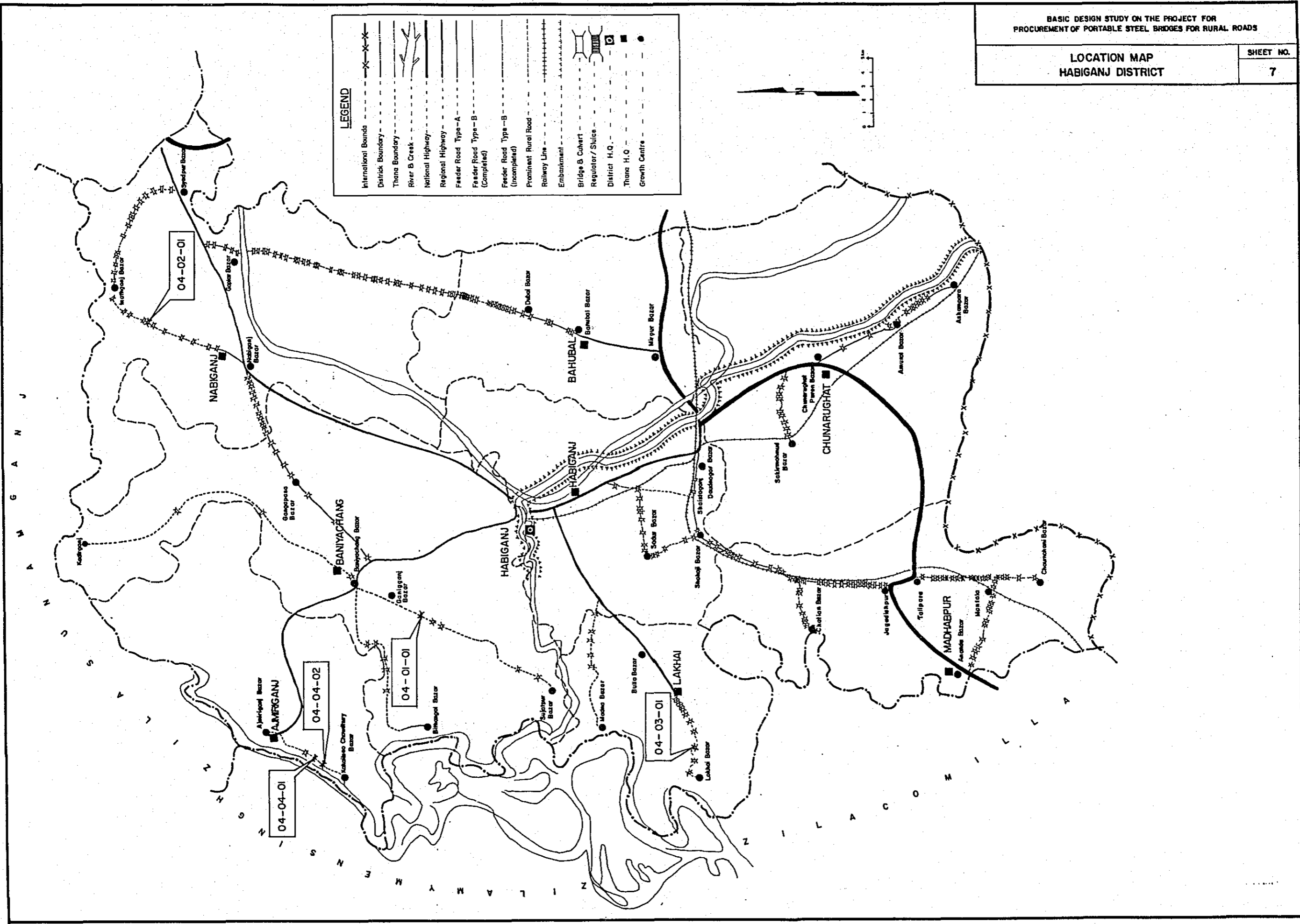


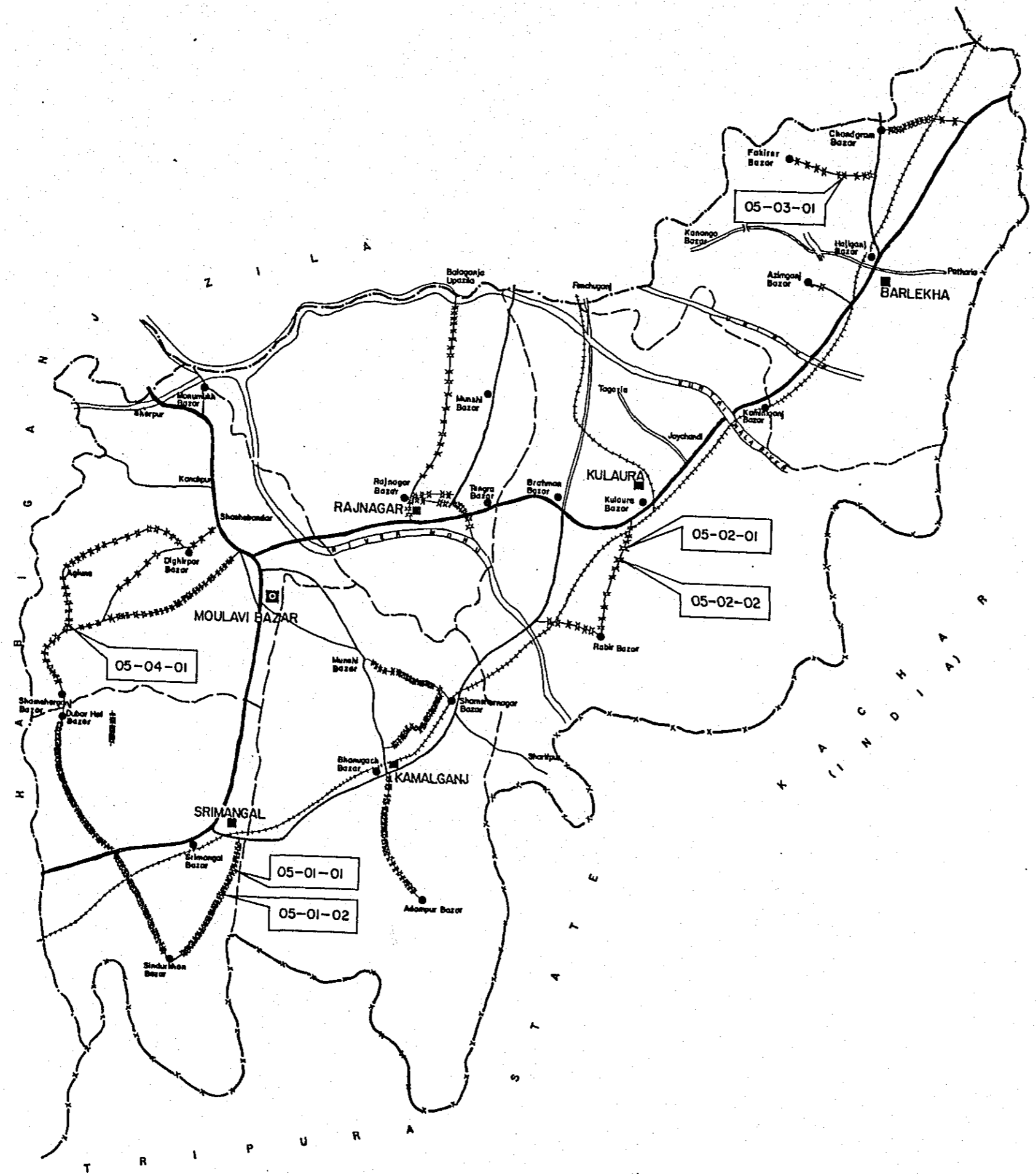
LOCATION MAP
HABIGANJ DISTRICT

SHEET NO.
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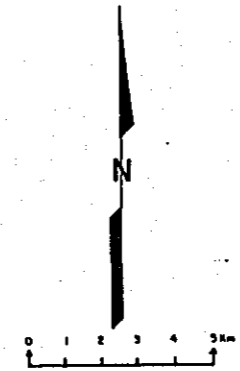
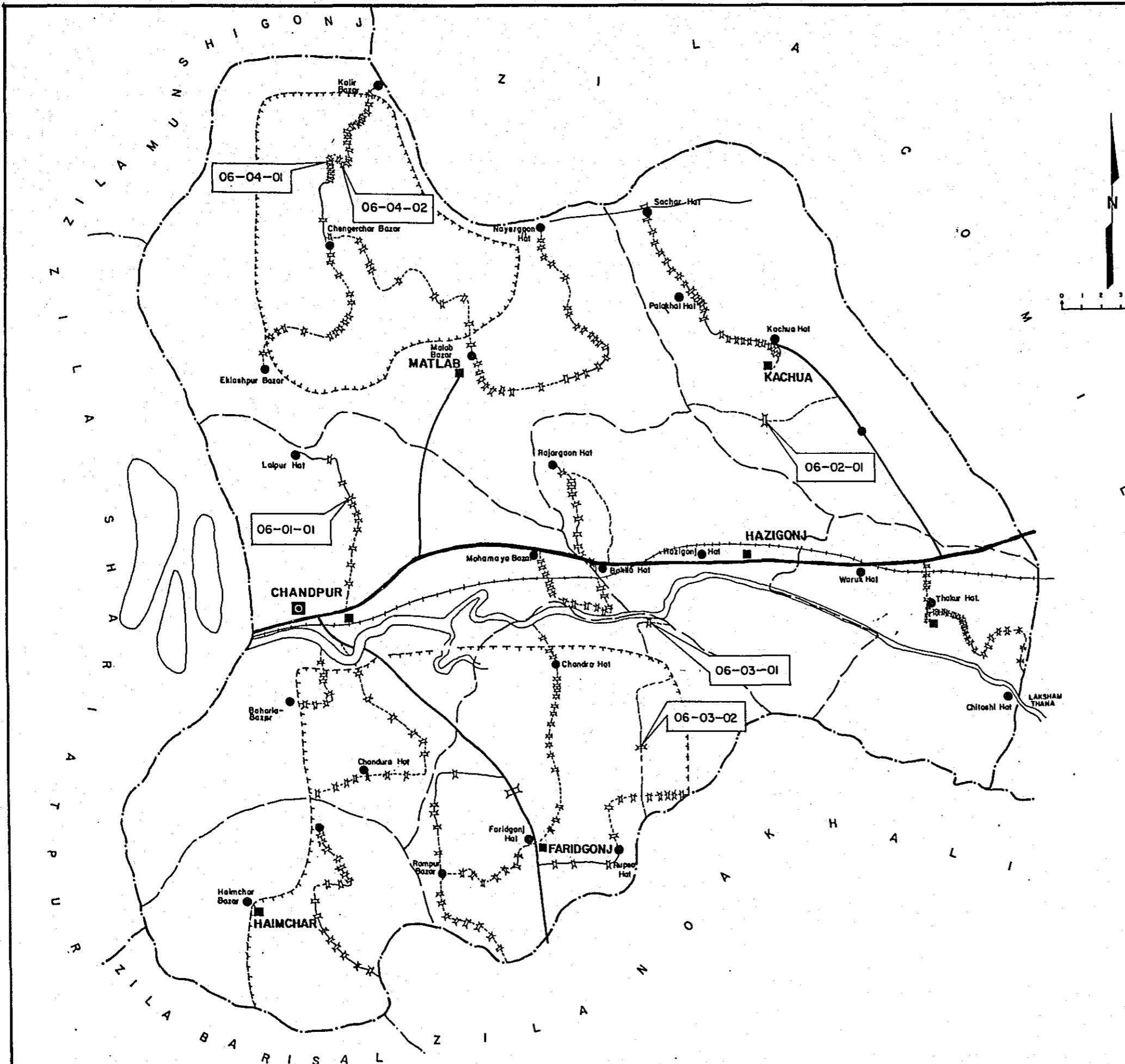
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- Regional Highway - - - - -
- Feeder Road Type-A - - - - -
- Feeder Road Type-B - - - - -
- (Completed)
- Feeder Road Type-B - - - - -
- (Incomplete)
- Prominent Rural Road - - - - -
- Railway Line - - - - -
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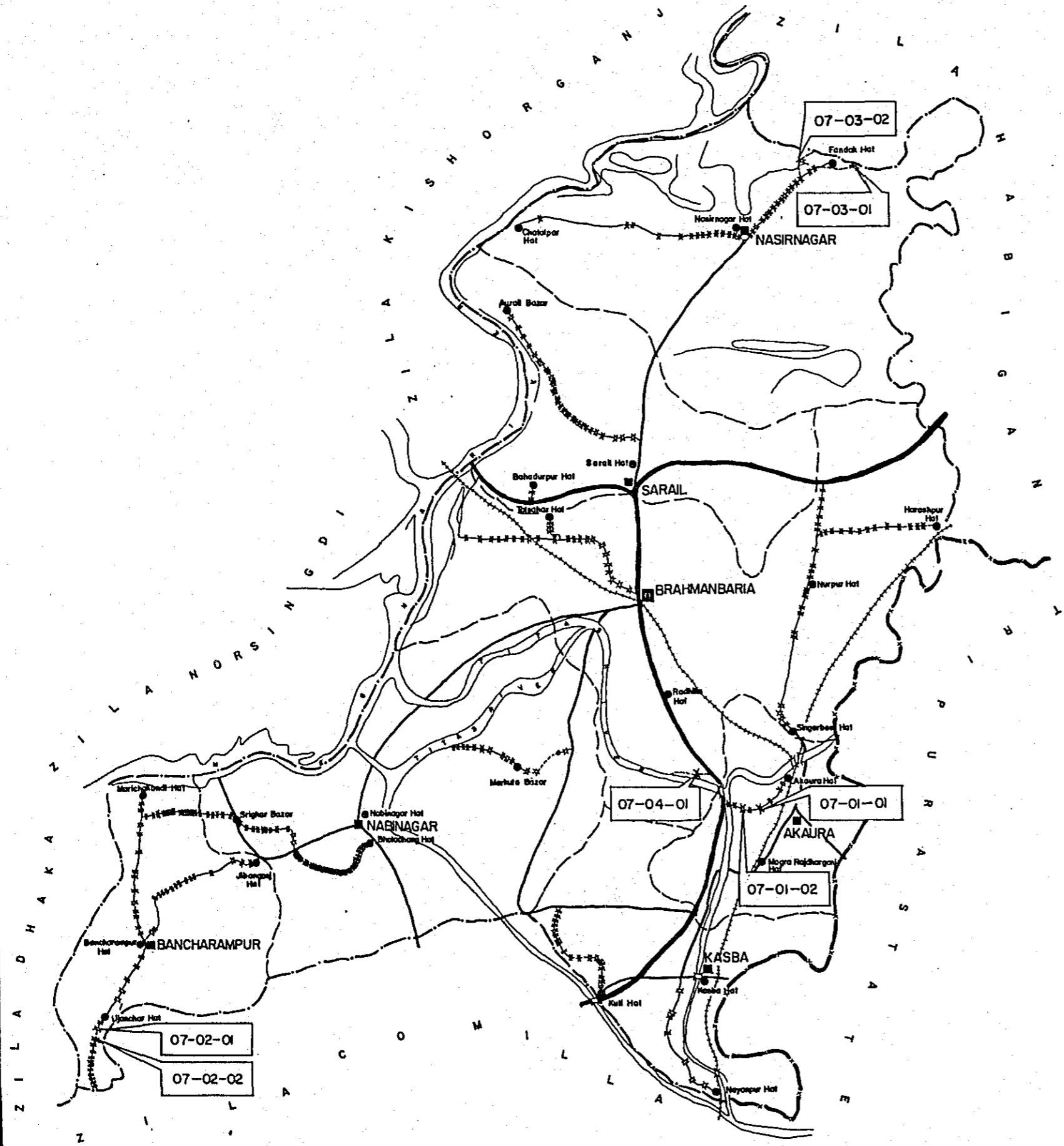
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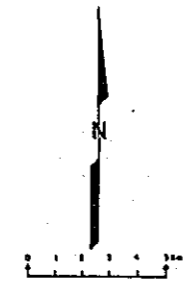
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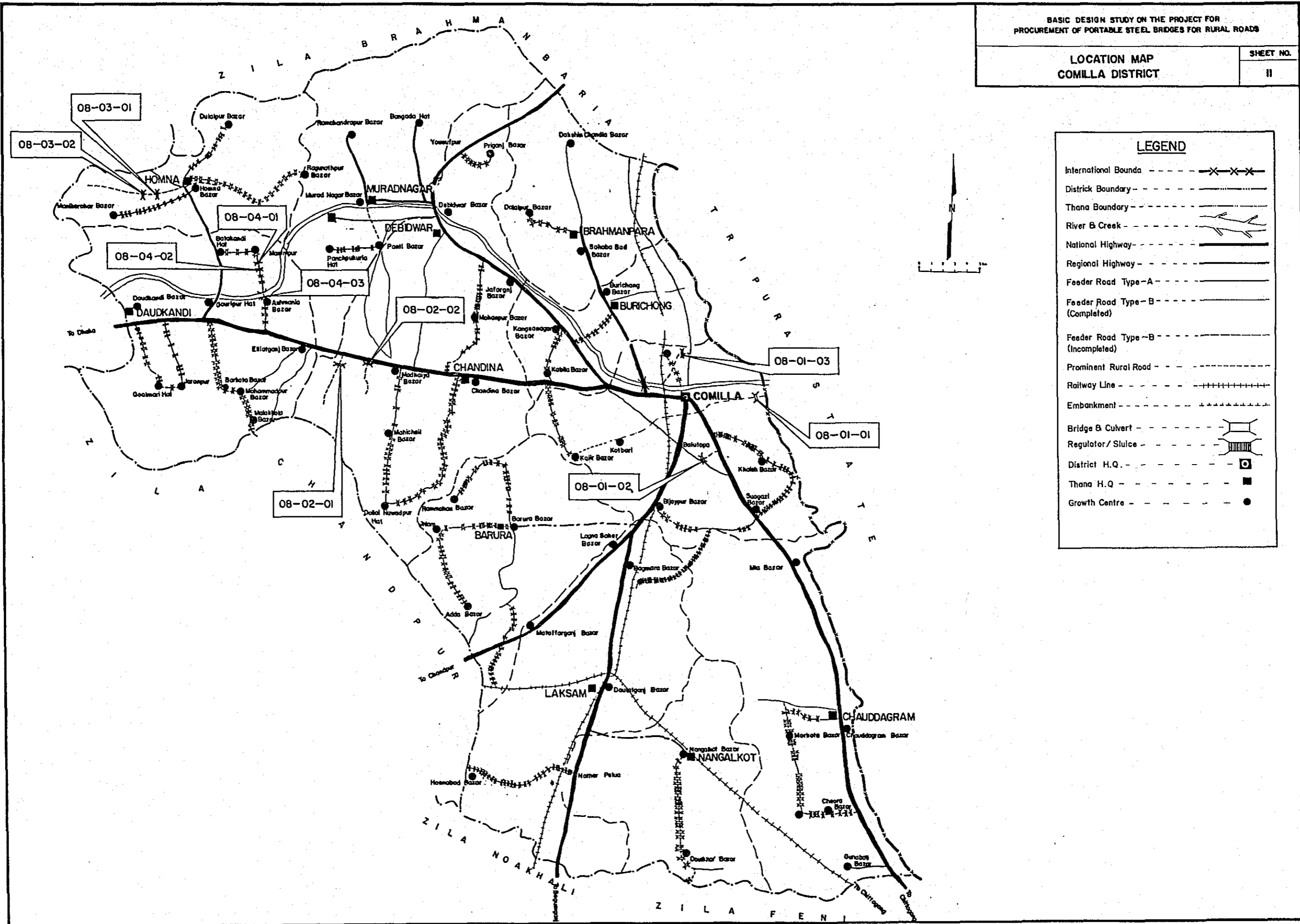
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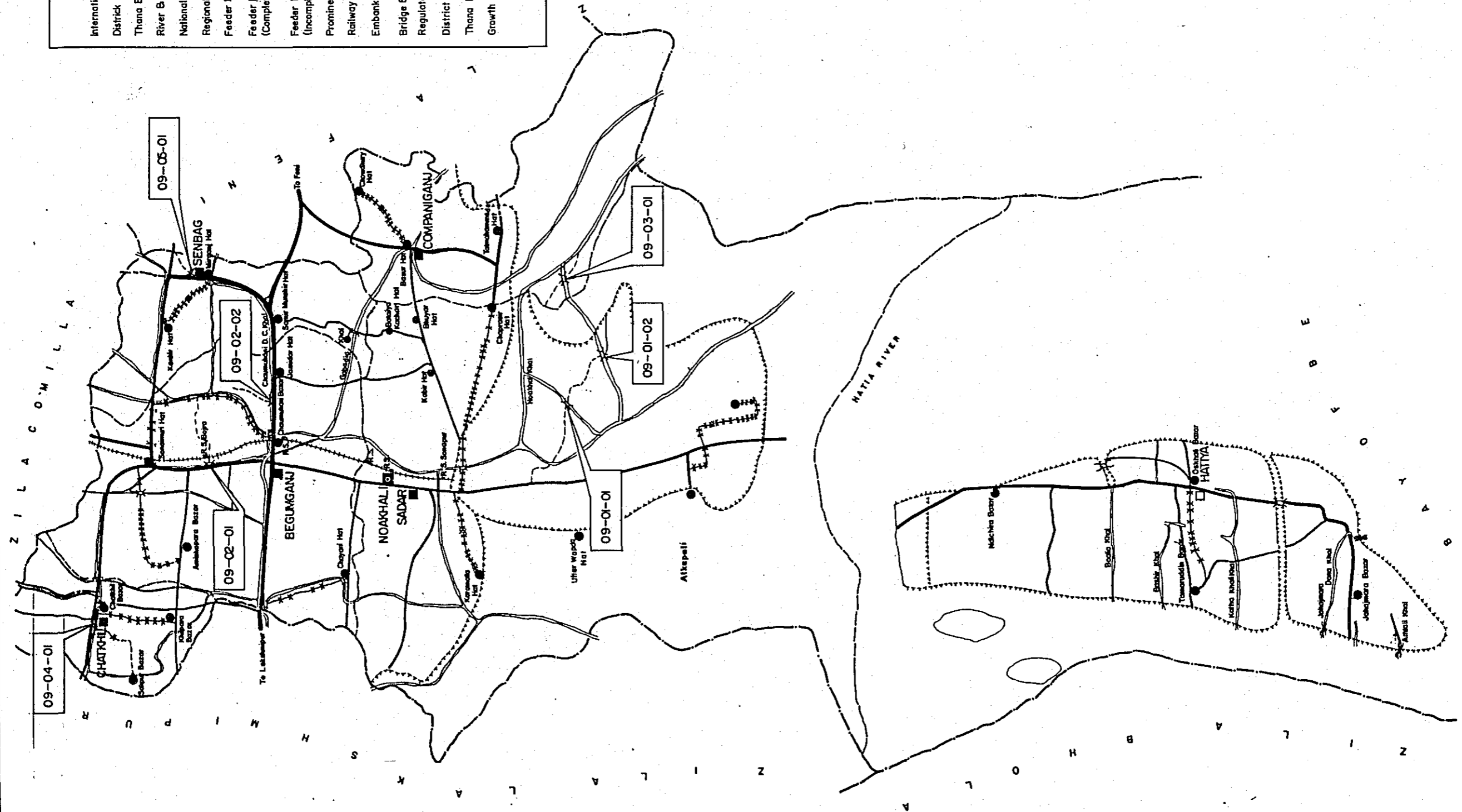
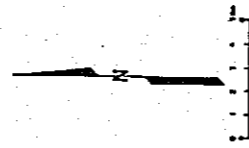


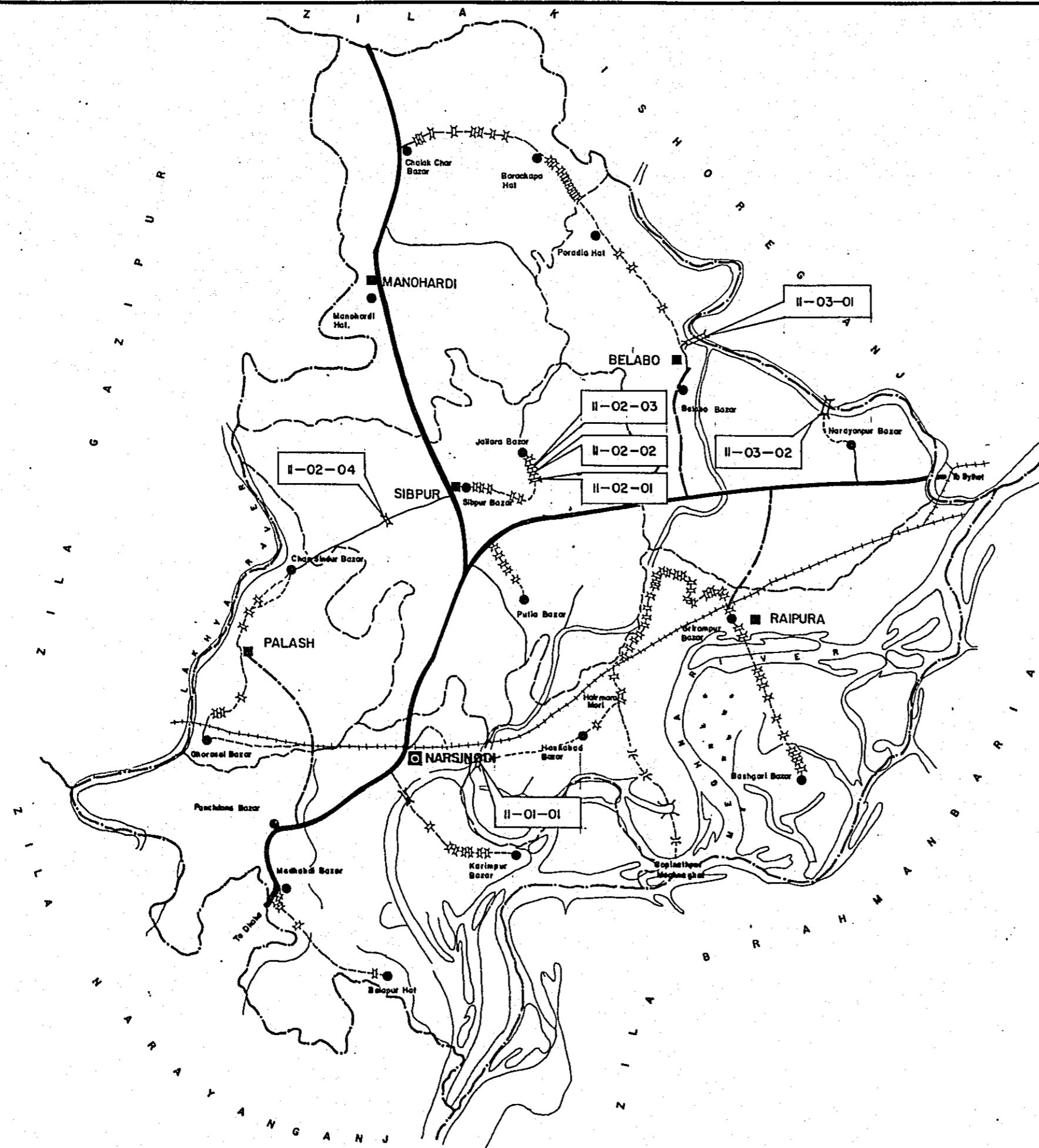
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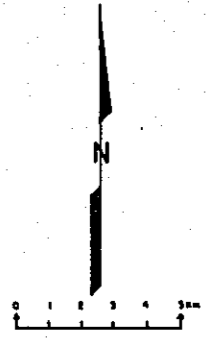
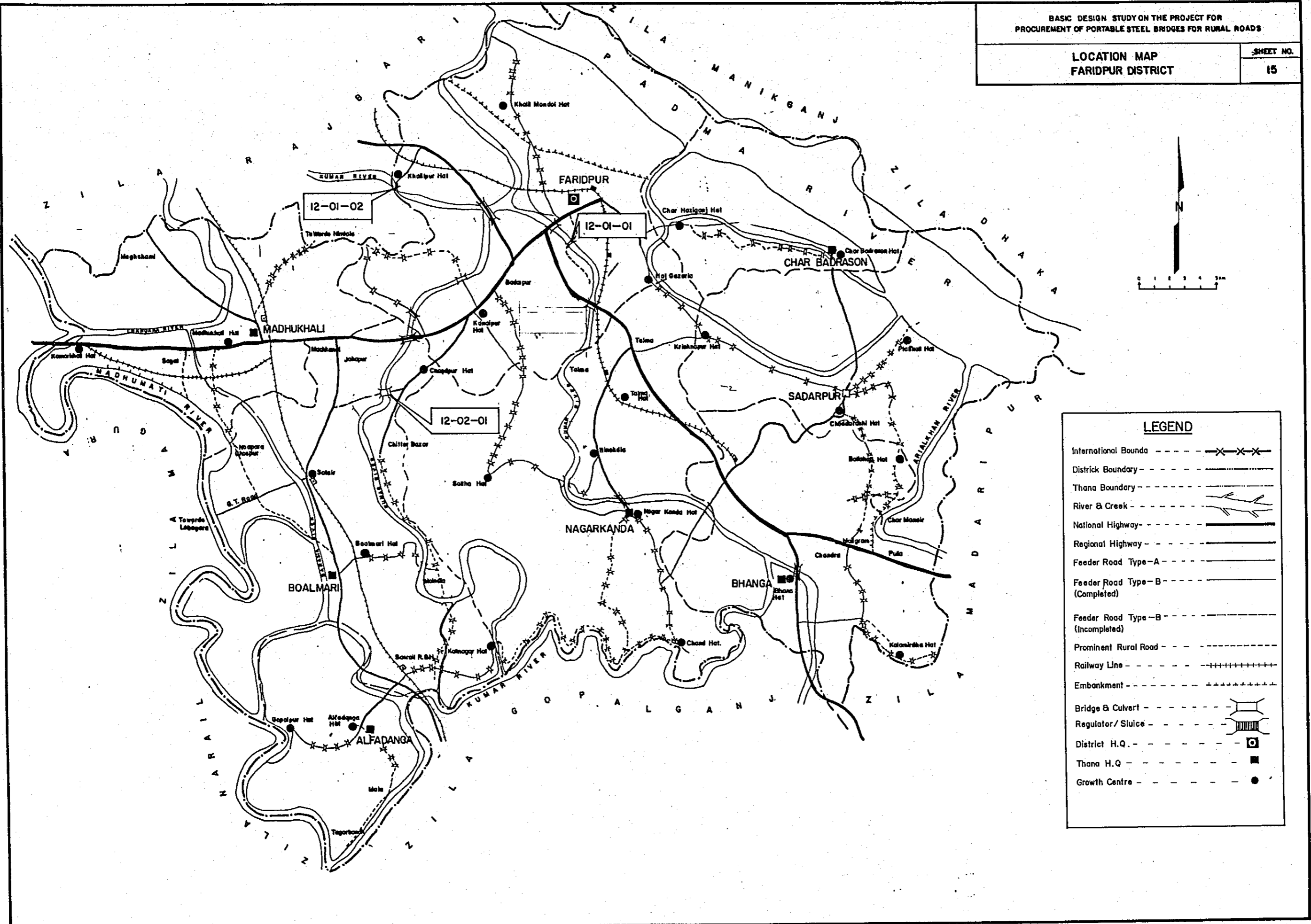
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Embankment	+++++
Bridge & Culvert	=====
Regulator/Sluice	=====
District H.Q.	□
Thana H.Q.	■
Growth Centre	●



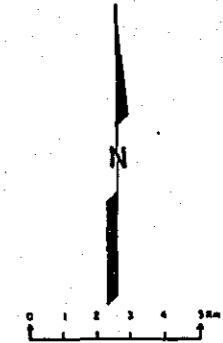


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Feeder Road Type-B (Incomplete)	-----
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Railway Line	+++++
Embankment	+++++
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Growth Centre	



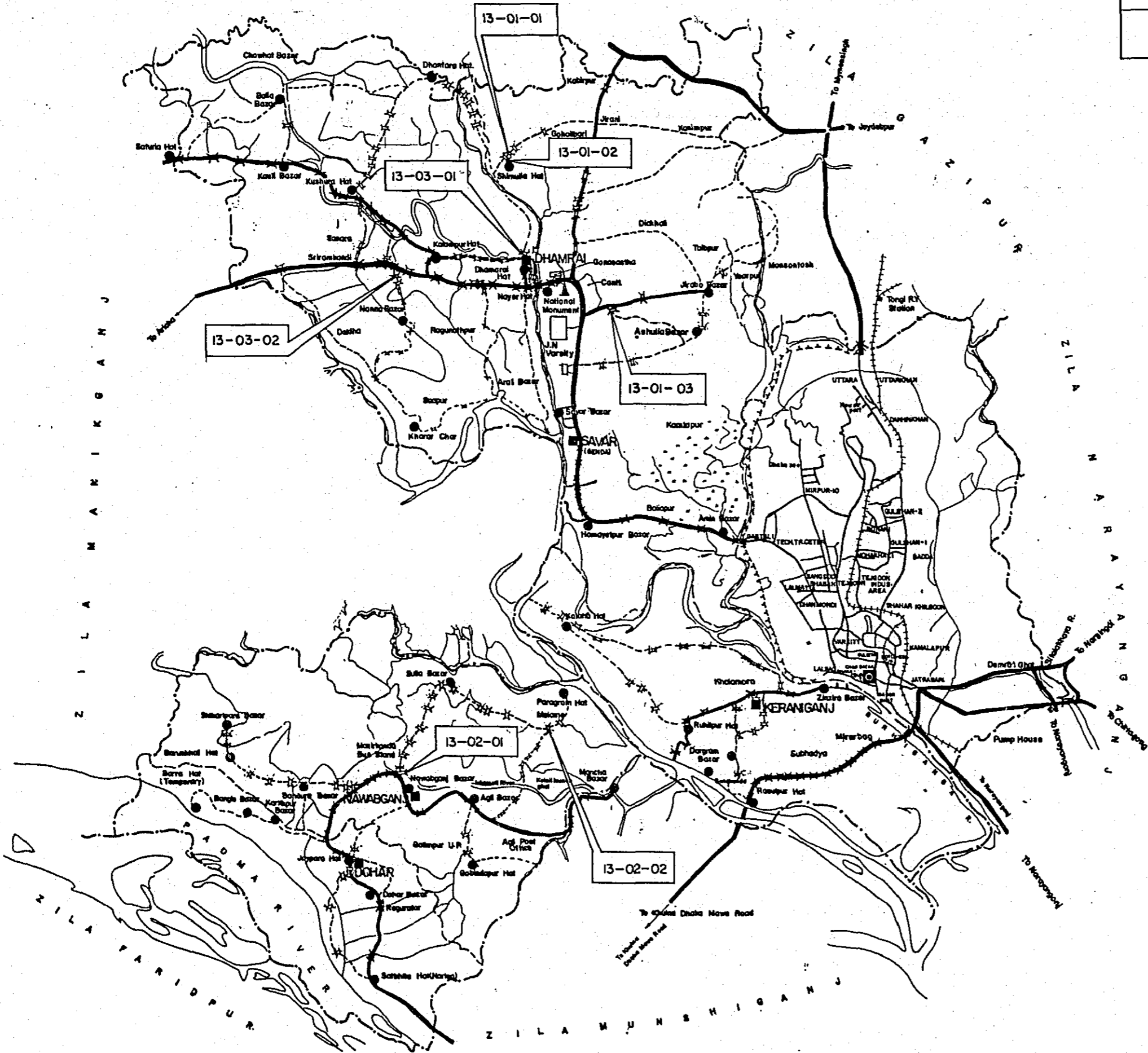
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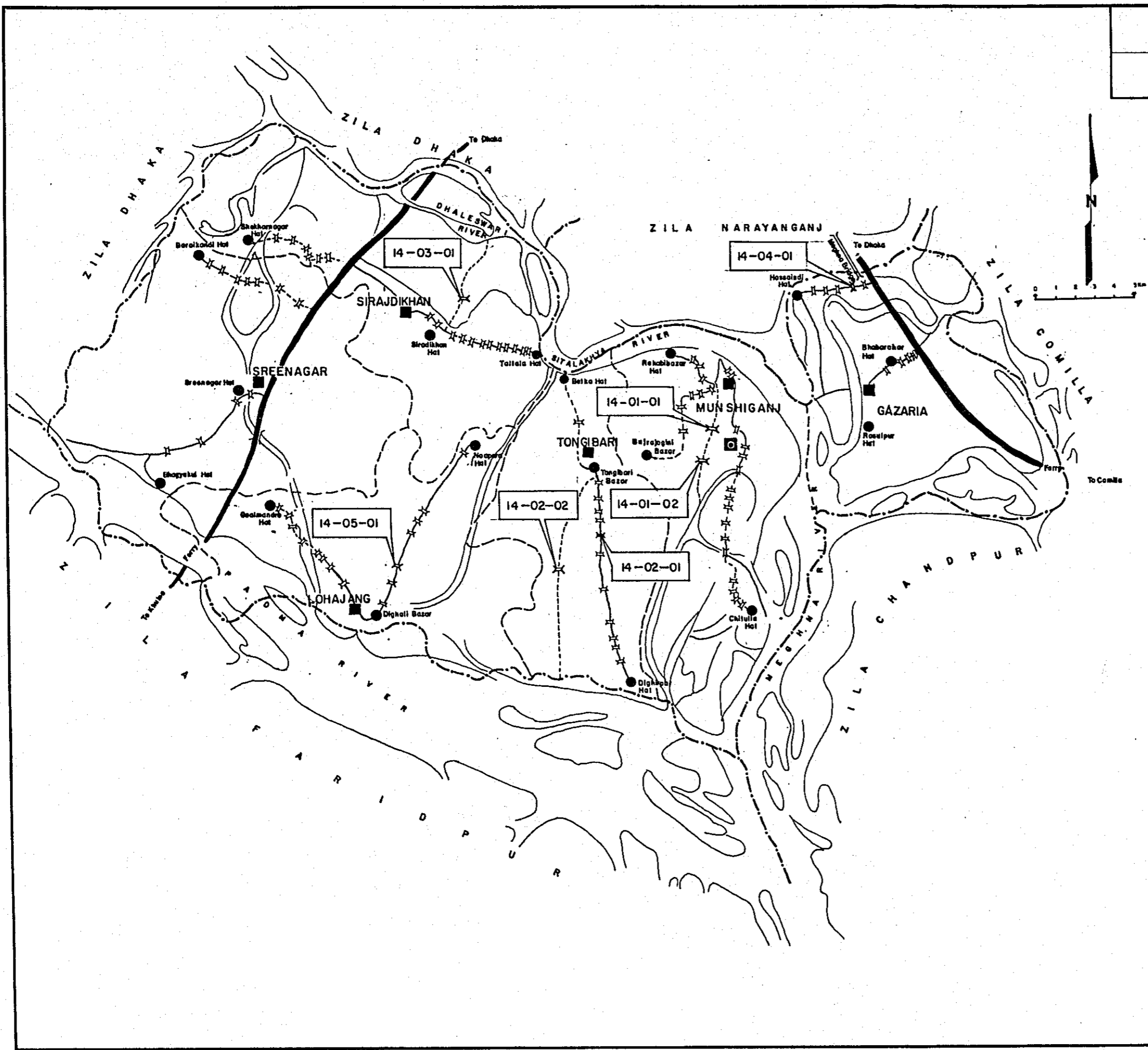


Z I L A M A N I K G A N J

Z I L A M A R A Y A N G A N J

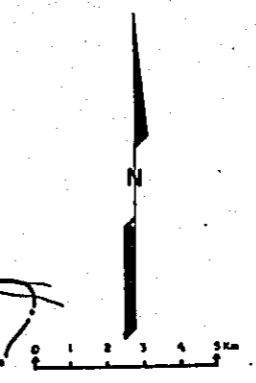
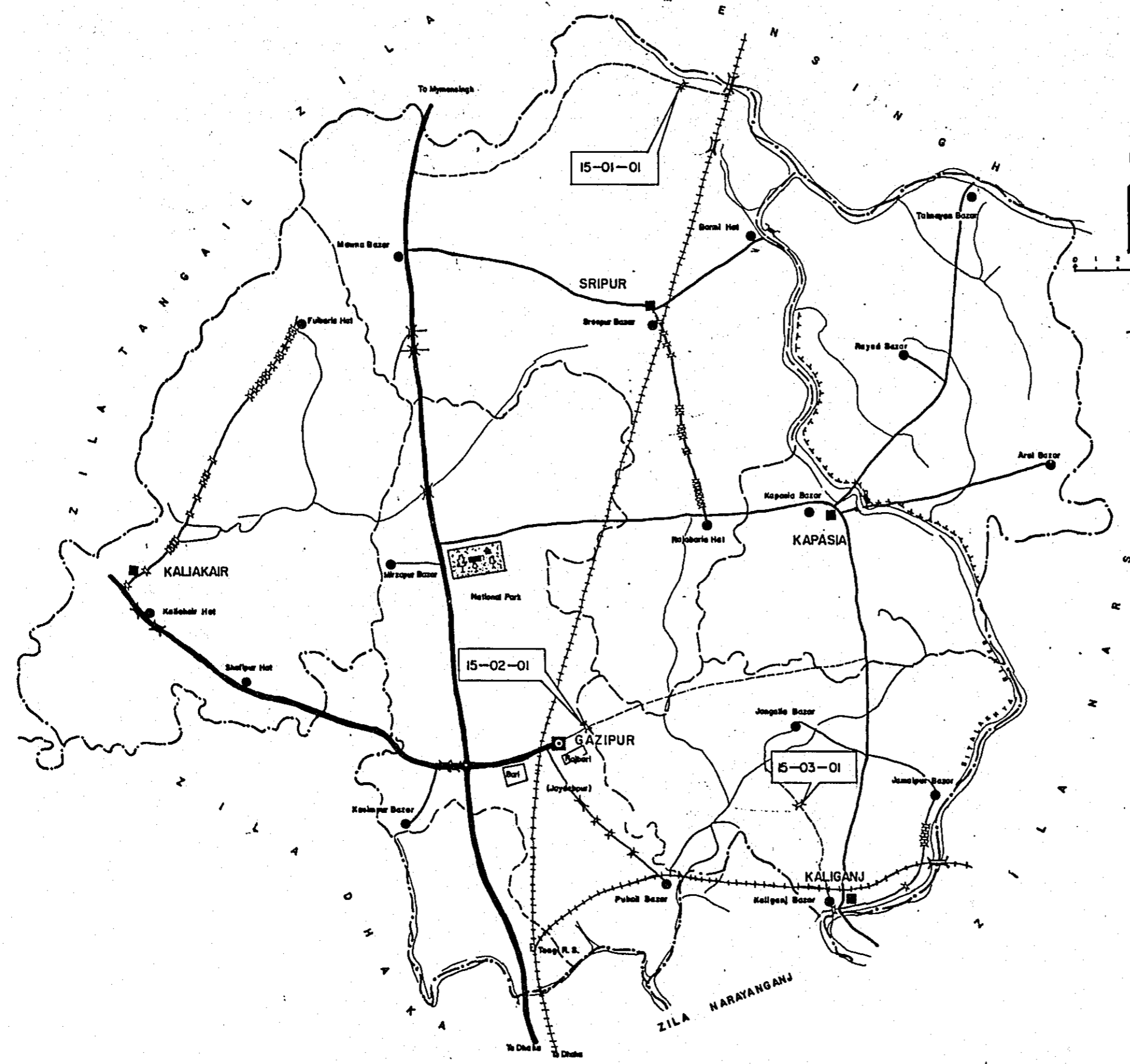
Z I L A P A R I D U R

Z I L A M U N S H I G A N J



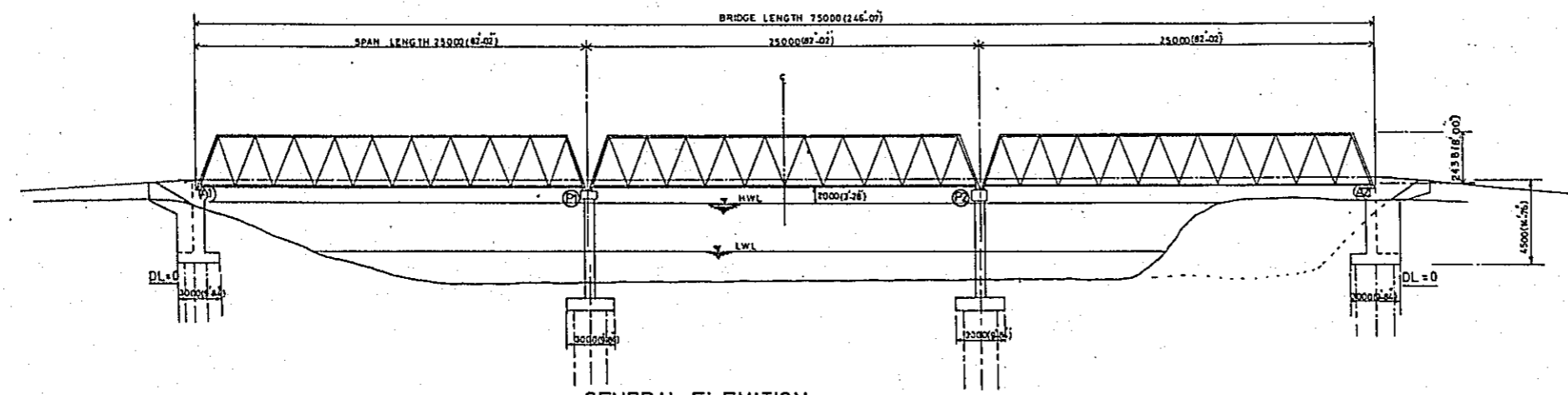
LEGEND

- International Boundo - - - - X X X X
- District Boundary - - - - -
- Thana Boundary - - - - -
- River & Creek - - - - -
- National Highway - - - - -
- Regional Highway - - - - -
- Feeder Road Type-A - - - - -
- Feeder Road Type-B - - - - -
(Completed)
- Feeder Road Type-B - - - - -
(Incompleted)
- Prominent Rural Road - - - - -
- Railway Line - - - - -
- Embankment - - - - -
- Bridge & Culvert - - - - -
- Regulator/Sluice - - - - -
- District H.Q. - - - - -
- Thana H.Q. - - - - -
- Growth Centre - - - - -

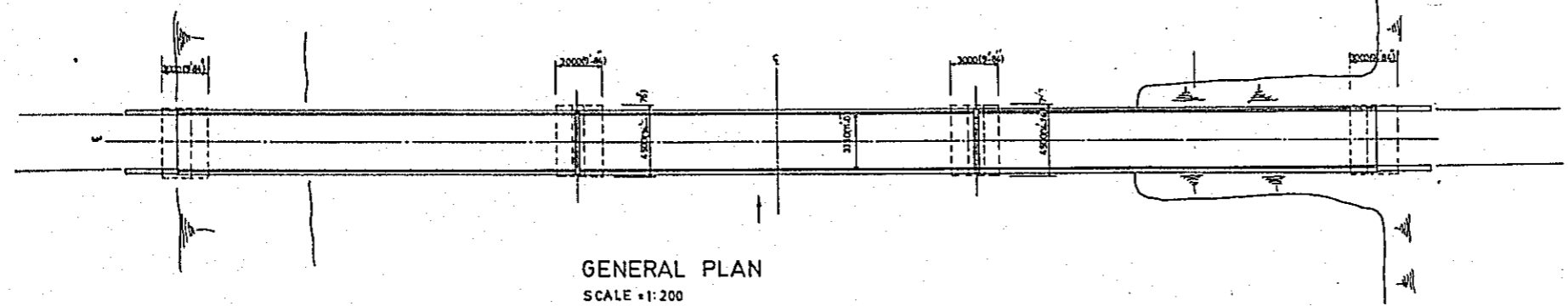


LEGEND	
International Bounda	---X---X---X---
District Boundary	-----
Thana Boundary	-----
River & Creek	~~~~~
National Highway	-----
Regional Highway	-----
Feeder Road Type-A	-----
Feeder Road Type-B (Completed)	-----
Feeder Road Type-B (Incomplete)	-----
Prominent Rural Road	-----
Railway Line	-----
Embankment	-----
Bridge & Culvert	-----
Regulator / Sluice	-----
District H.Q.	-----
Thana H.Q.	-----
Growth Centre	-----

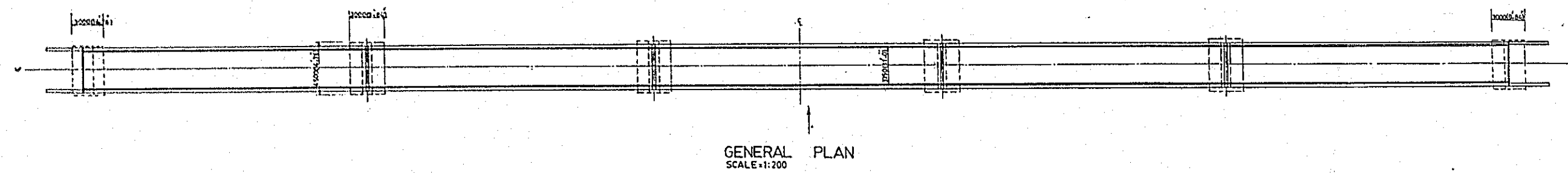
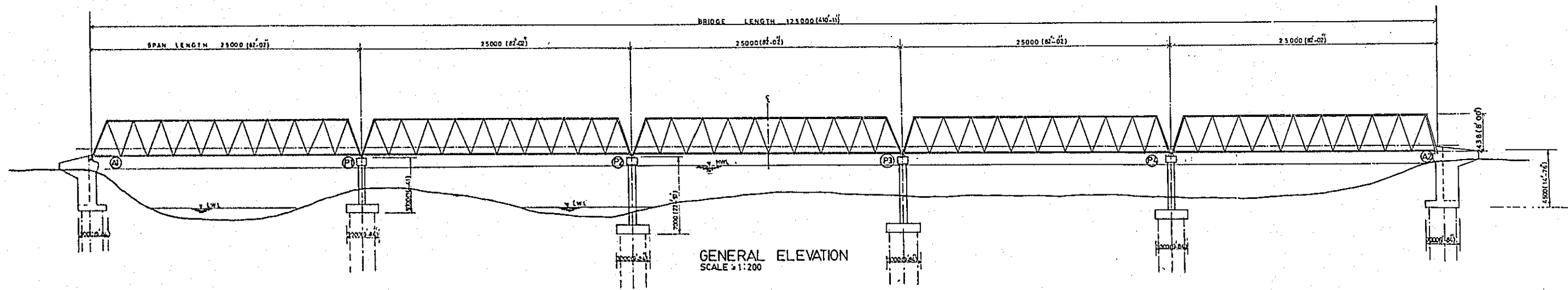
BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDGE NO	LOCATION	SHEET NO
01-01-01	COX'S BAZAR	19

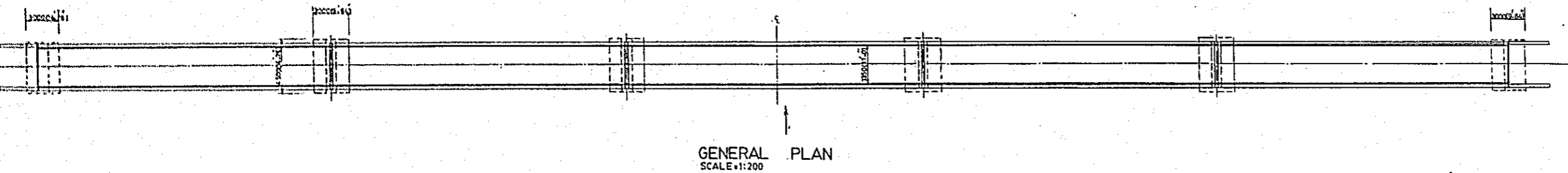
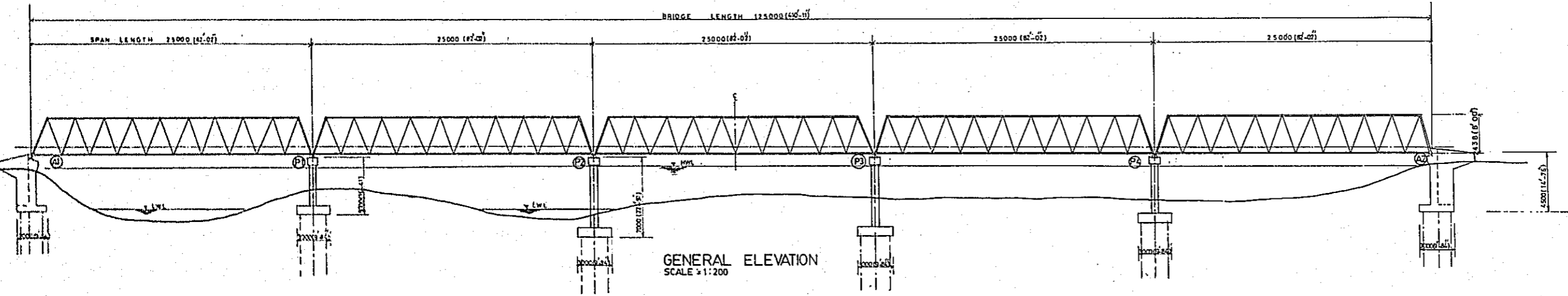


GENERAL ELEVATION
SCALE = 1:200

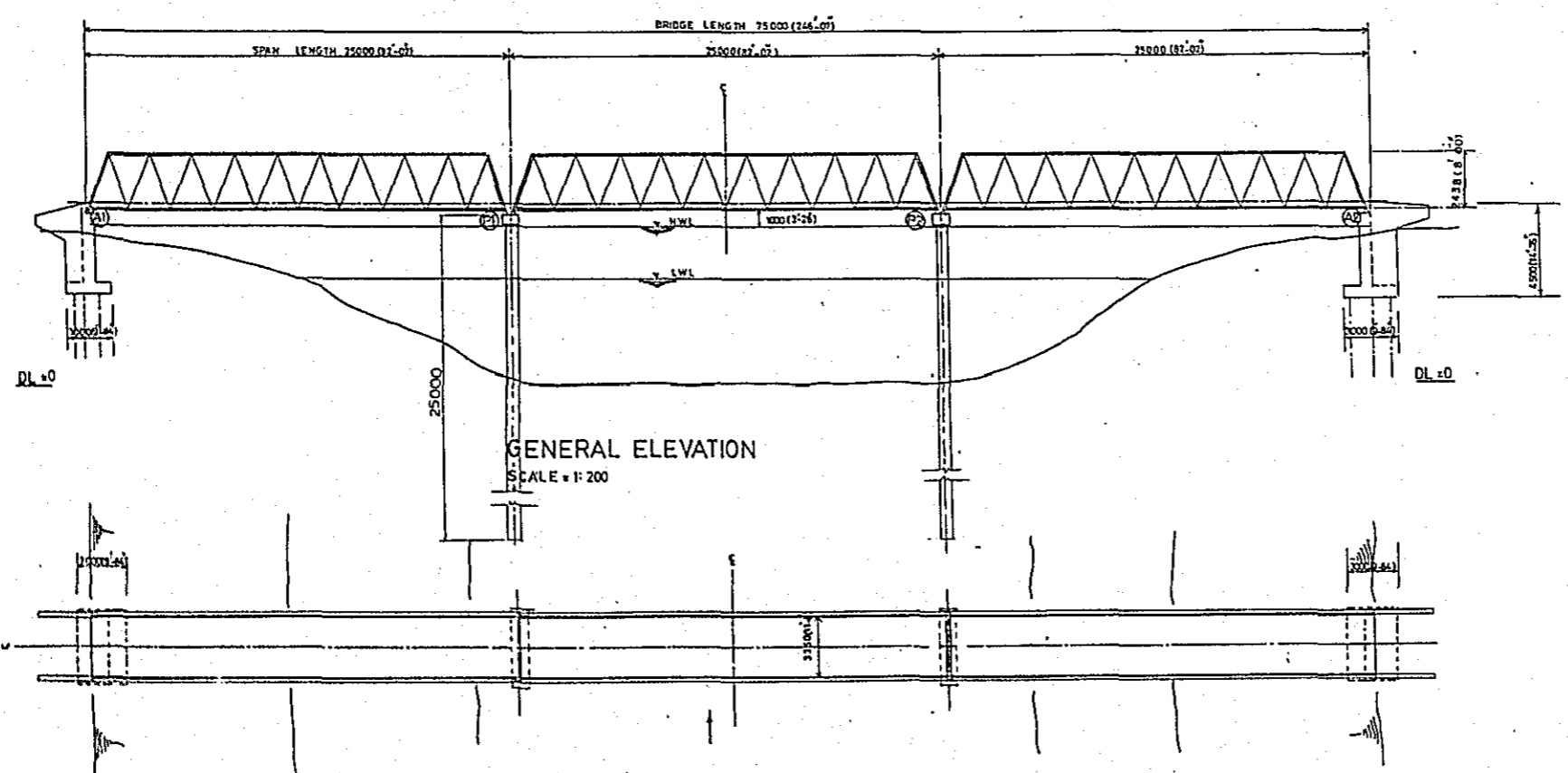


GENERAL PLAN
SCALE = 1:200



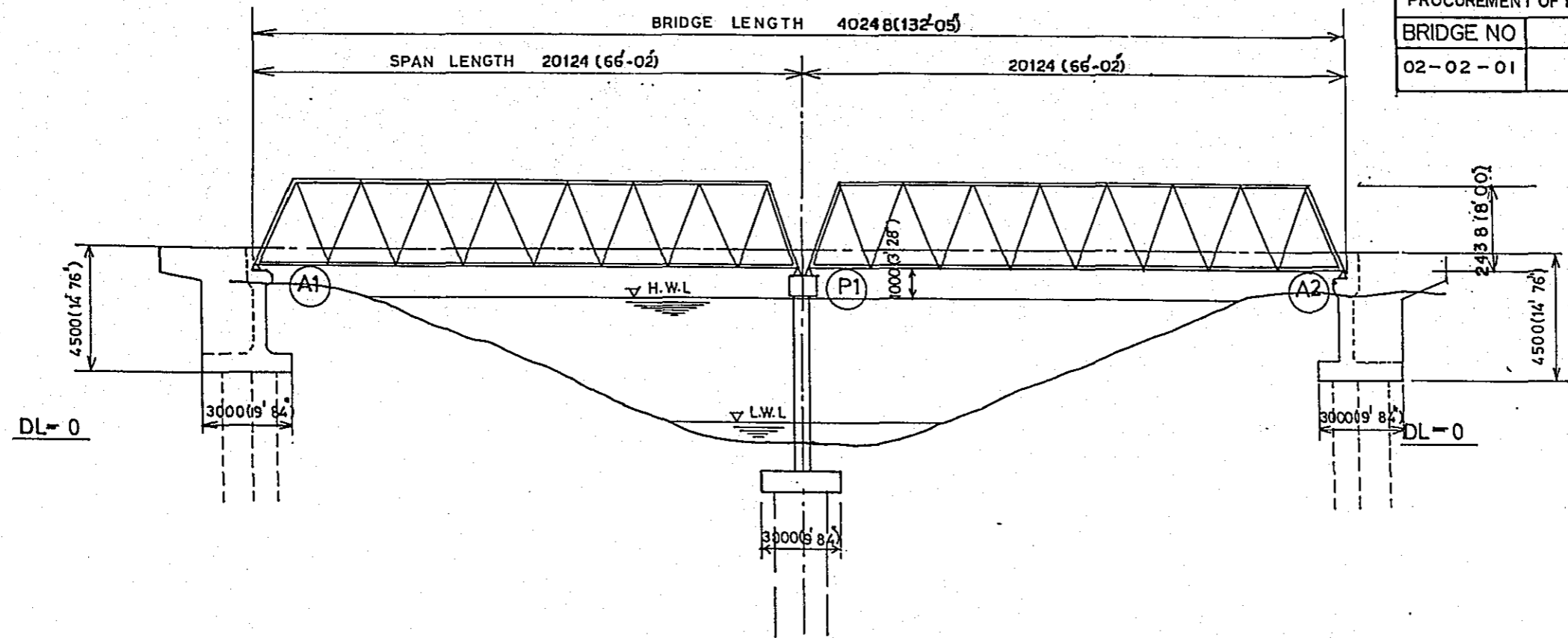


BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDGE NO	LOCATION	SHEET NO
02-01-01	FEN1	21

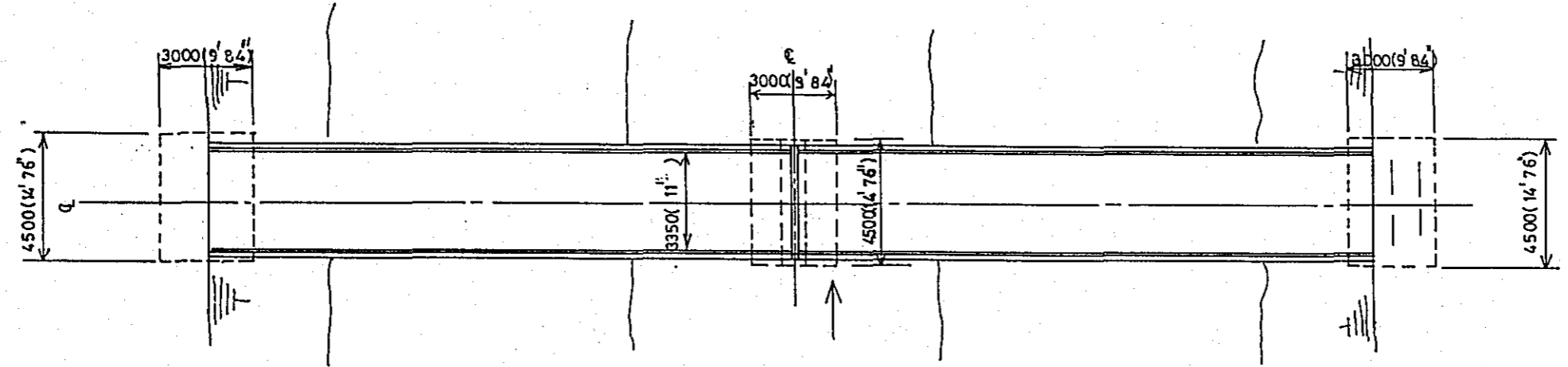


GENERAL PLAN
SCALE = 1:200

BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDGE NO	LOCATION	SHEET NO
02-02-01	FENI	22

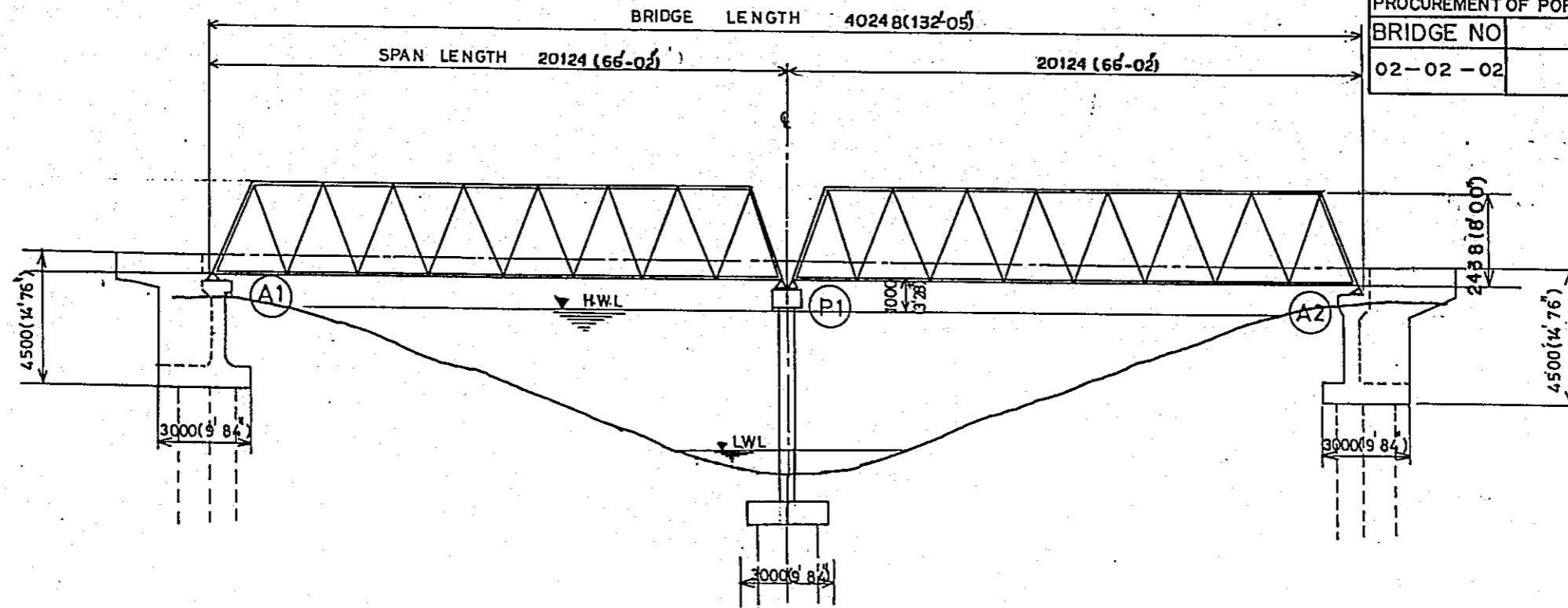


GENERAL ELEVATION
SCALE : 1:200

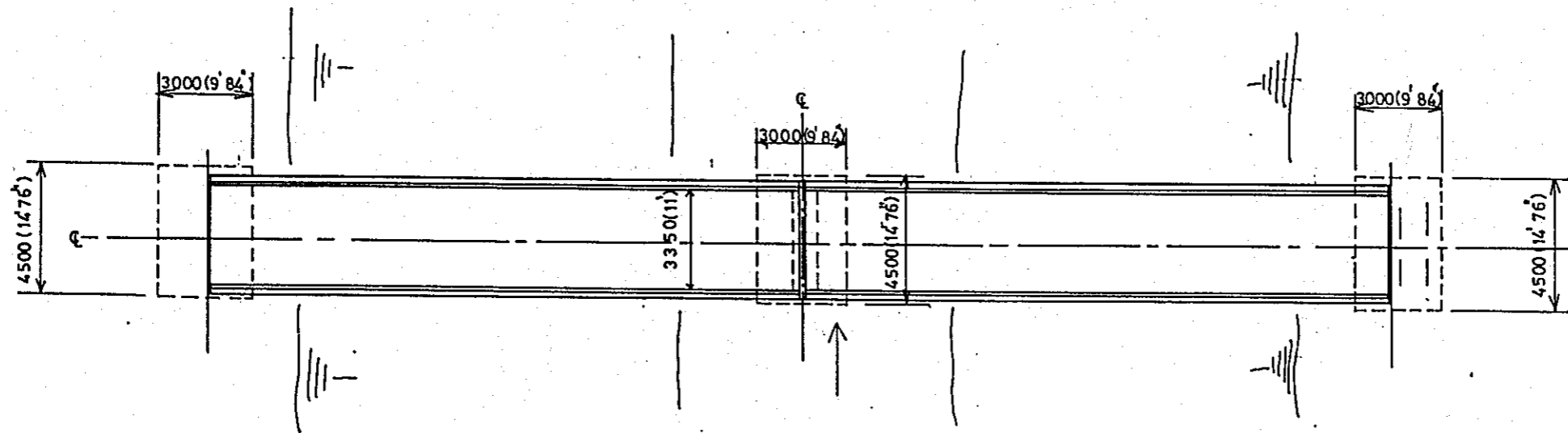


GENERAL PLAN
SCALE : 1:200

BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDGE NO	LOCATION	SHEET NO
02-02-02	FENI	23



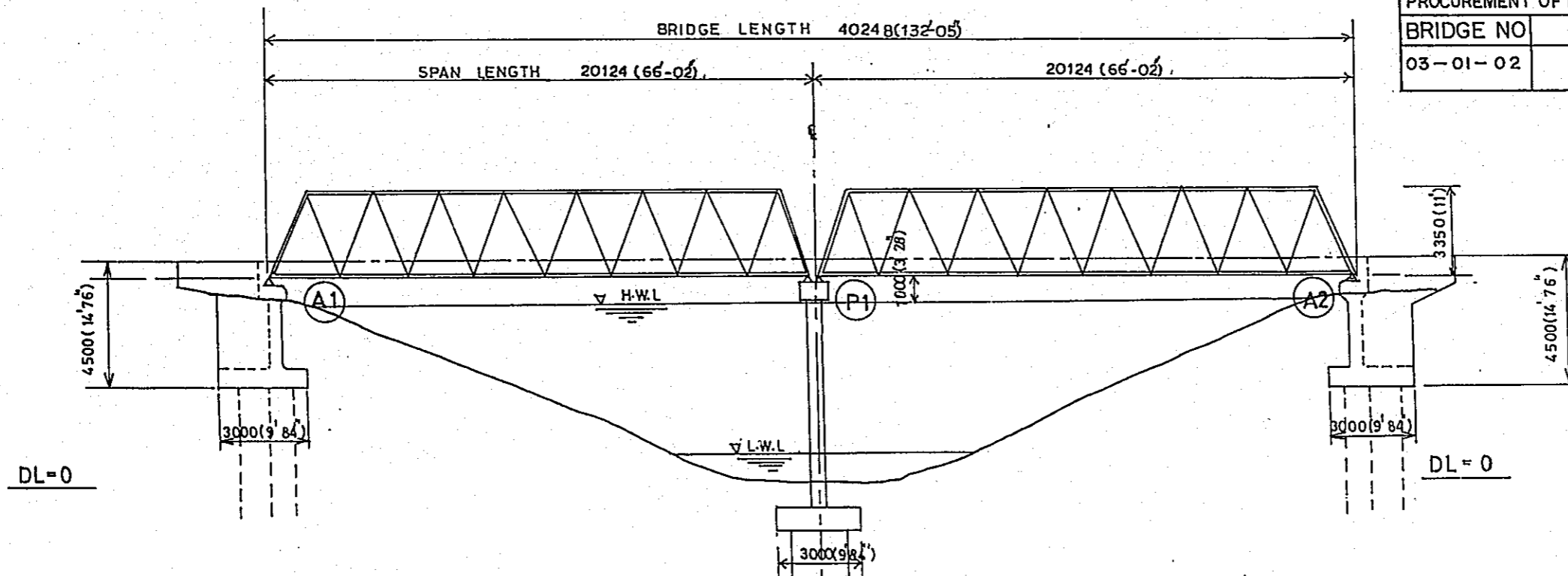
GENERAL ELEVATION
SCALE : 1:200



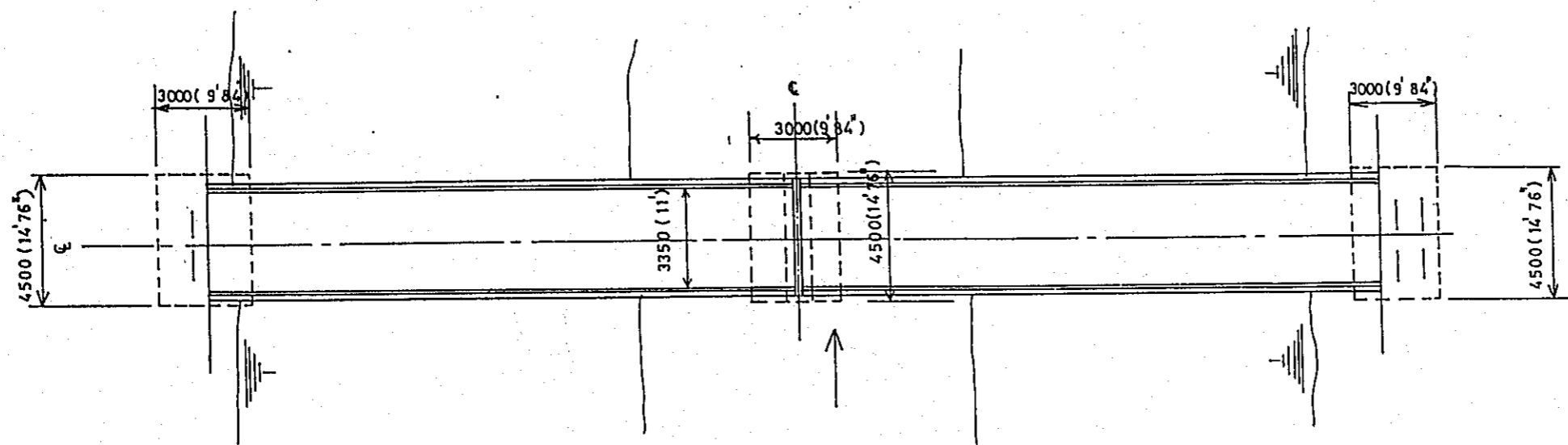
GENERAL PLAN
SCALE : 1:200

BASIC DESIGN STUDY ON THE PROJECT FOR
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS

BRIDGE NO	LOCATION	SHEET NO
03-01-02	CHITTAGONG	25

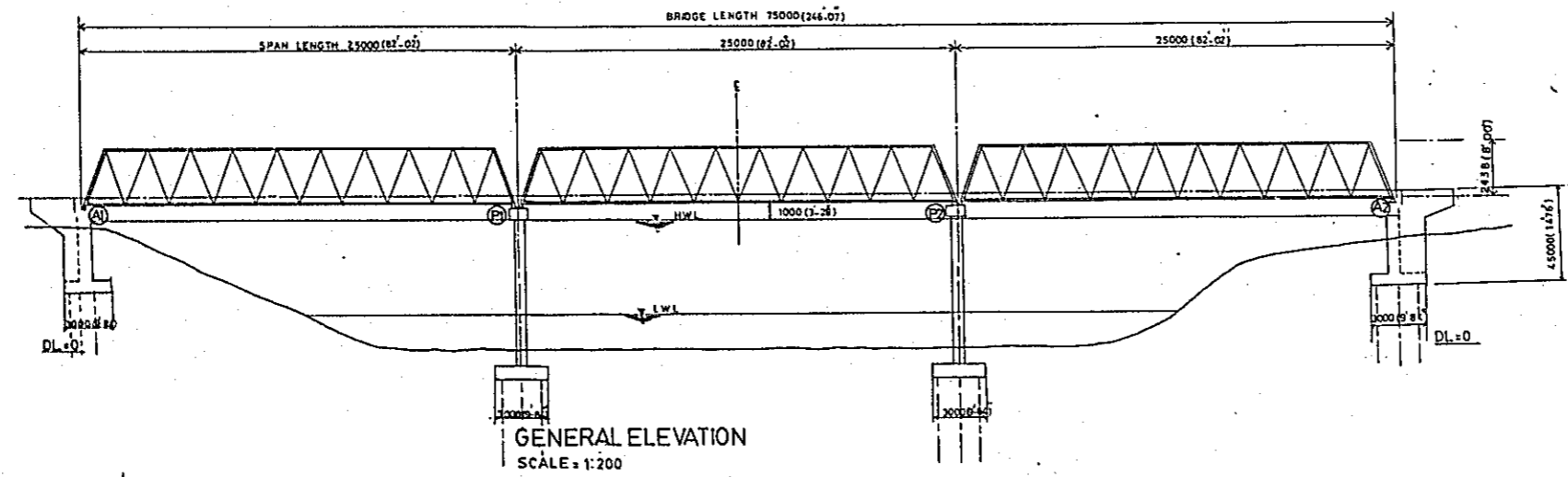


GENERAL ELEVATION
SCALE : 1:200

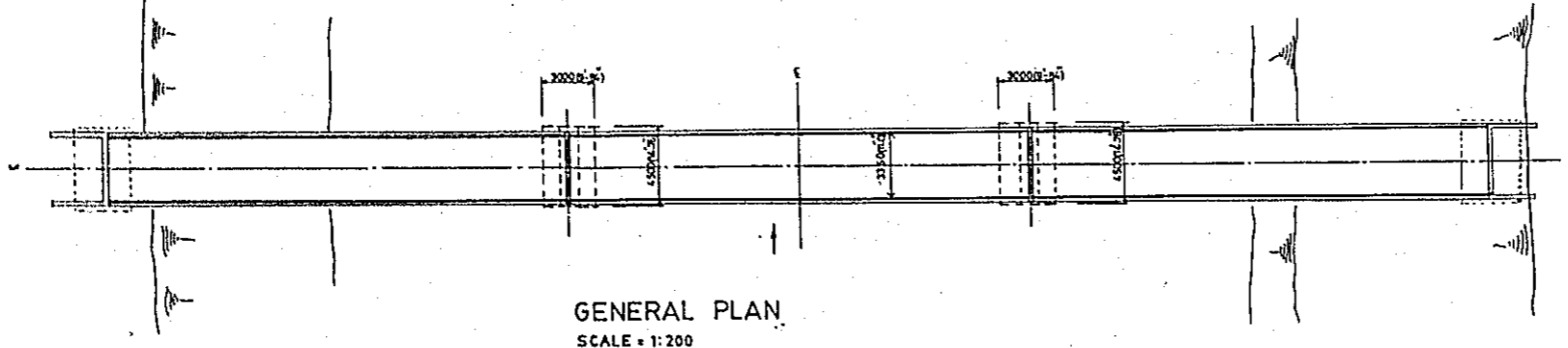


GENERAL PLAN
SCALE : 1:200

BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDGE NO.	LOCATION	SHEET NO.
Q3-02-01	CHITTAGONG	26

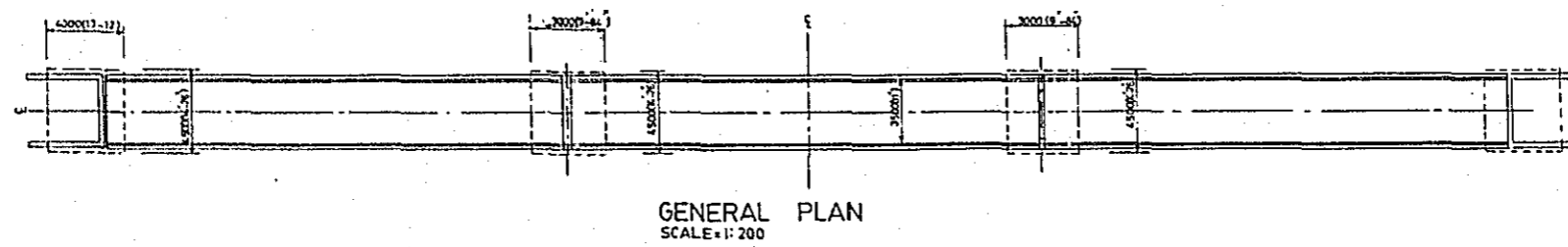
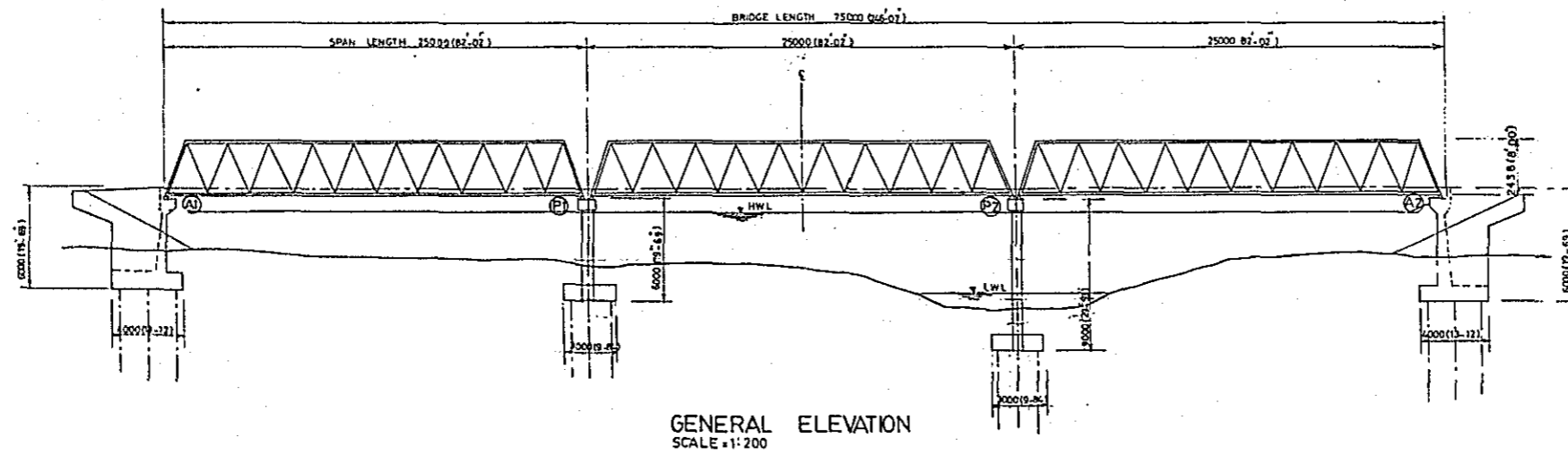


GENERAL ELEVATION
SCALE = 1:200



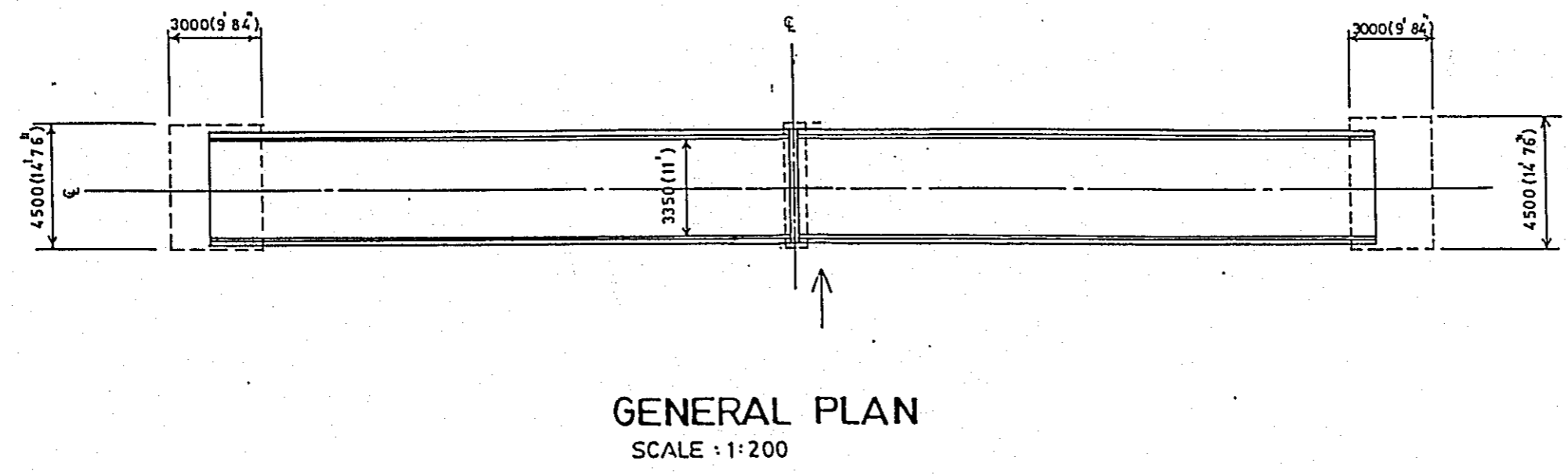
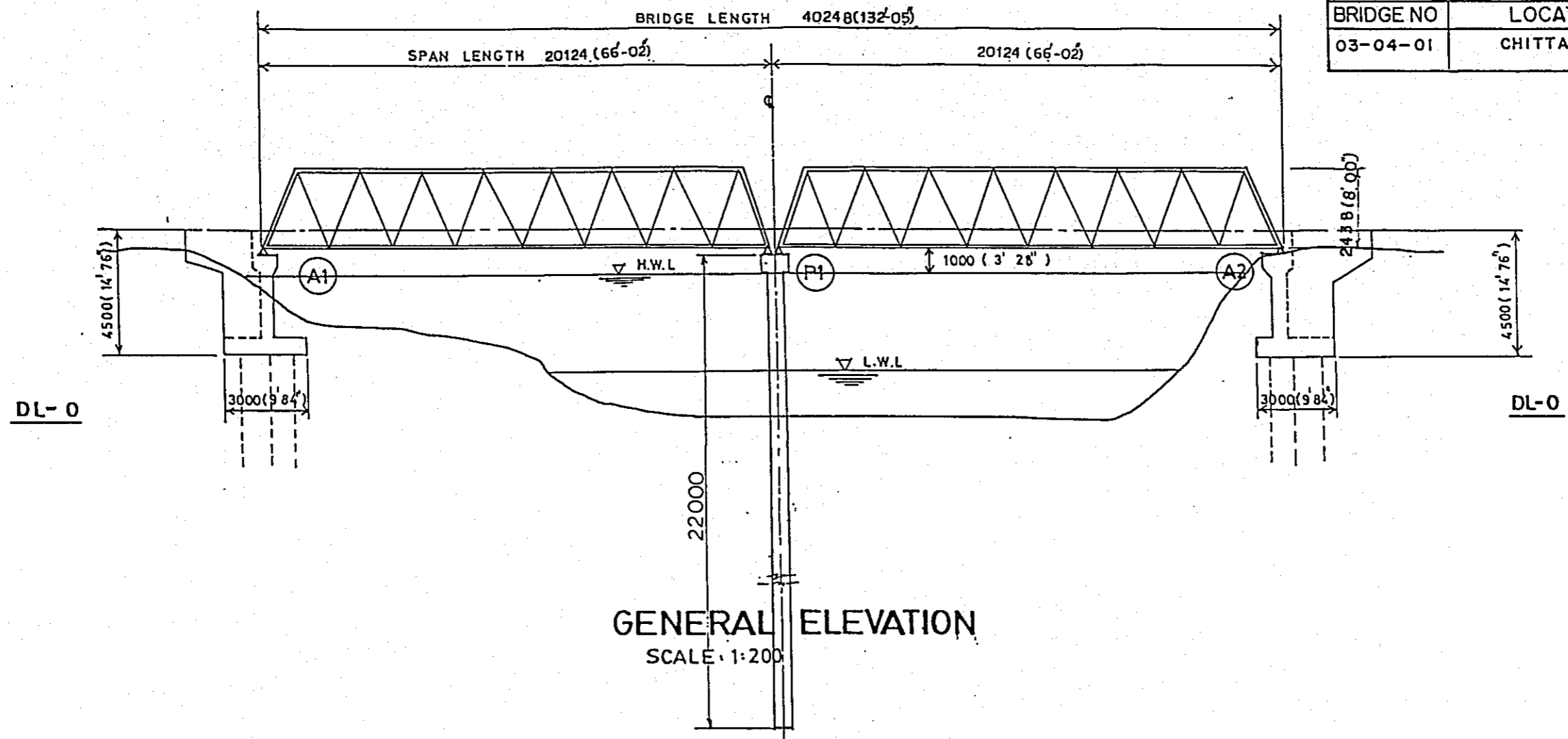
GENERAL PLAN
SCALE = 1:200

BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDGE NO	LOCATION	SHEET NO
03-03-01	CHITTAGONG	27



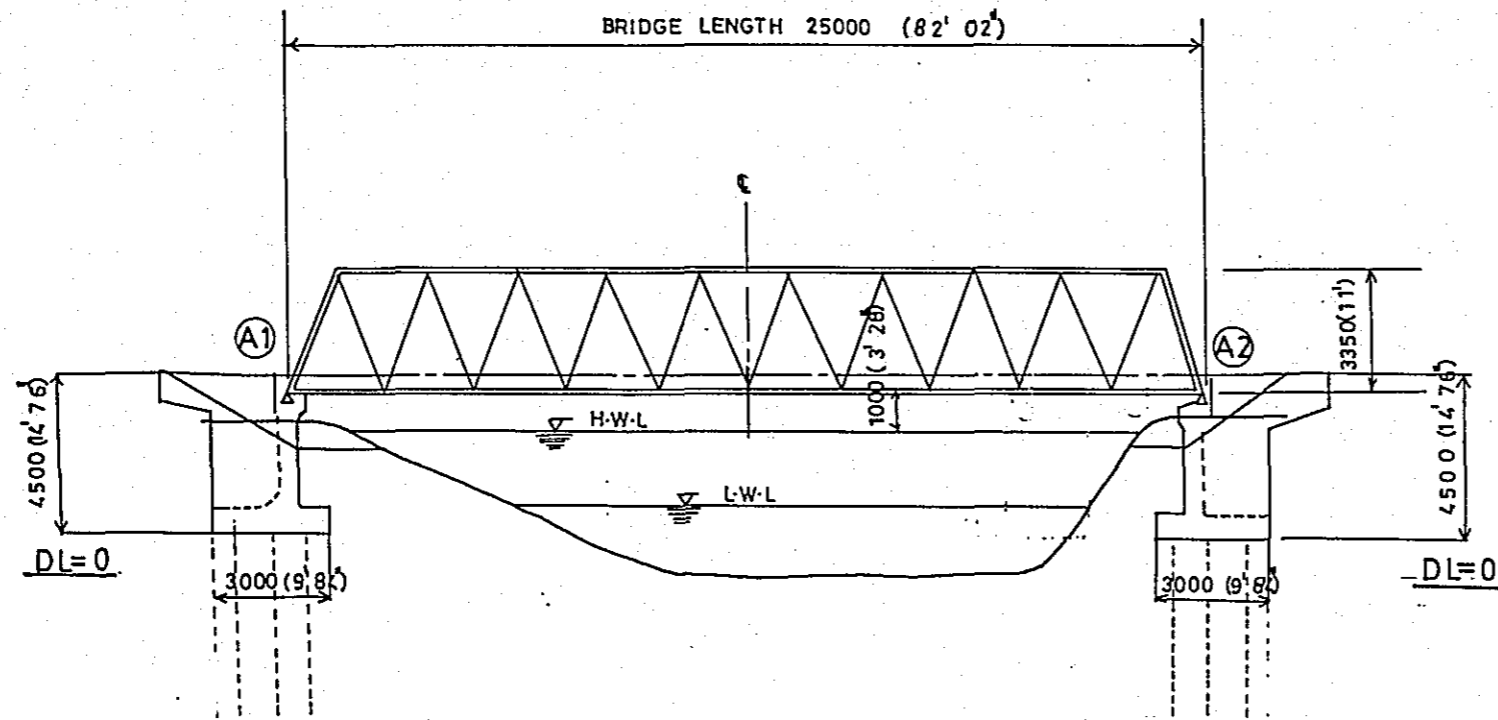
BASIC DESIGN STUDY ON THE PROJECT FOR
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS

BRIDGE NO	LOCATION	SHEET NO
03-04-01	CHITTAGONG	28



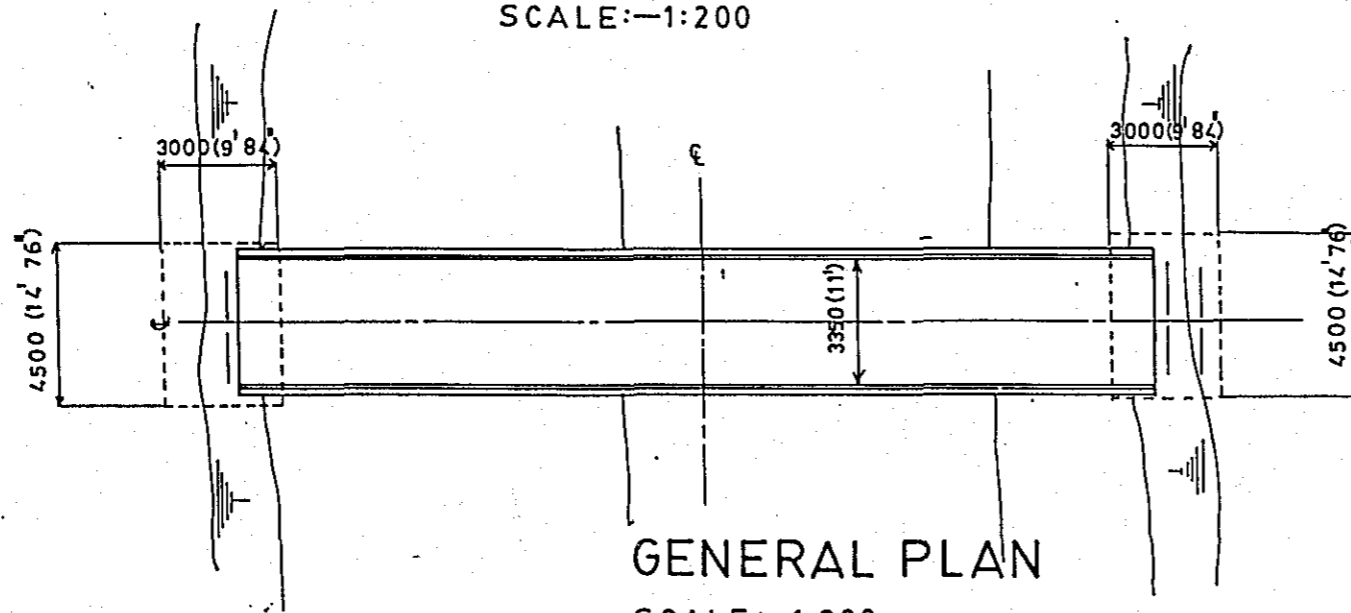
BASIC DESIGN STUDY ON THE PROJECT FOR
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS

BRIDGE NO	LOCATION	SHEET NO
03-05-01	CHITTAGONG	29



GENERAL ELEVATION

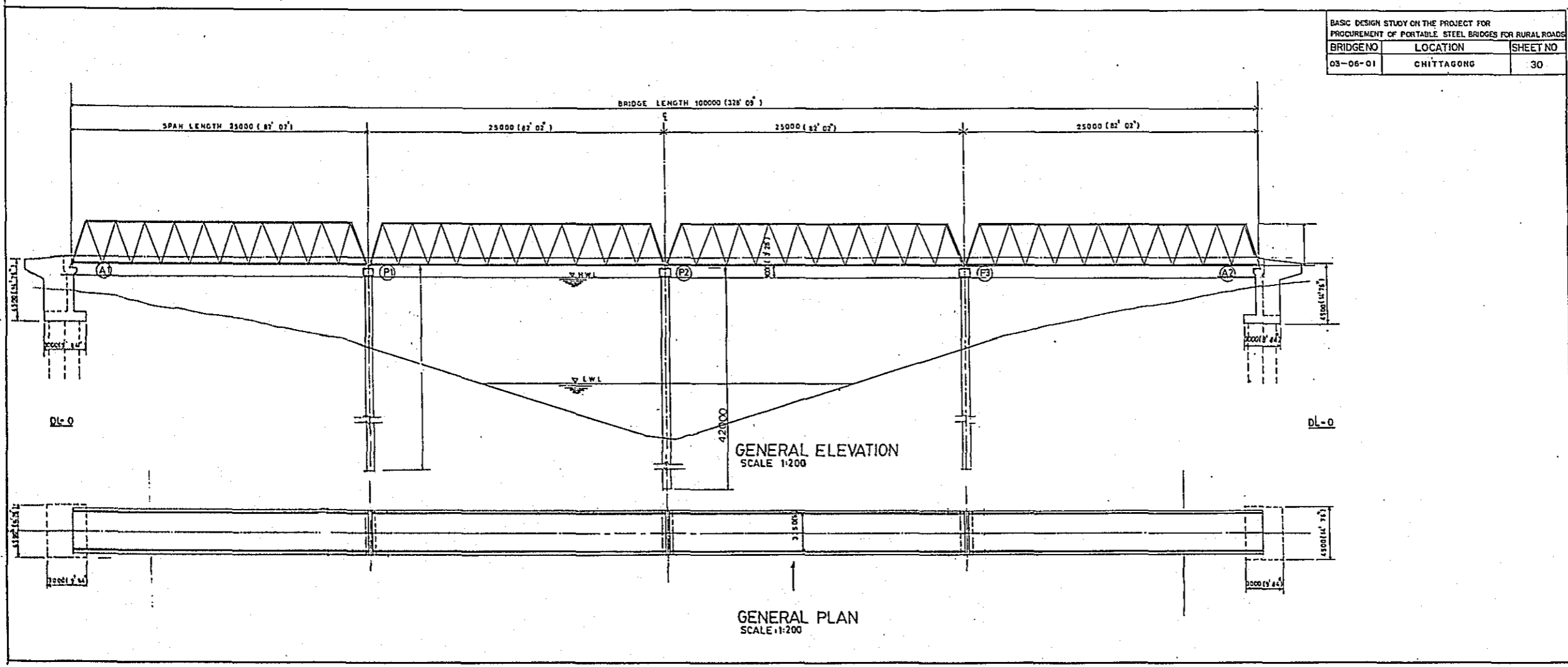
SCALE:-1:200



GENERAL PLAN

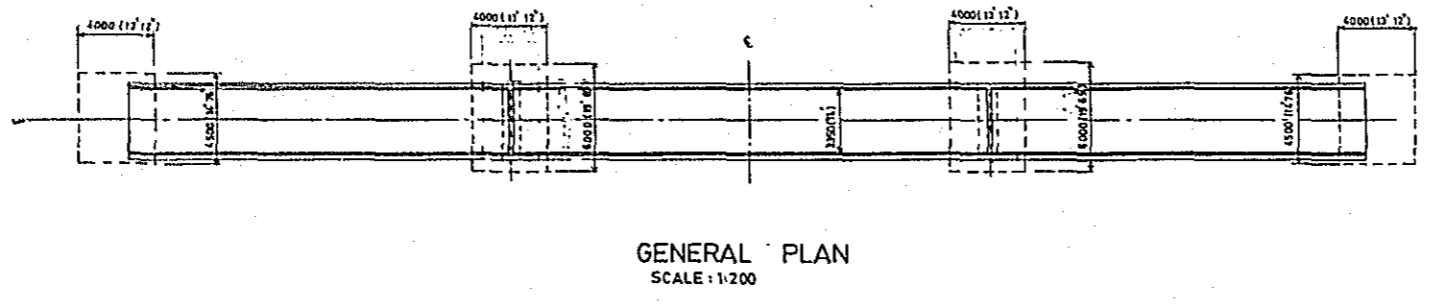
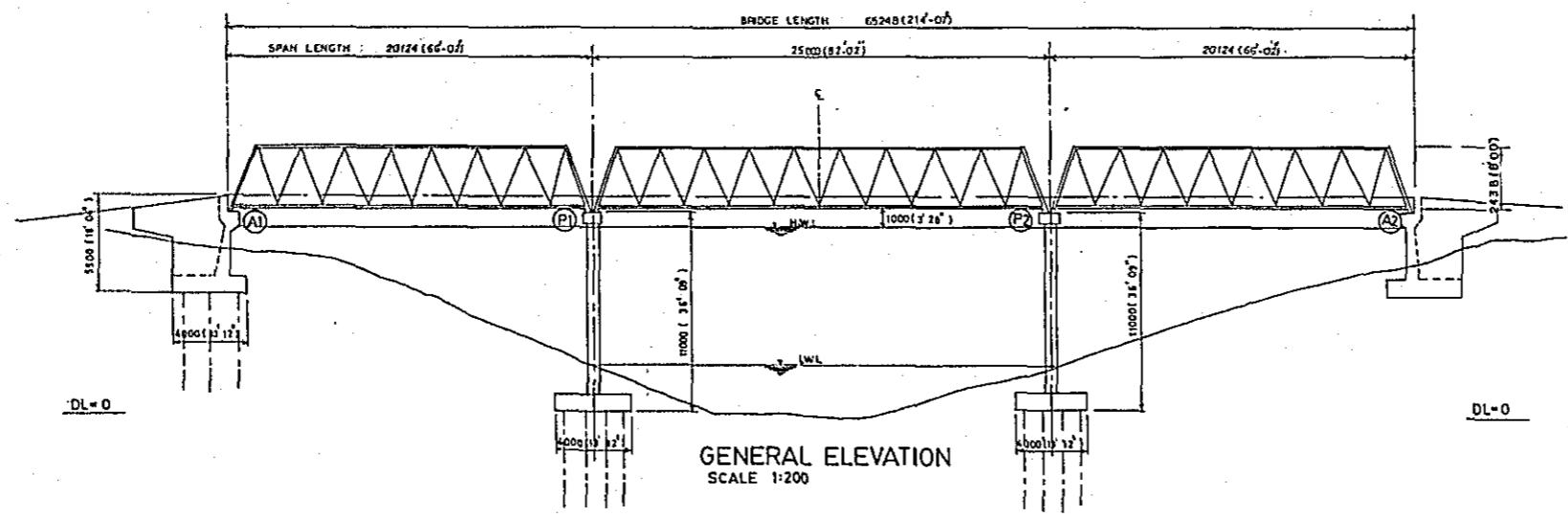
SCALE:-1:200

BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDGE NO	LOCATION	SHEET NO
03-06-01	CHITTAGONG	30

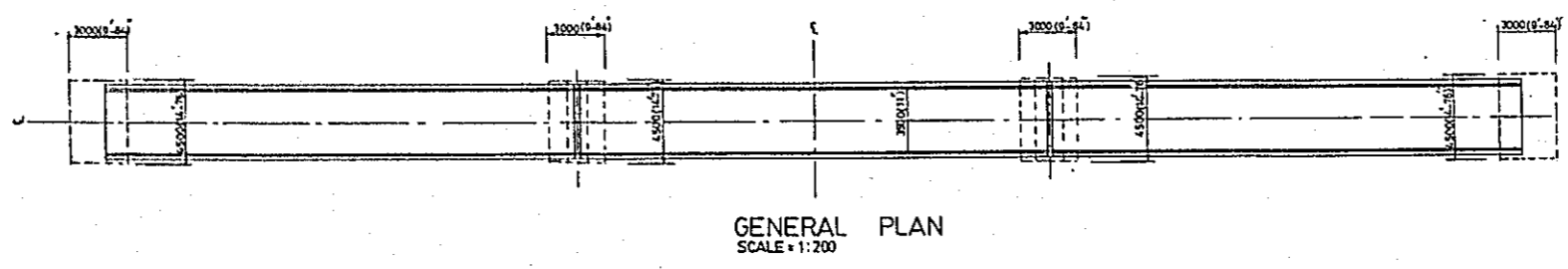
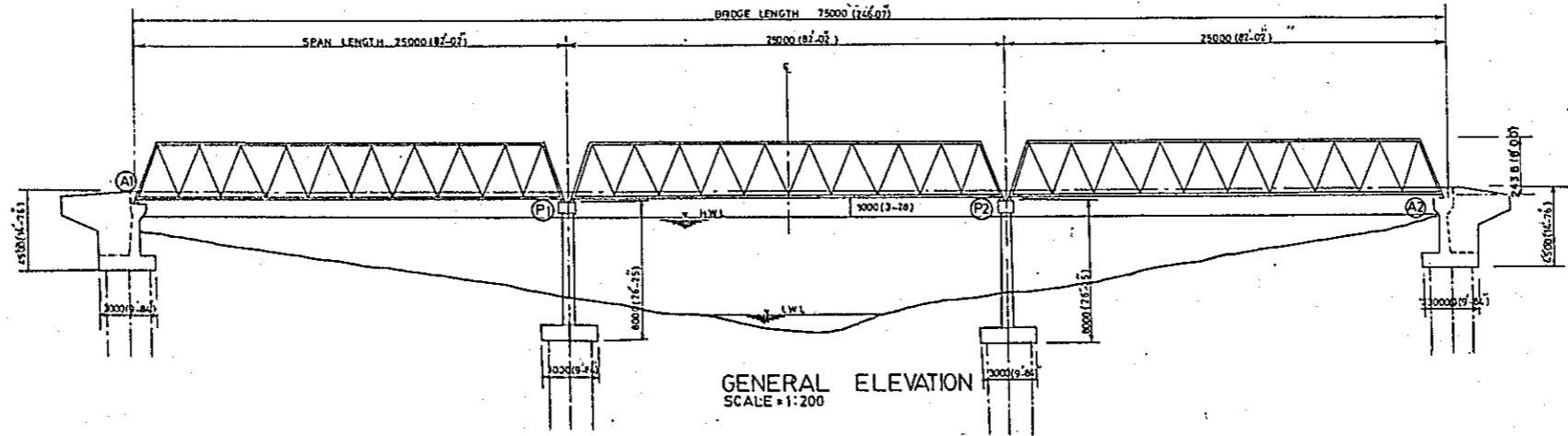


2

BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDGE NO	LOCATION	SHEET NO
04-01-01	HABIGANJ	31

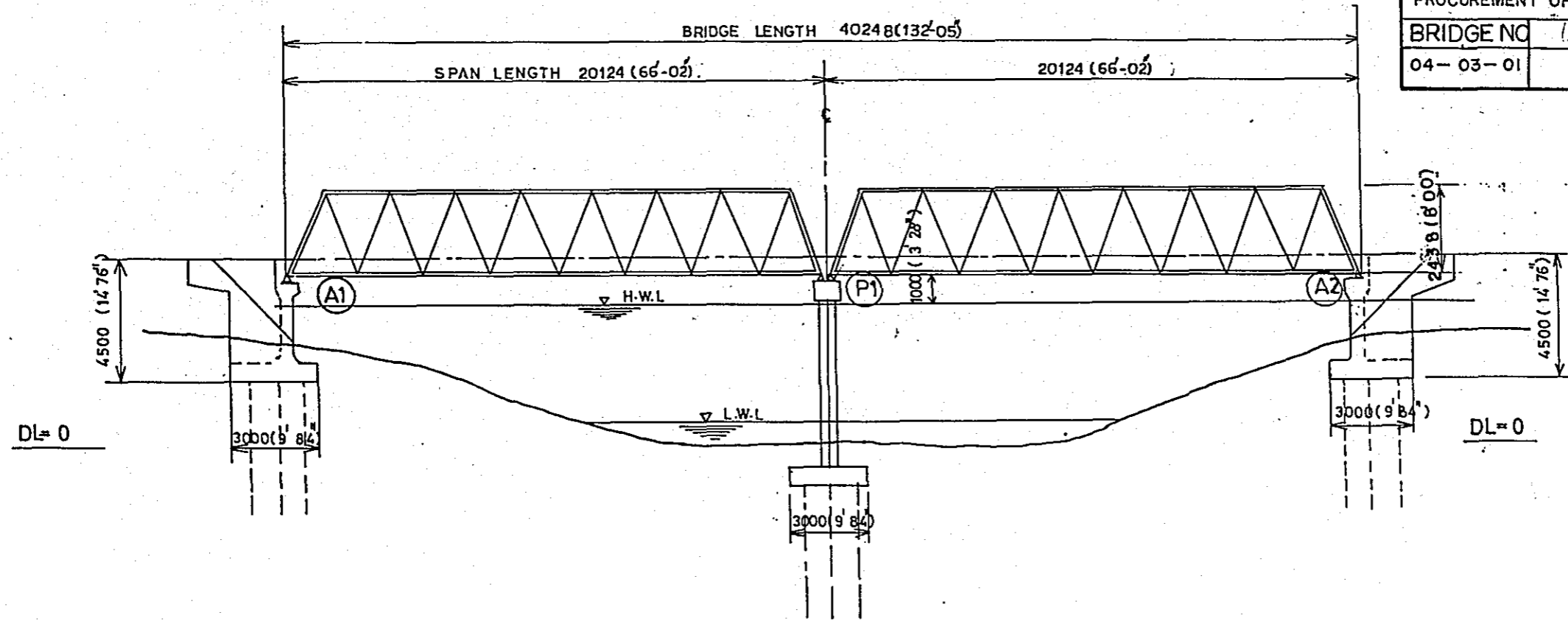


BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDGE NO	LOCATION	SHEET NO
04-02-01	HABIGANJ	32

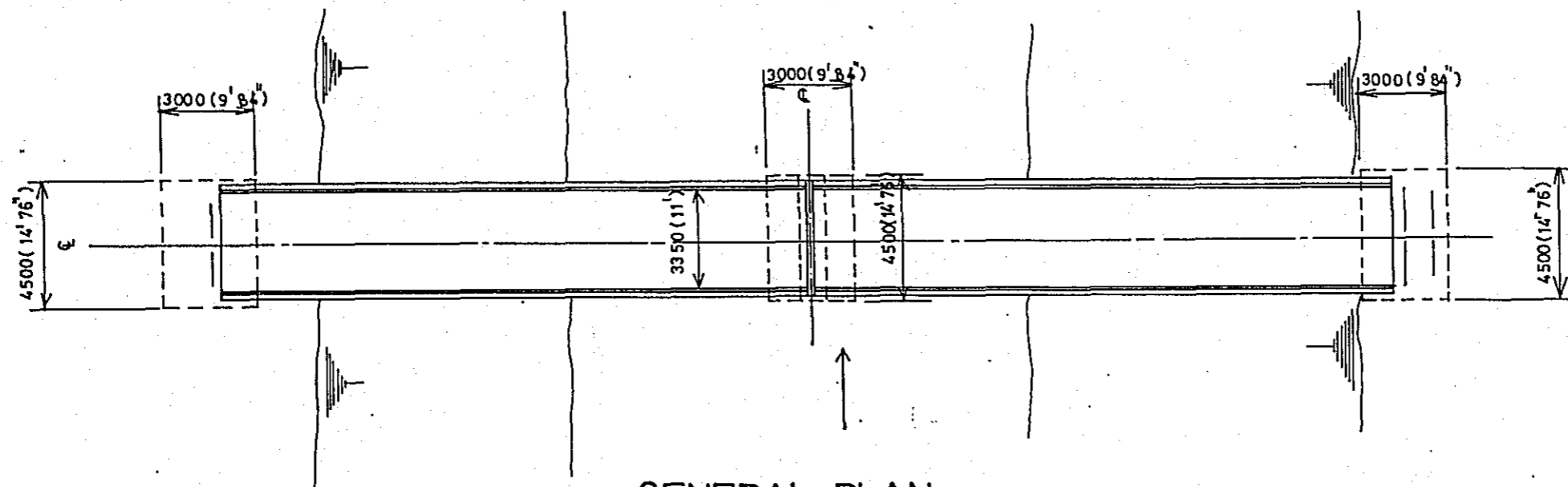


BASIC DESIGN STUDY ON THE PROJECT FOR
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS

BRIDGE NO	LOCATION	SHEET NO
04-03-01	HABIGANJ	33

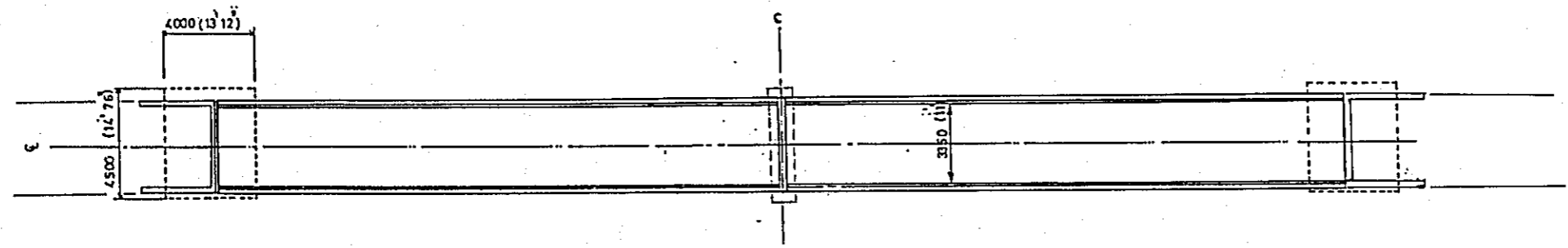
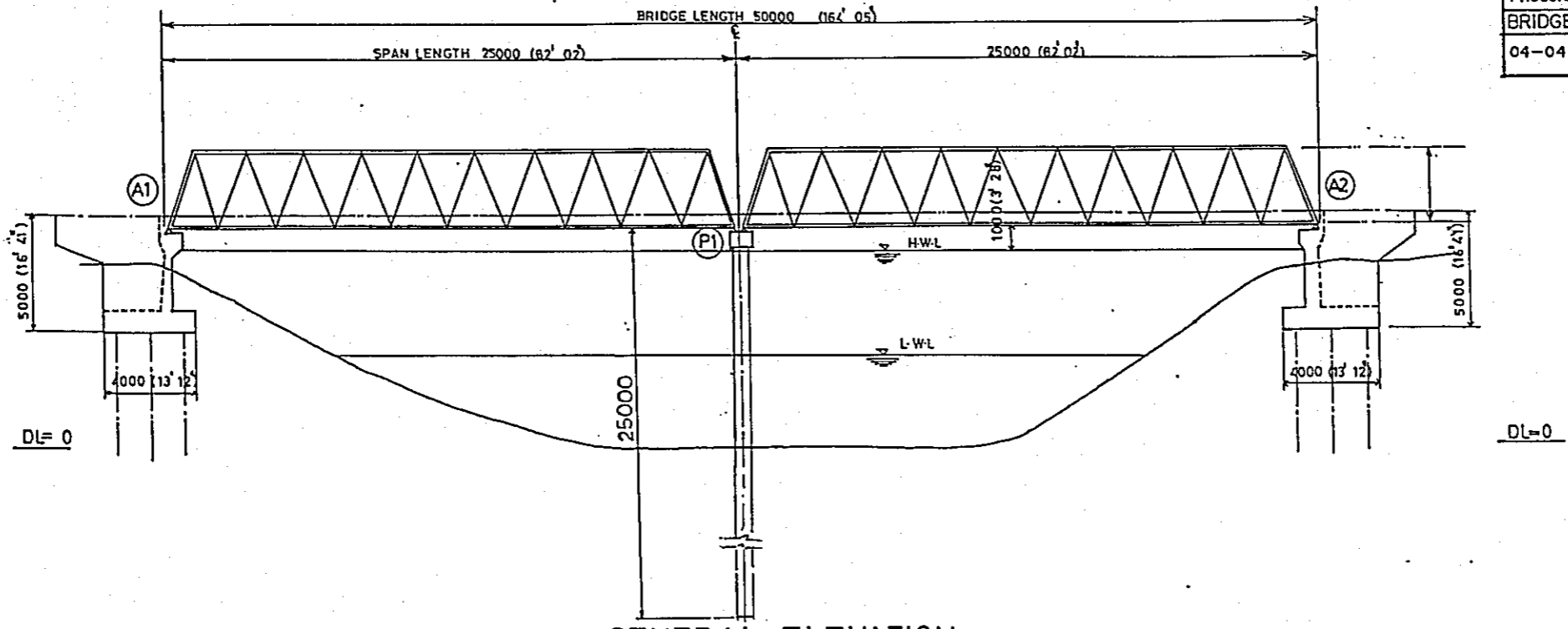


GENERAL ELEVATION
SCALE : 1:200



GENERAL PLAN
SCALE : 1:200

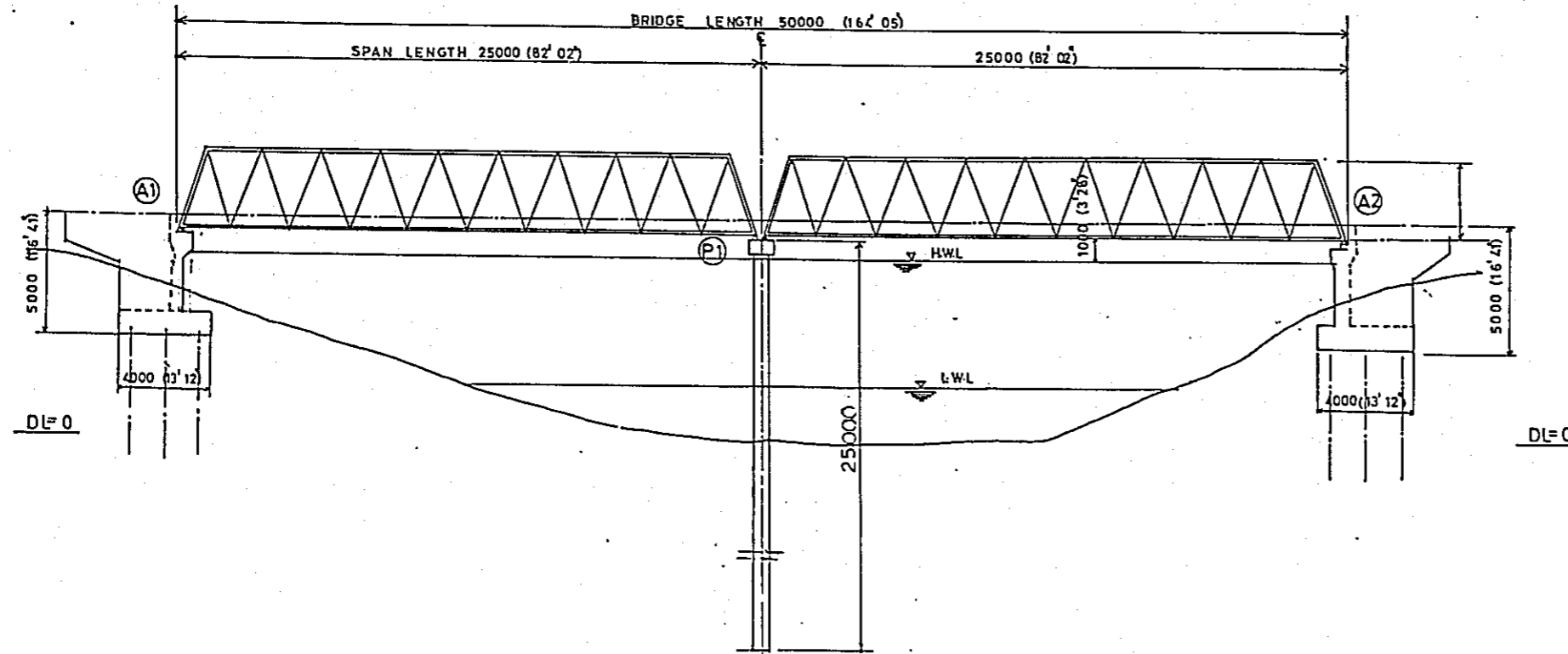
BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDGE NO	LOCATION	SHEET NO
04-04-01	HABIGANJ	34



GENERAL ELEVATION
SCALE: -1: 200

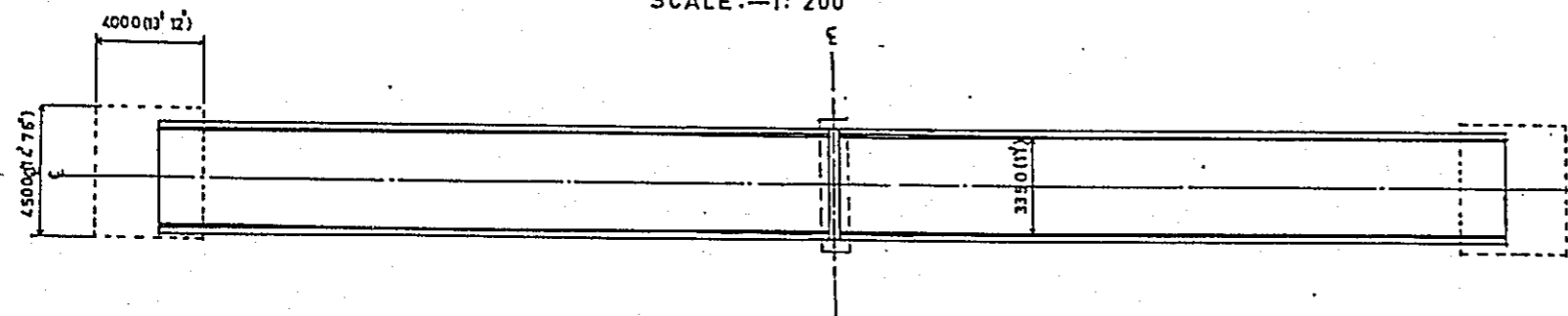
GENERAL PLAN
SCALE: -1: 200

BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDGE NO	LOCATION	SHEET NO
04-04-02	HABIGANJ	35



GENERAL ELEVATION

SCALE:—1: 200

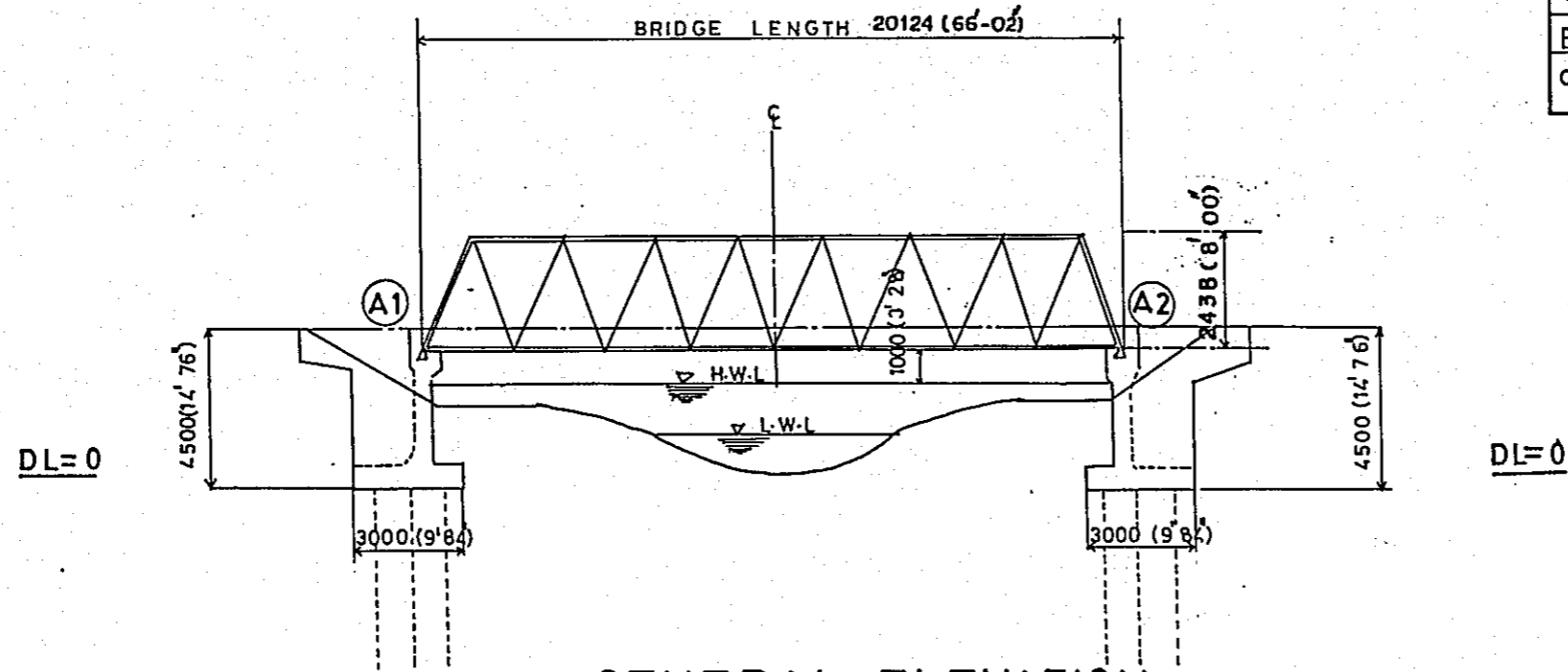


GENERAL PLAN

SCALE:—1:200

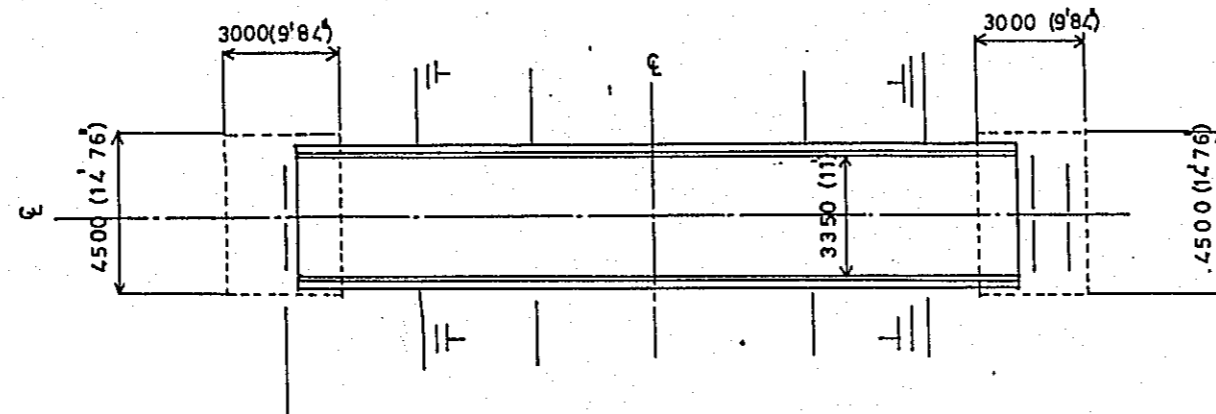
BASIC DESIGN STUDY ON THE PROJECT FOR
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS

BRIDGE NO	LOCATION	SHEET NO
05-01-01	MOULVIBAZAR	36



GENERAL ELEVATION

SCALE:-1:200

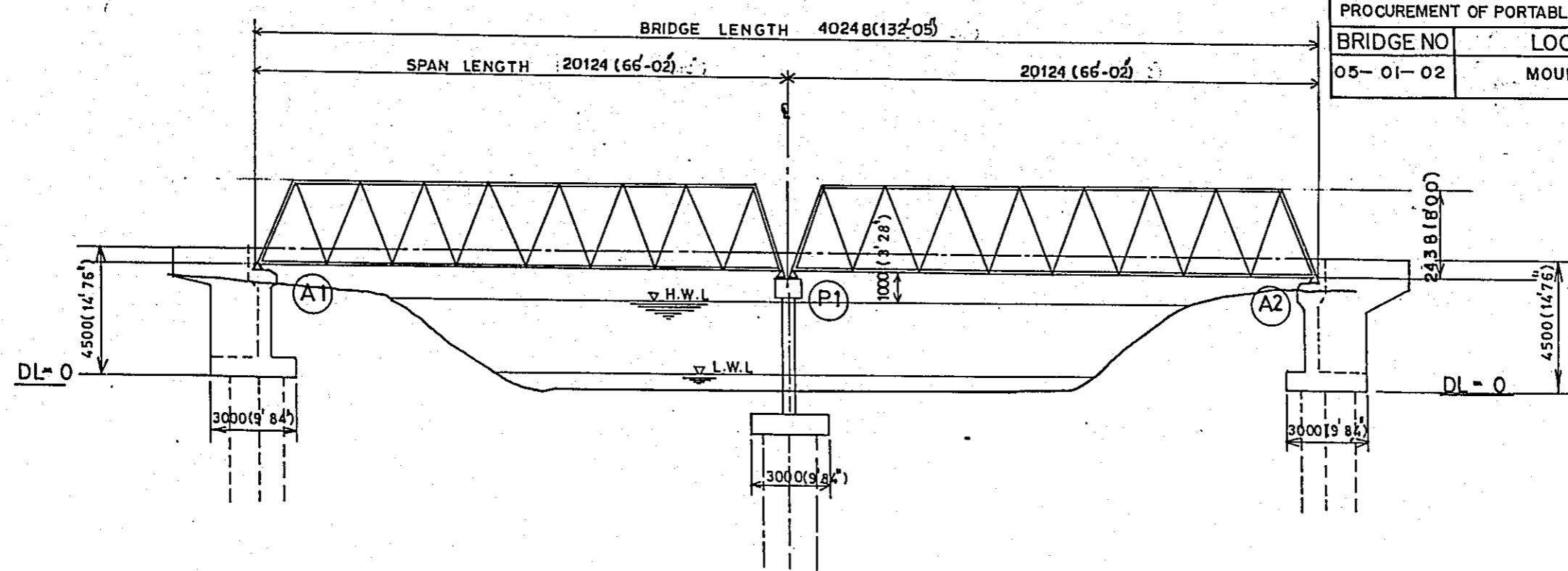


GENERAL PLAN

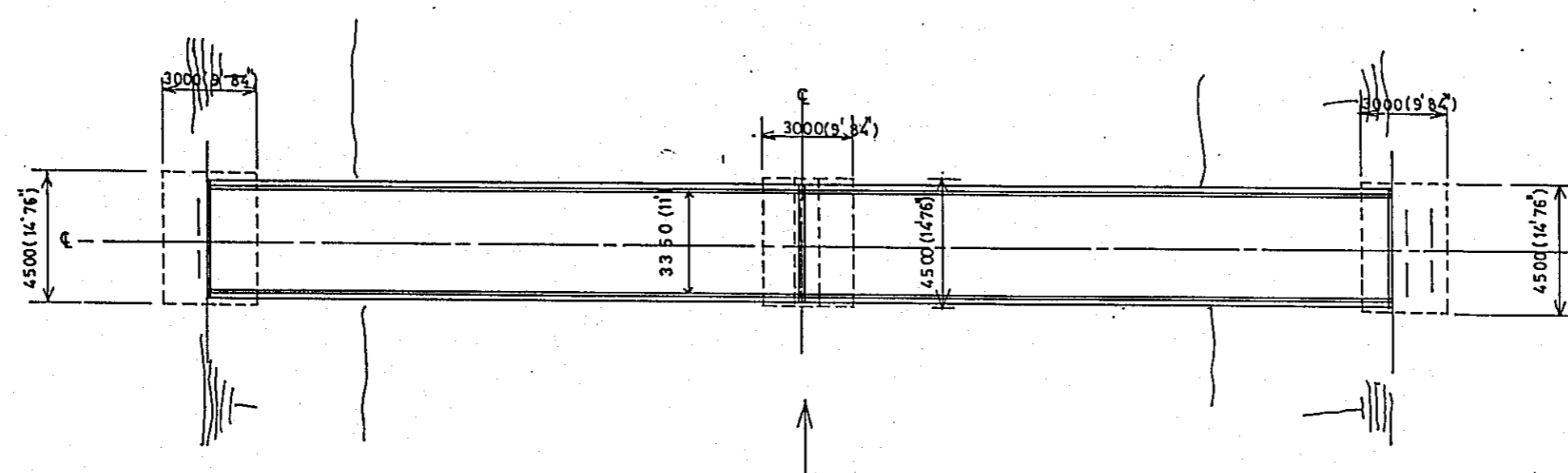
SCALE:-1:200

BASIC DESIGN STUDY ON THE PROJECT FOR
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS

BRIDGE NO	LOCATION	SHEET NO
05-01-02	MOULVIBAZAR	37

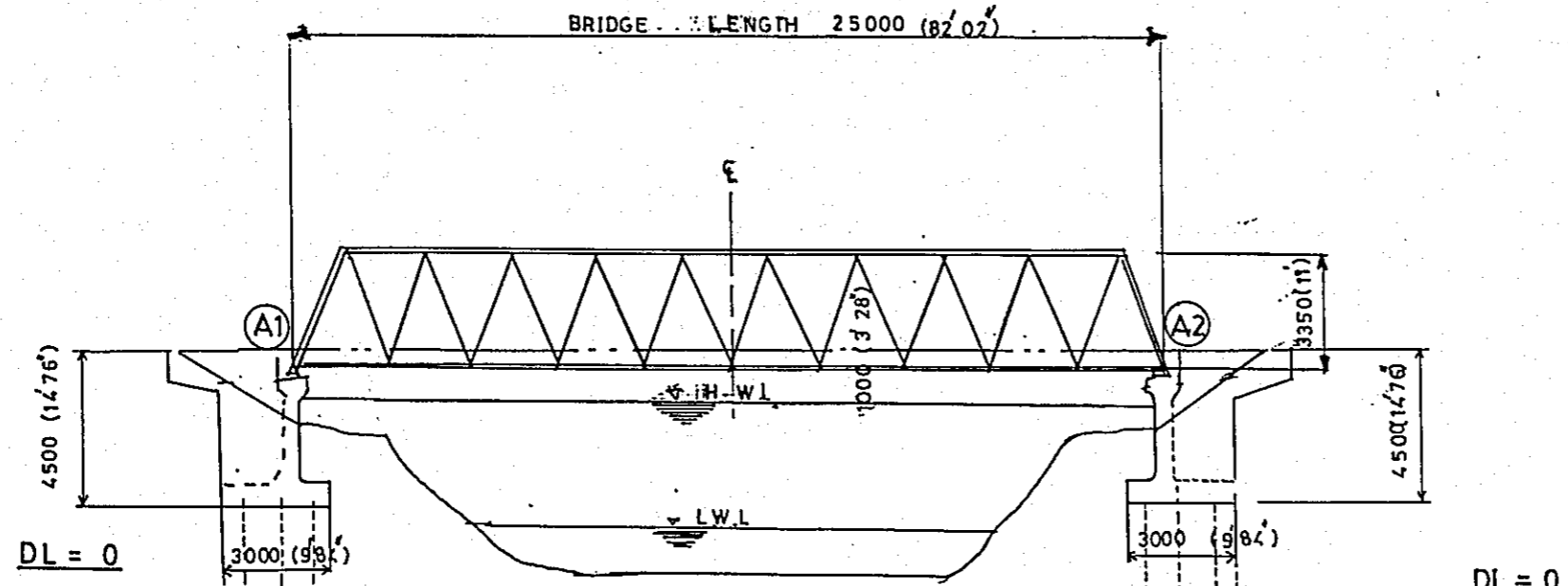


GENERAL ELEVATION
SCALE 1:200

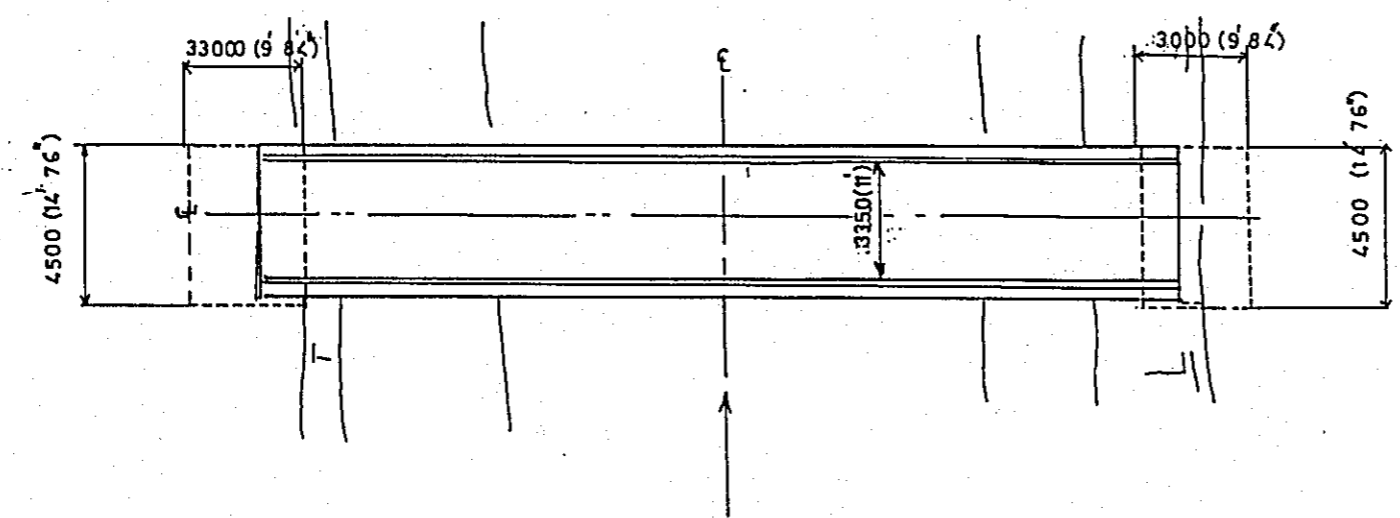


GENERAL PLAN
SCALE 1:200

BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDGE NO	LOCATION	SHEET NO
05-02-01	MOULVIBAZAR	38

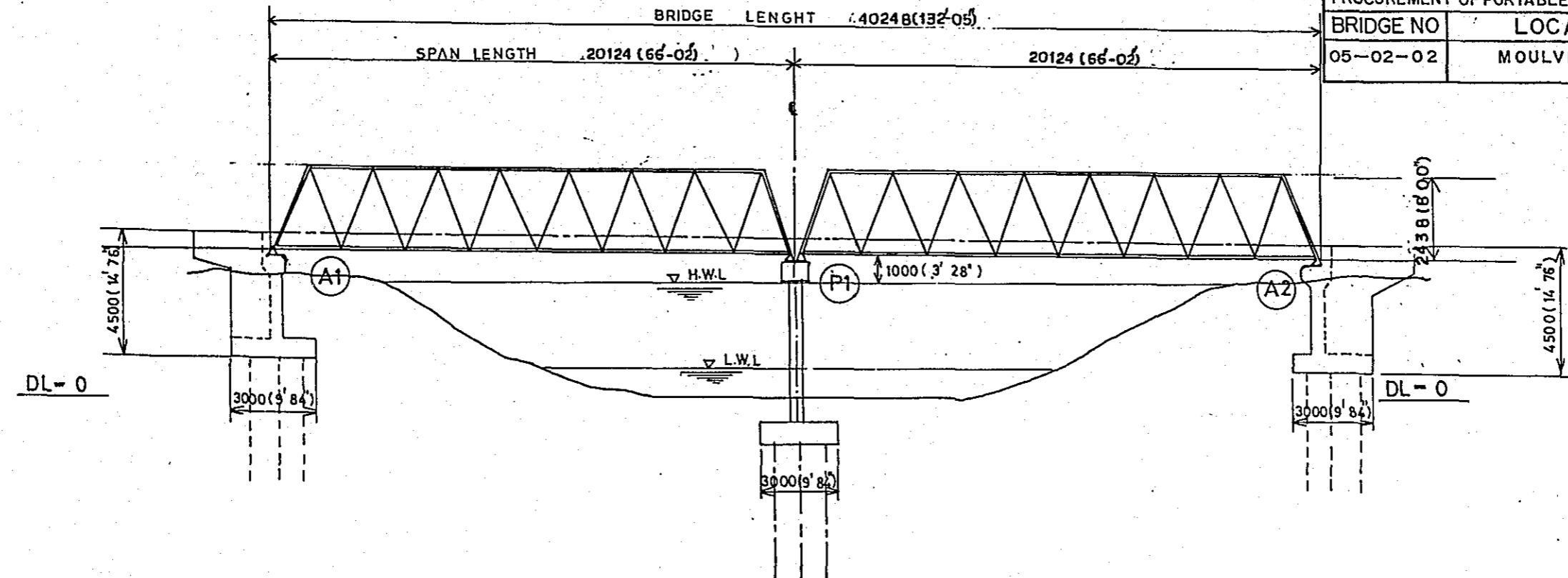


GENERAL ELEVATION
SCALE 1 : 200

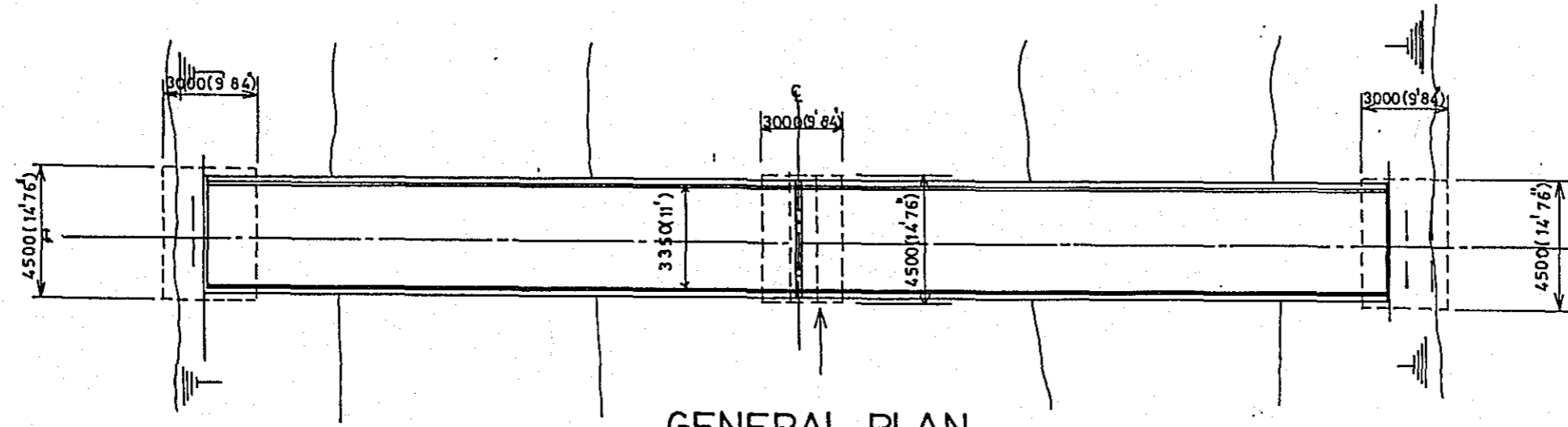


GENERAL PLAN
SCALE 1 : 200

BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDGE NO	LOCATION	SHEET NO
05-02-02	MOULVIBAZAR	39

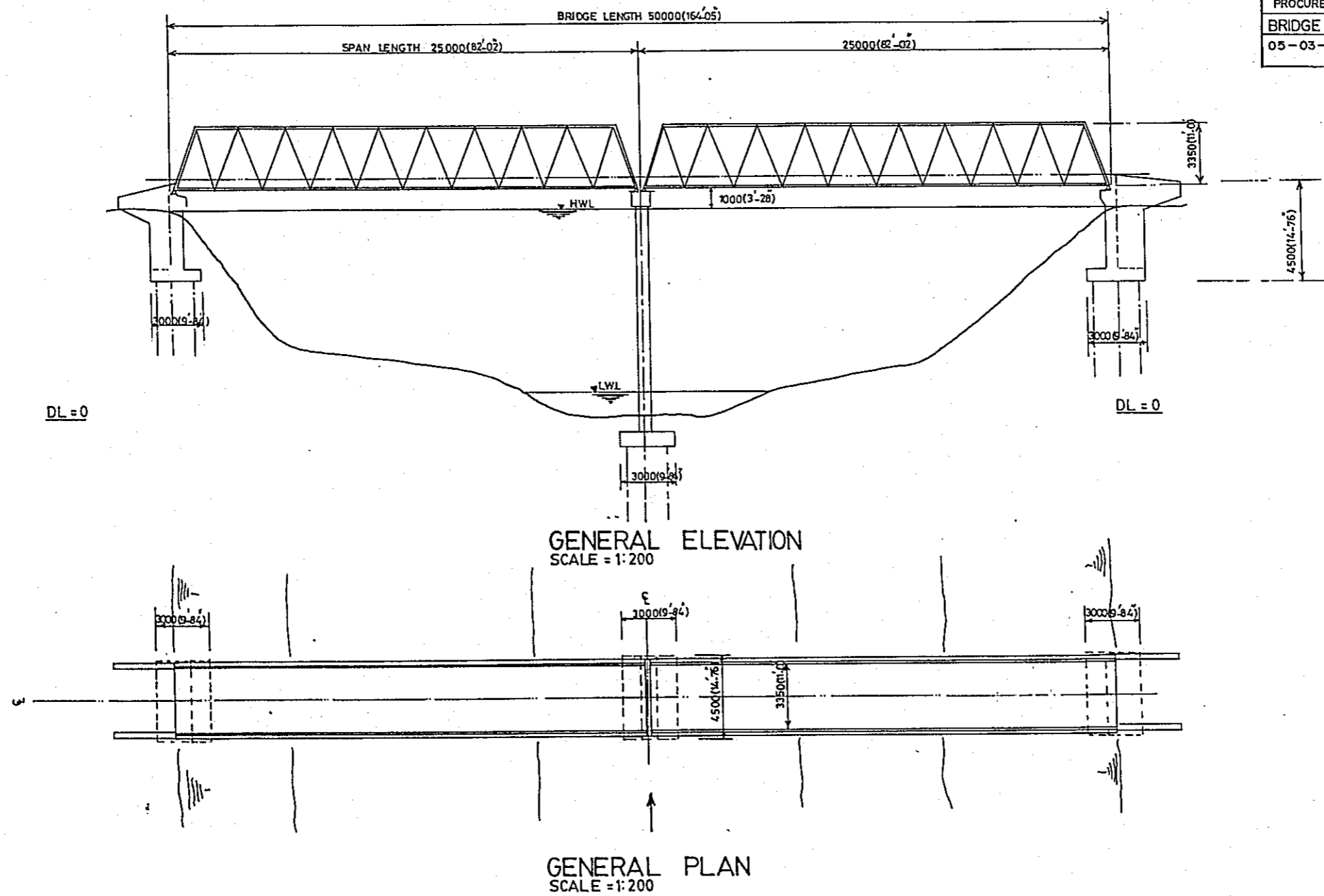


GENERAL ELEVATION
SCALE 1:200



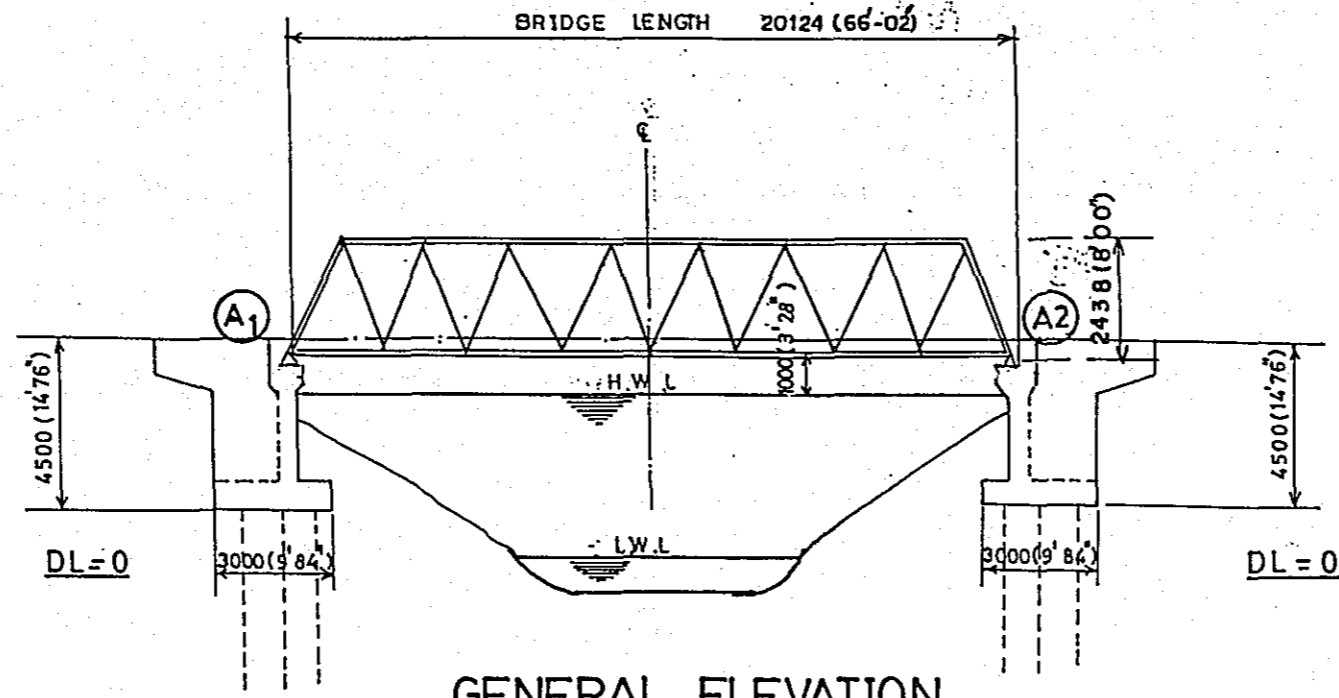
GENERAL PLAN
SCALE 1:200

BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDGE NO	LOCATION	SHEET NO
05-03-01	MOULVI BAZAR	40



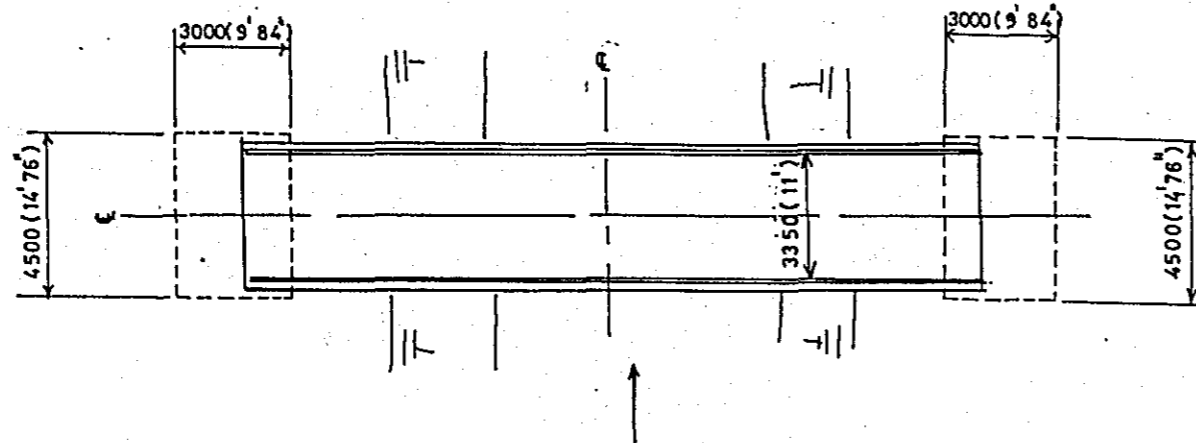
BASIC DESIGN STUDY ON THE PROJECT FOR
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS

BRIDGE NO	LOCATION	SHEET NO
05-04-01	MOULVIBAZAR	41



GENERAL ELEVATION

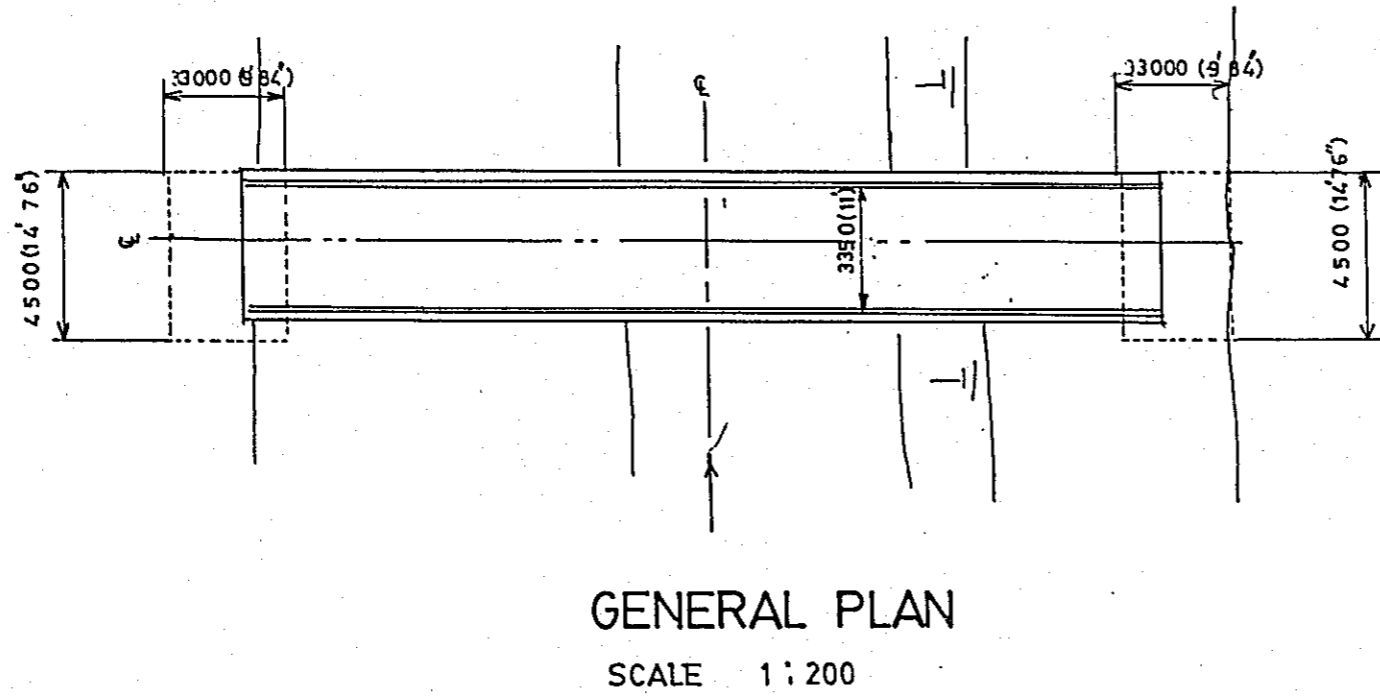
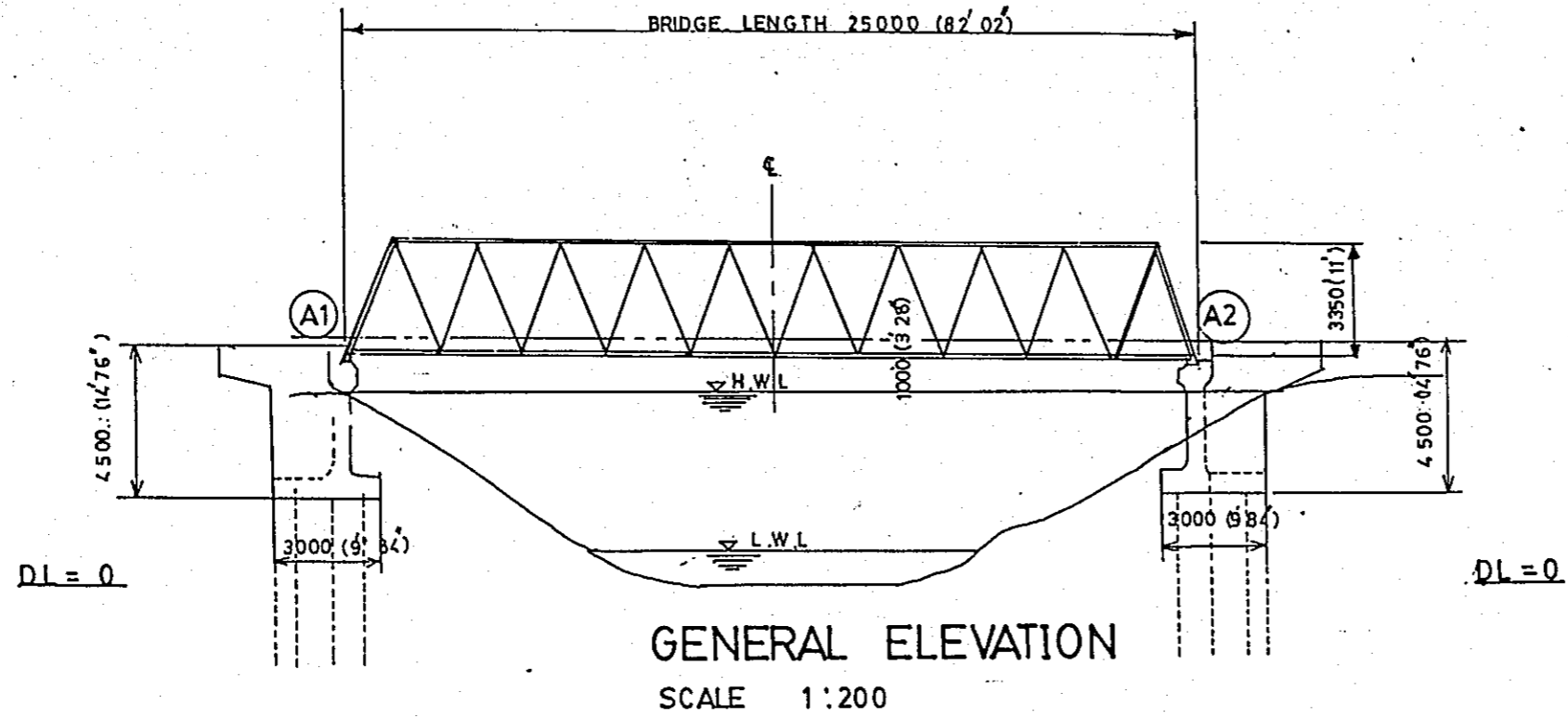
SCALE 1:200



GENERAL PLAN

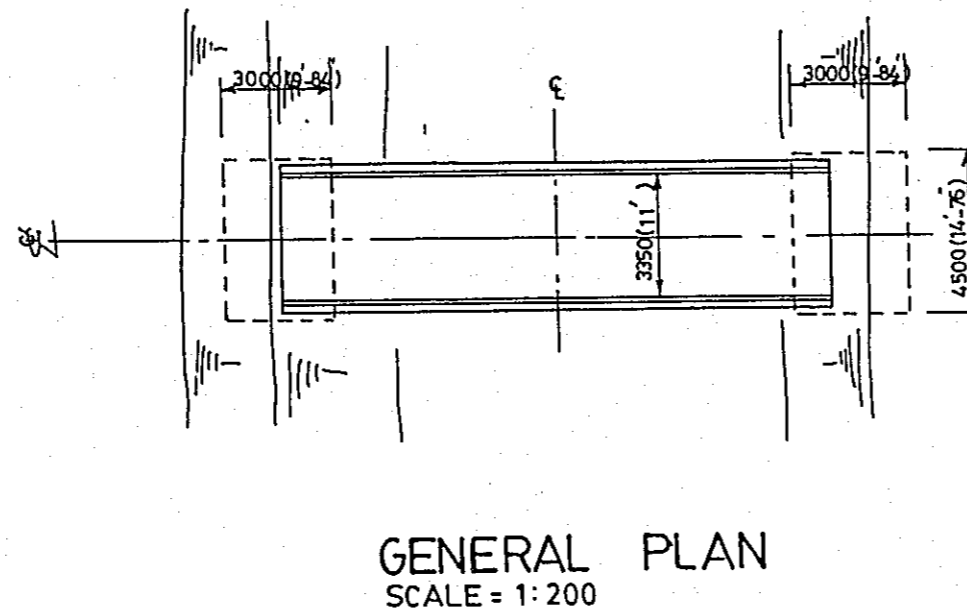
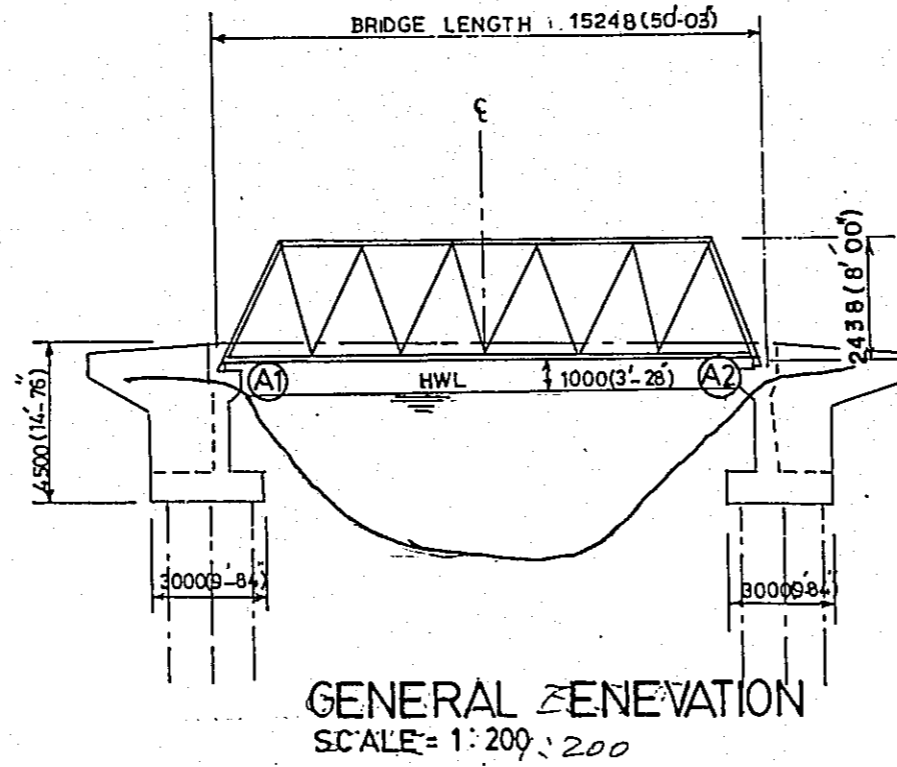
SCALE 1:200

BRIDGE NO	LOCATION	SHEET NO
06-01-01	CHANDPUR	42



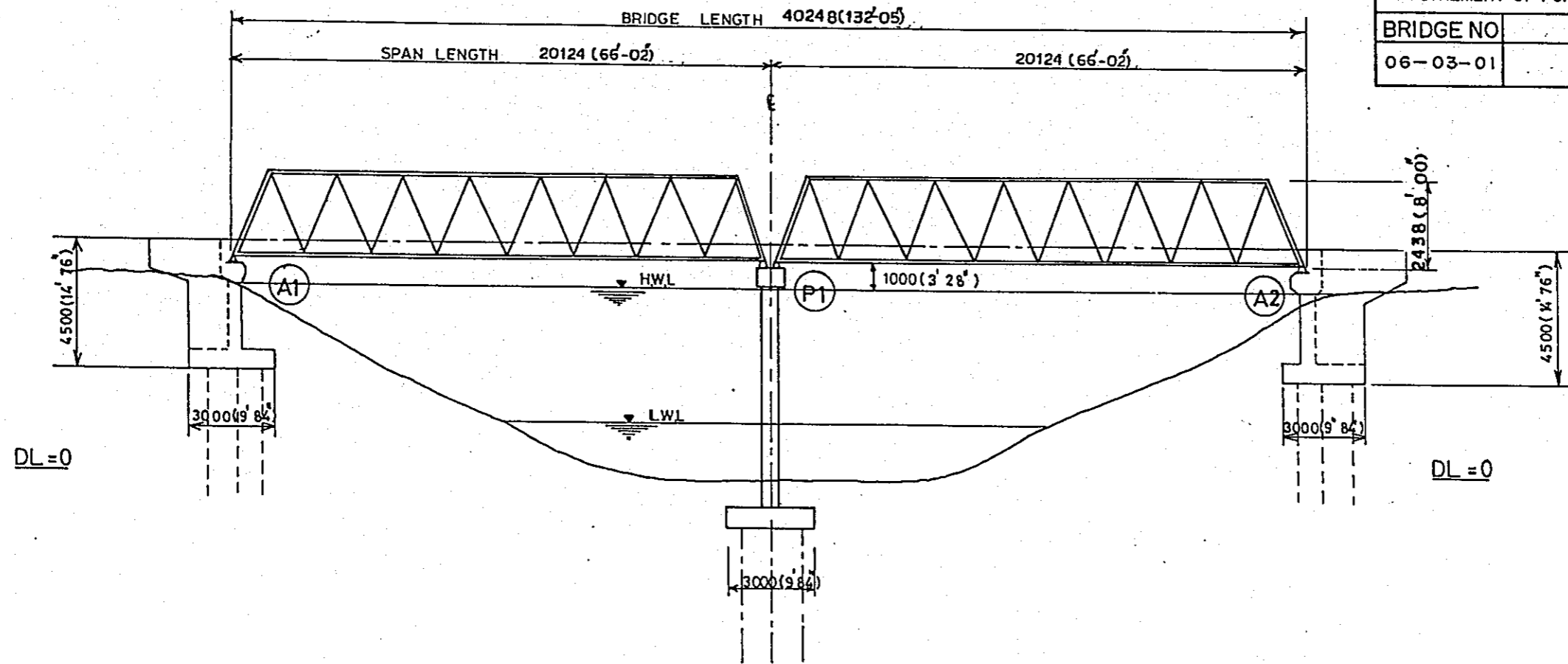
BASIC DESIGN STUDY ON THE PROJECT FOR
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS

BRIDGE NO	LOCATION	SHEET NO
06-02-01	CHANDPUR	43

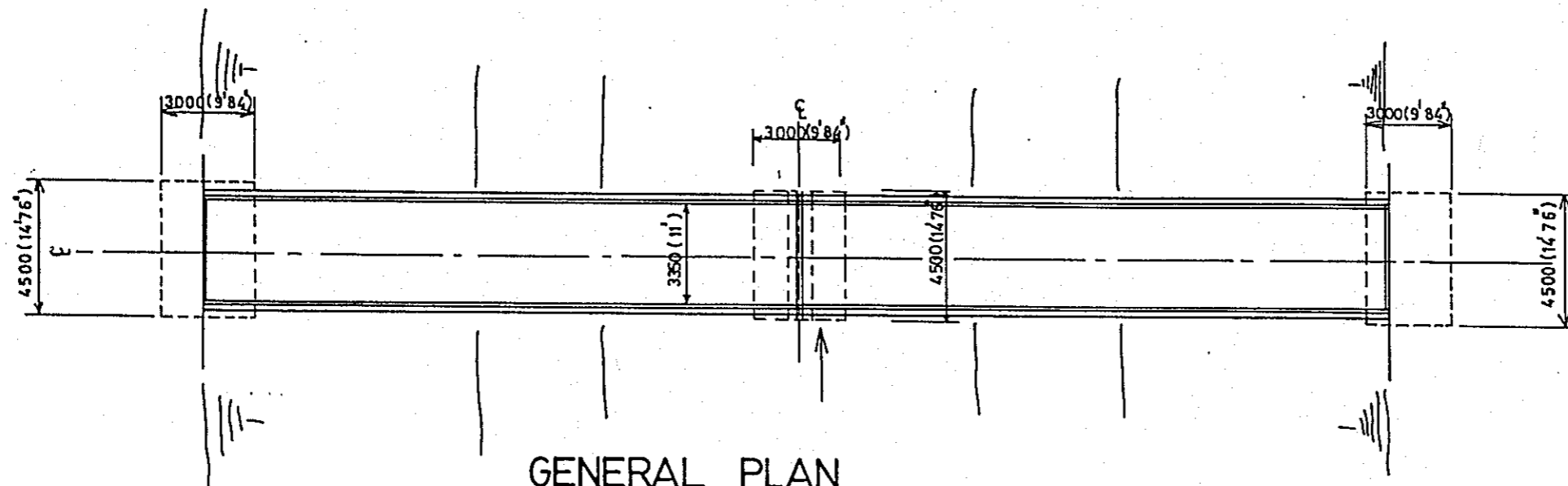


BASIC DESIGN STUDY ON THE PROJECT FOR
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS

BRIDGE NO	LOCATION	SHEET NO
06-03-01	CHANDPUR	44



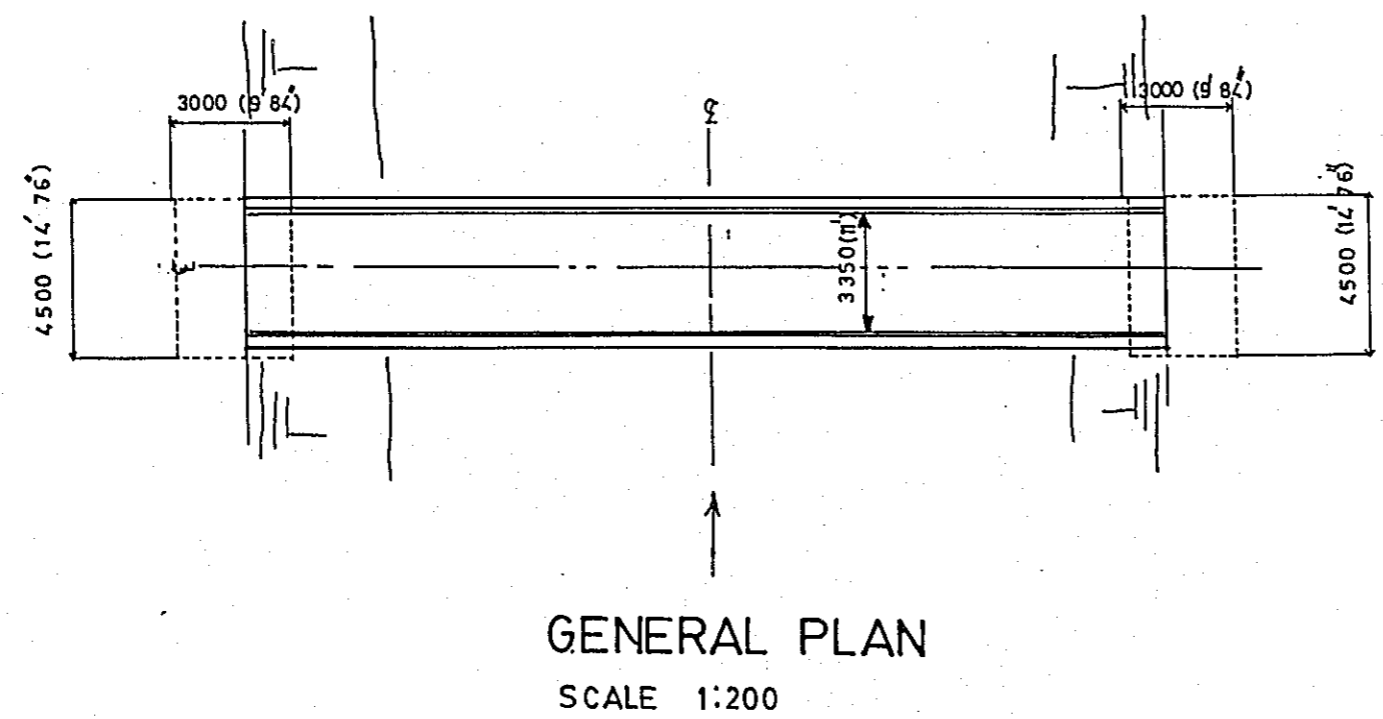
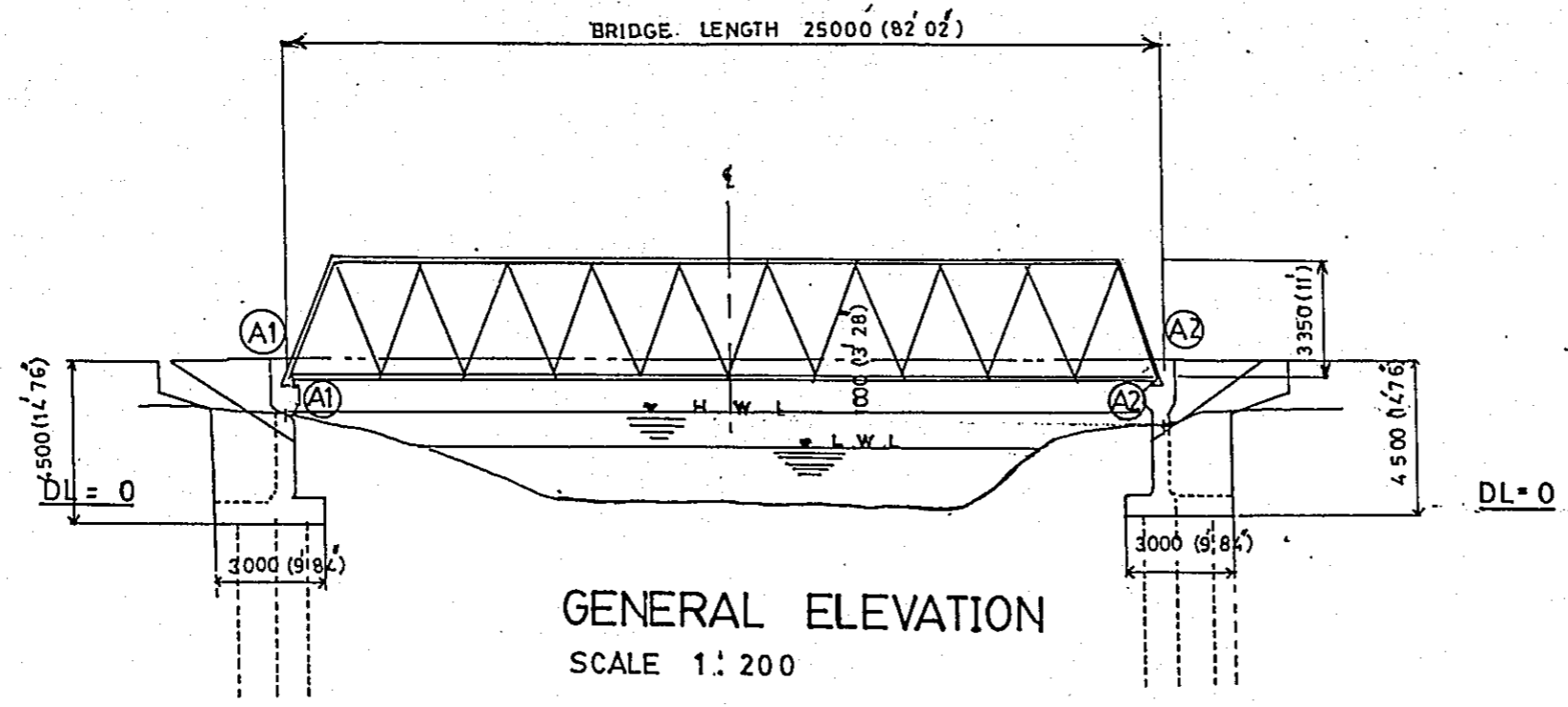
GENERAL ELEVATION
SCALE = 1:200



GENERAL PLAN
SCALE = 1:200

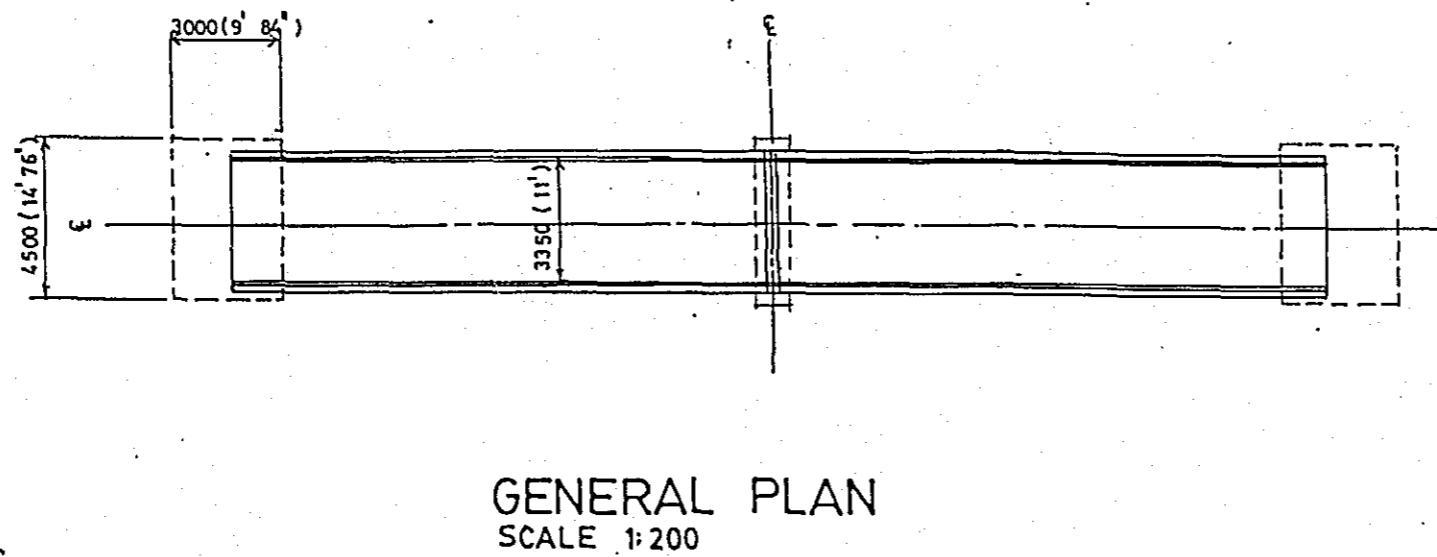
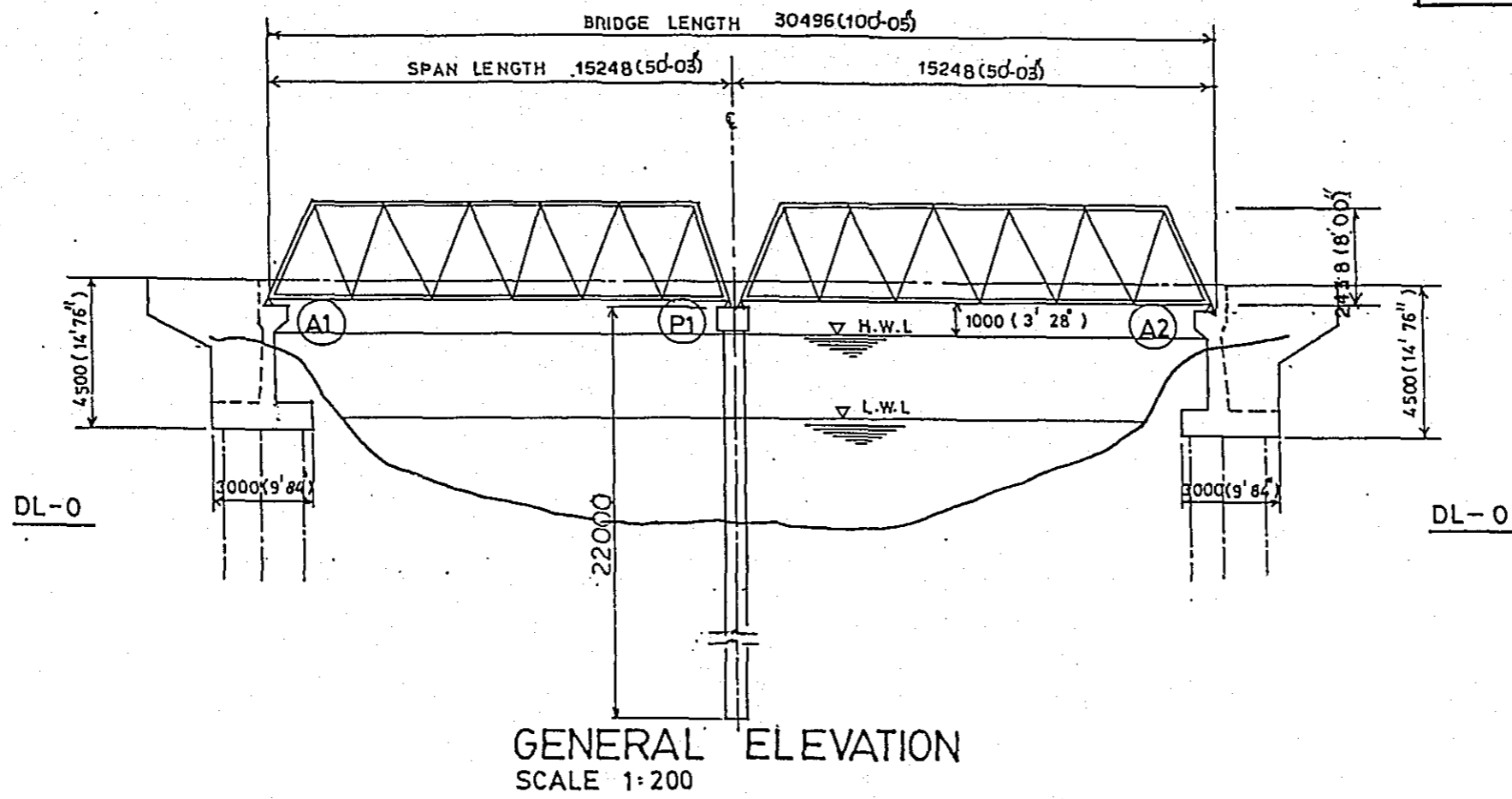
BASIC DESIGN STUDY ON THE PROJECT FOR
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS

BRIDGE NO	LOCATION	SHEET NO
06-03-02	CHANDPUR	45



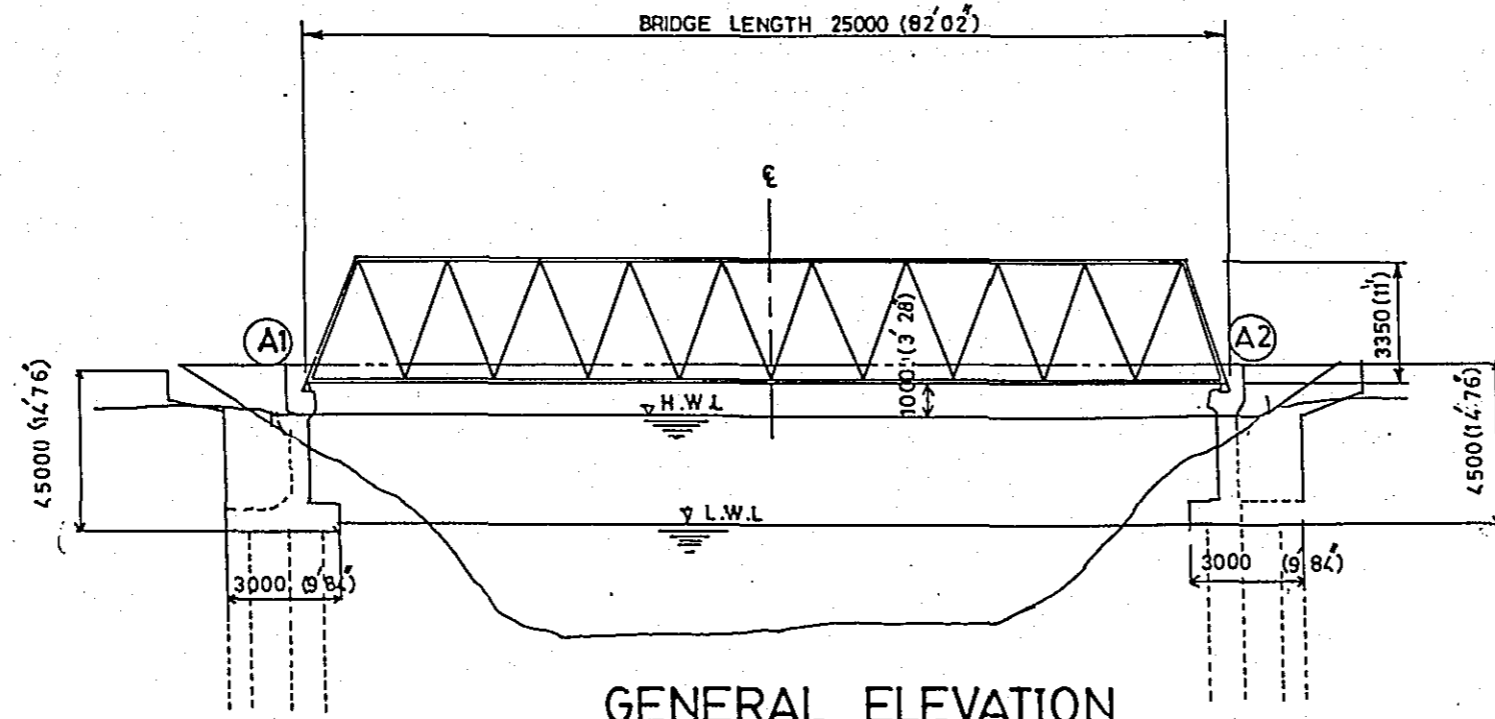
BASIC DESIGN STUDY ON THE PROJECT FOR
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS

BRIDGE NO	LOCATION	SHEET NO
06-04-01	CHANDPUR	46

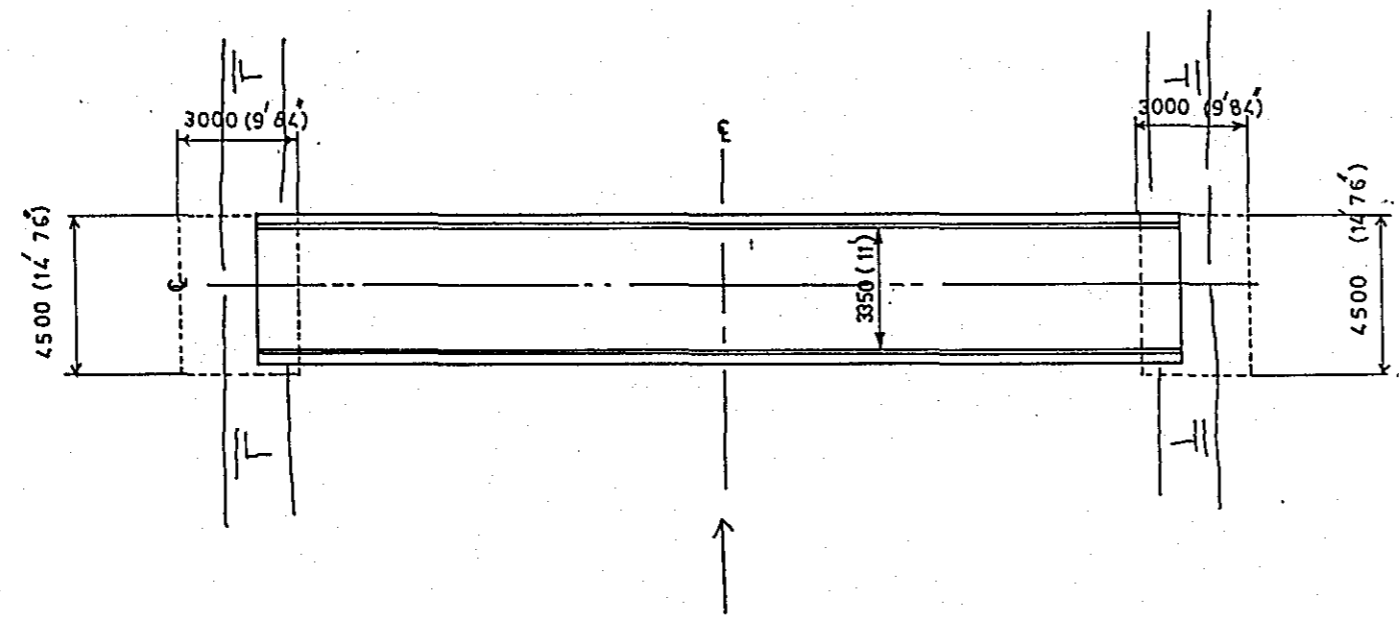


BASIC DESIGN STUDY ON THE PROJECT FOR
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS

BRIDGE NO	LOCATION	SHEET NO
06-04-02	CHANDPUR	47



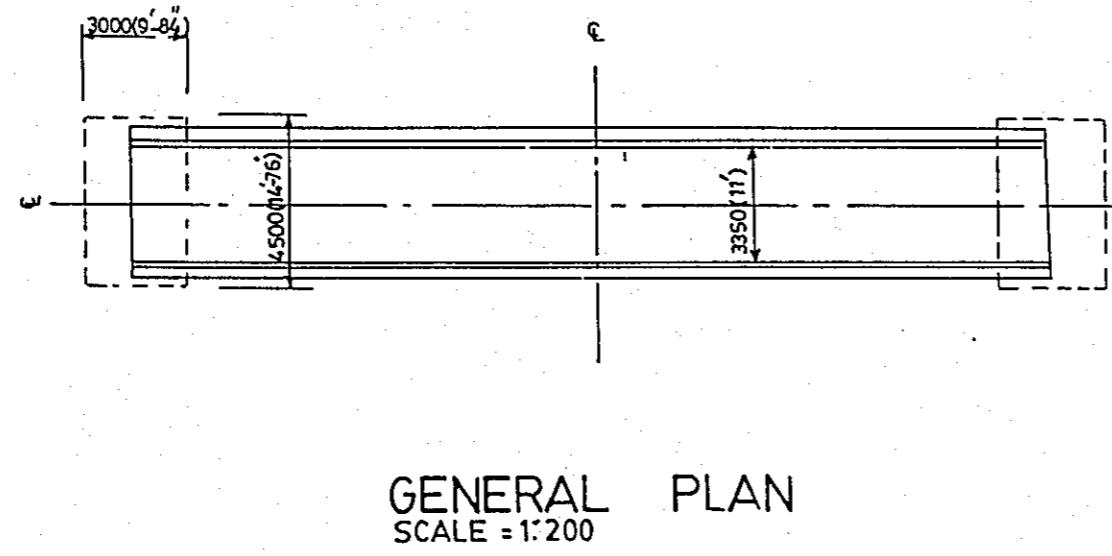
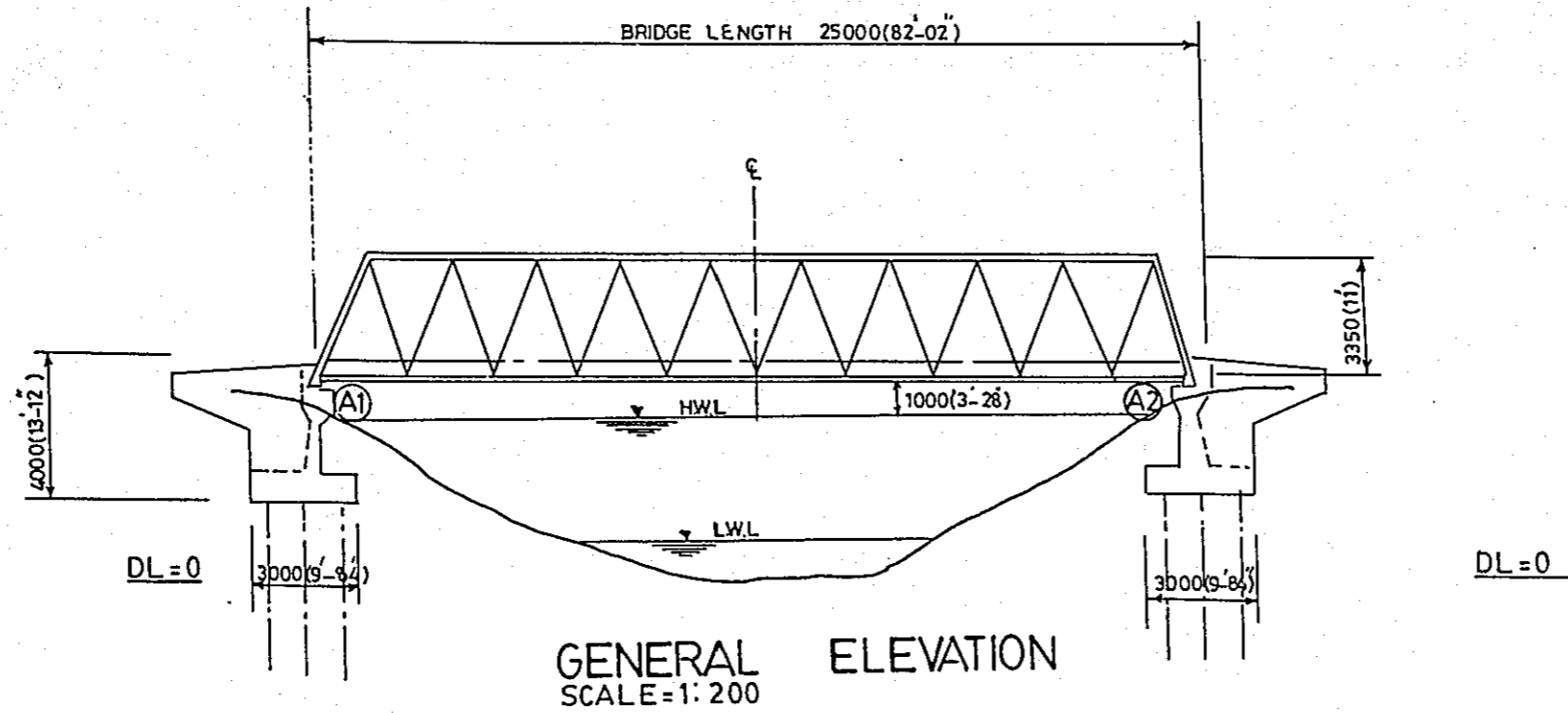
GENERAL ELEVATION
SCALE 1:200



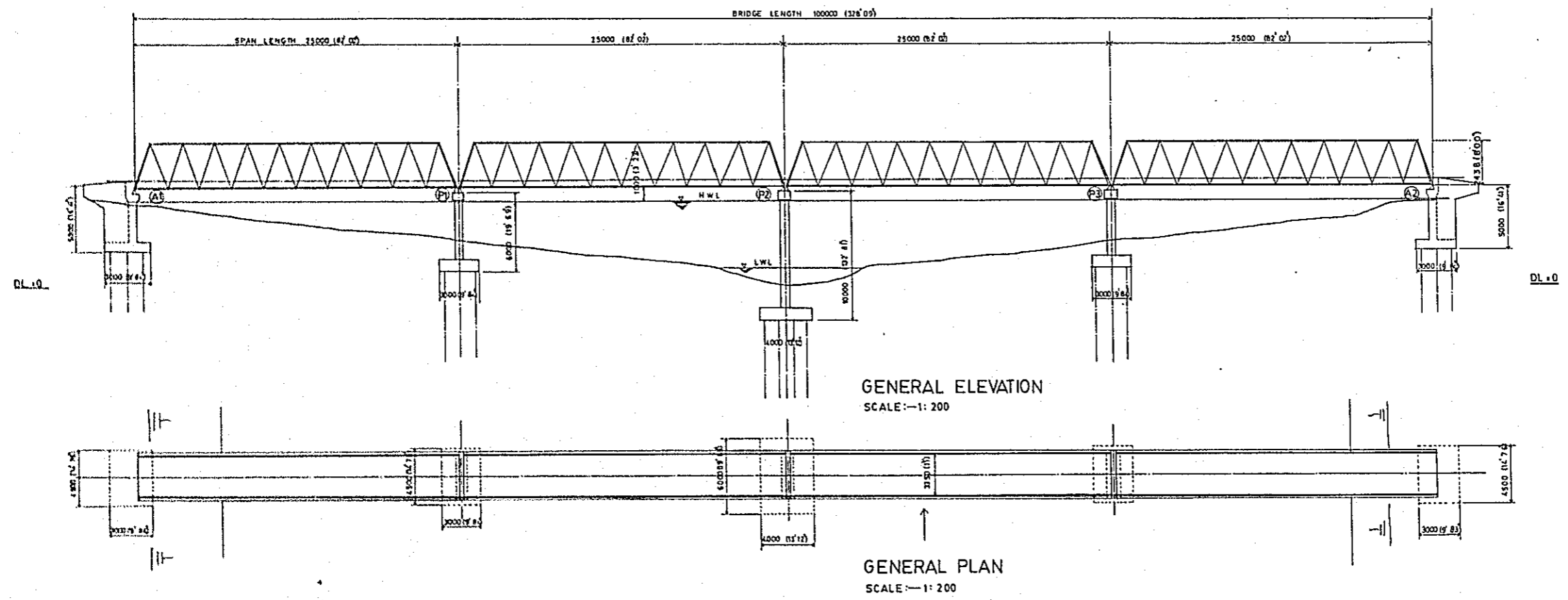
GENERAL PLAN
SCALE 1:200

BASIC DESIGN STUDY ON THE PROJECT FOR
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROAD

BRIDGE NO	LOCATION	SHEET NO
07-01-01	B. BARIA	48

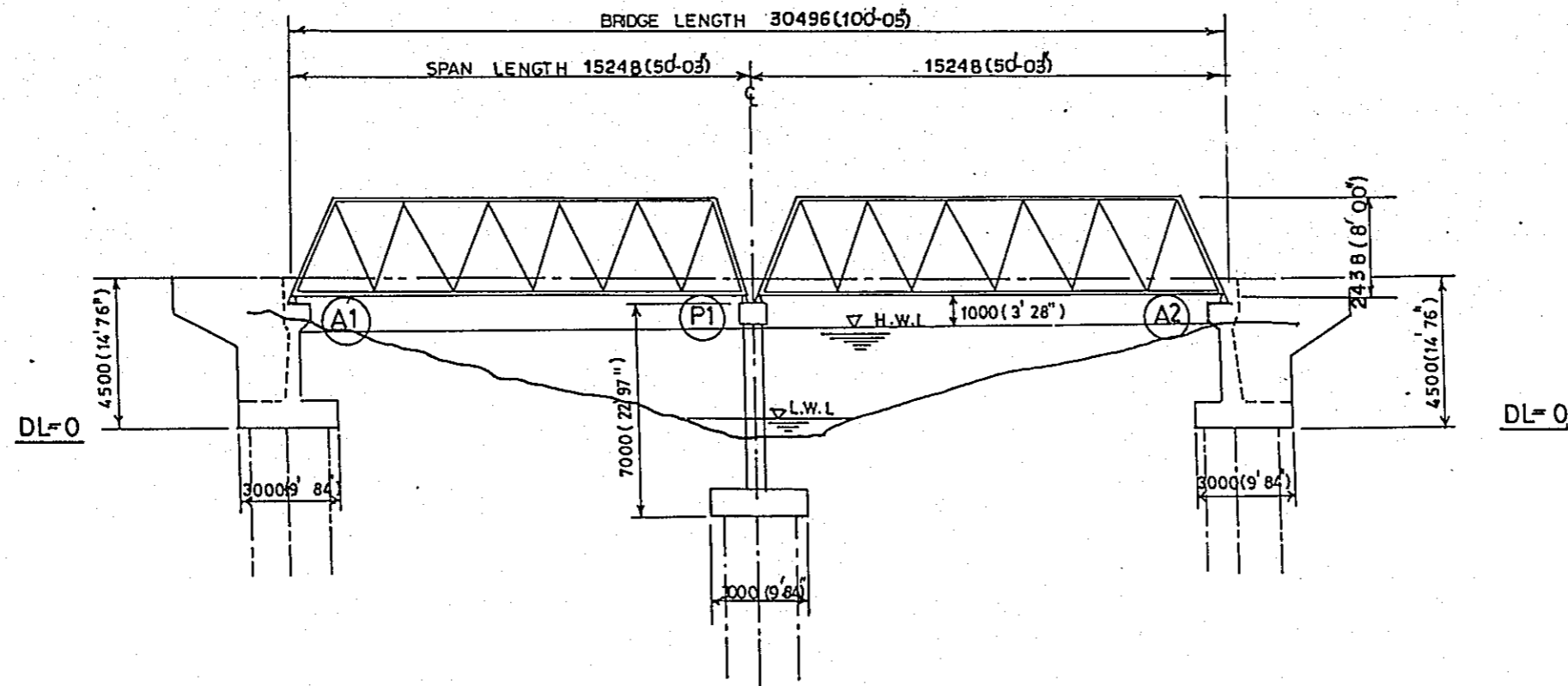


BASIC DESIGN STUDY ON THE PROJEC FOR		
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDGE NO	LOCATION	SHEET NO
07-01-02	B. B ARIA	149

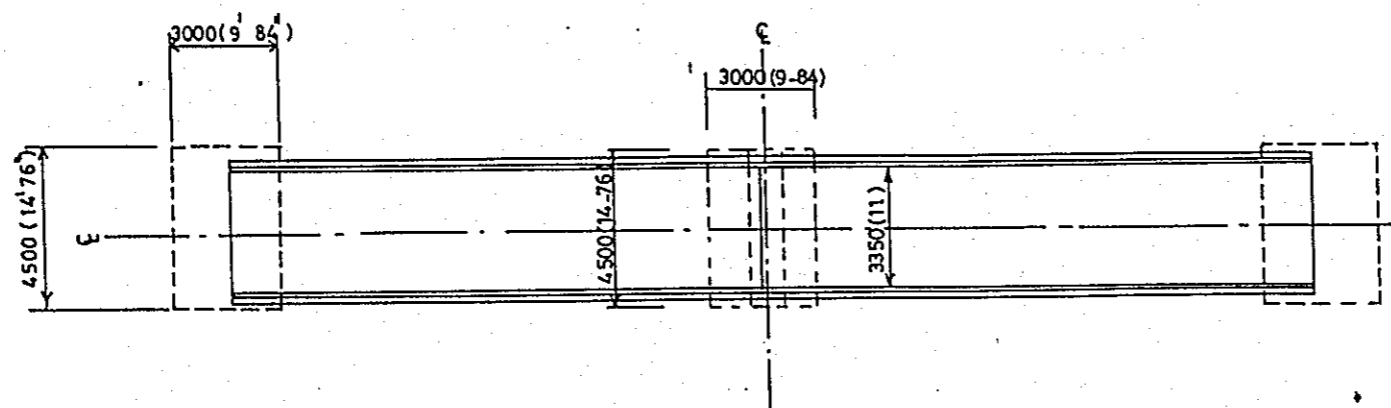


BASIC DESIGN STUDY ON THE PROJECT FOR
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS

BRIDGE NO	LOCATION	SHEET NO
07-02-01	B. BARIA	50

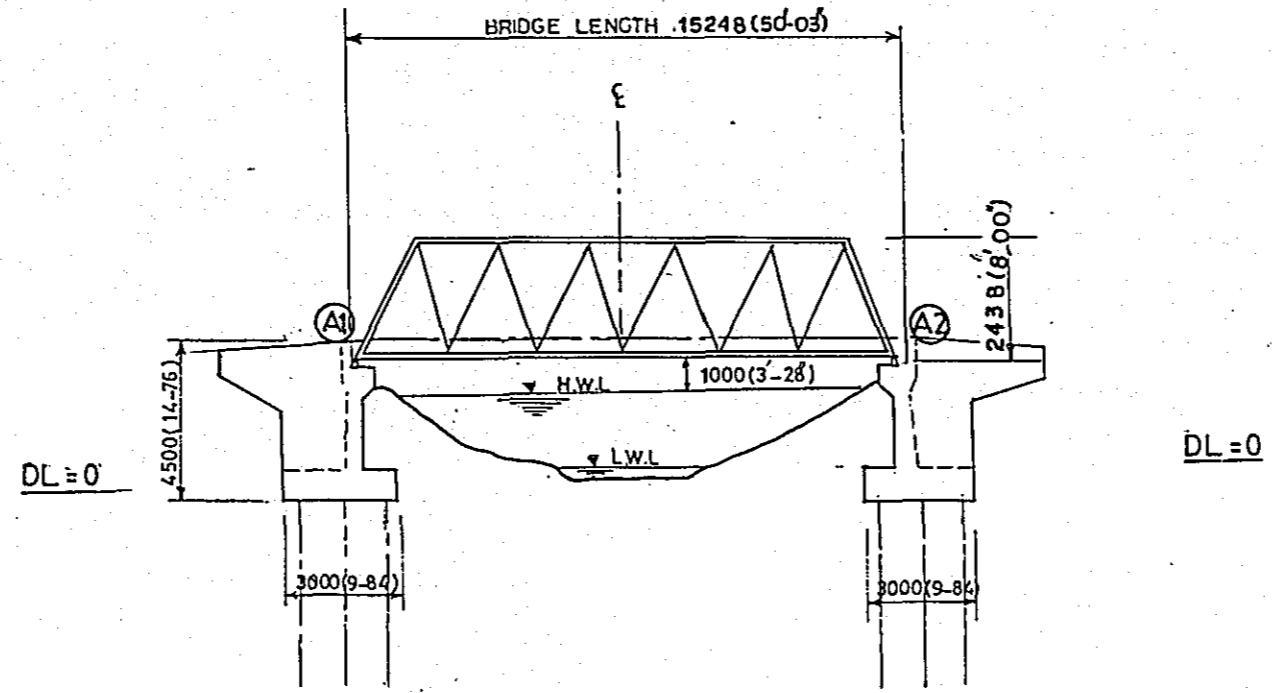


GENERAL ELEVATION
SCALE = 1:200

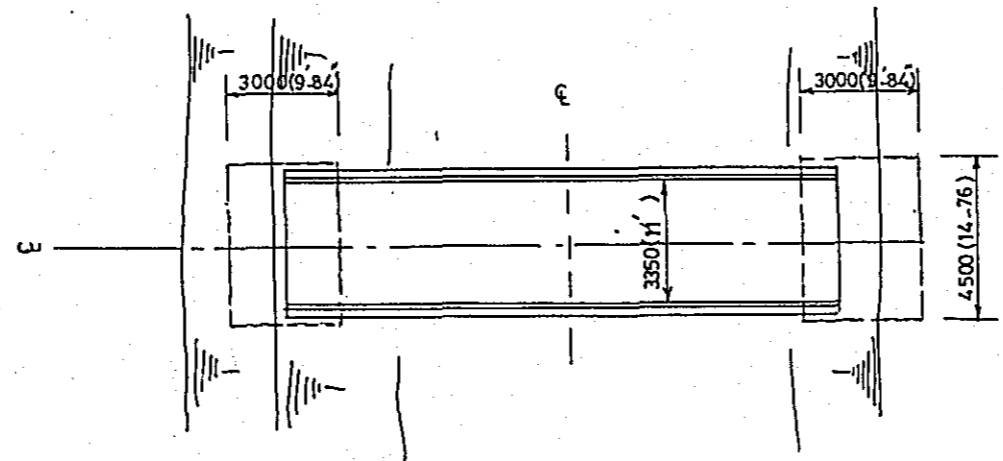


GENERAL PLAN
SCALE = 1:200

BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDGE NO	LOCATION	SHEET NO
07-02-02	B. B ARIA	51

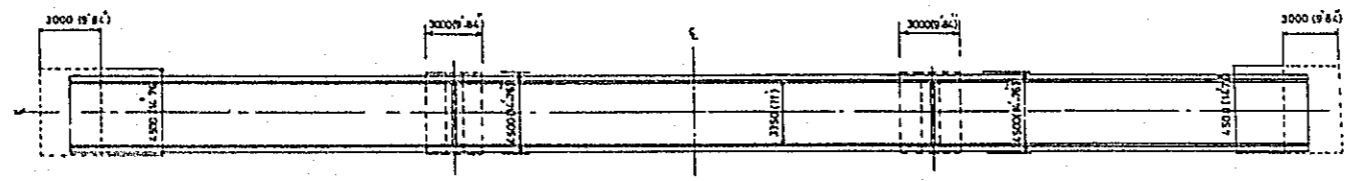
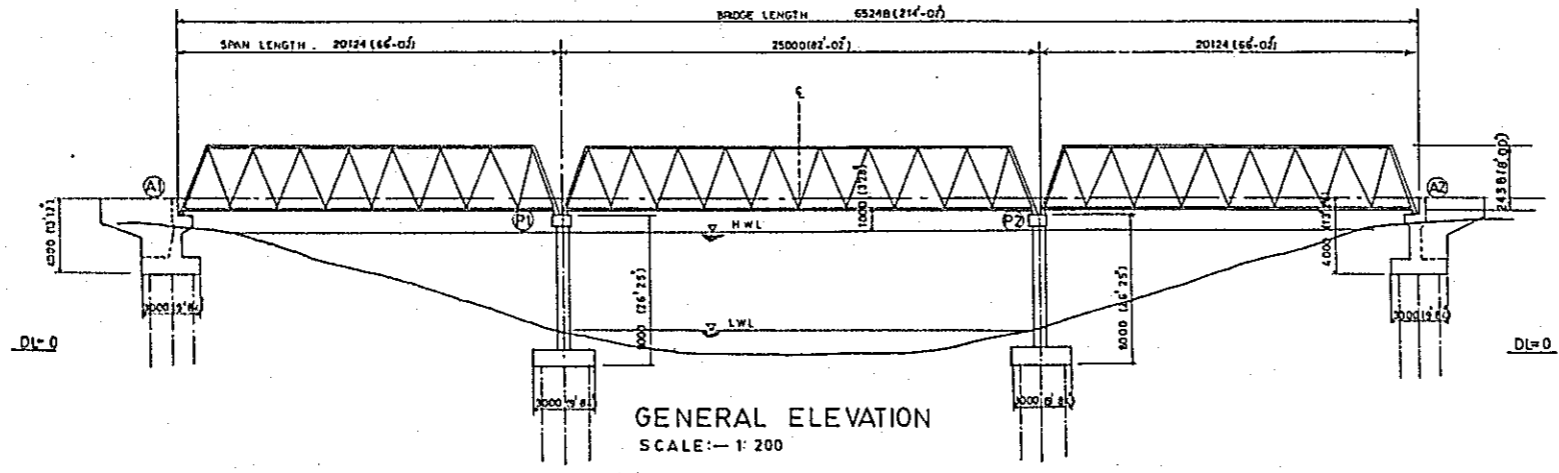


GENERAL ELEVATION
SCALE = 1:200



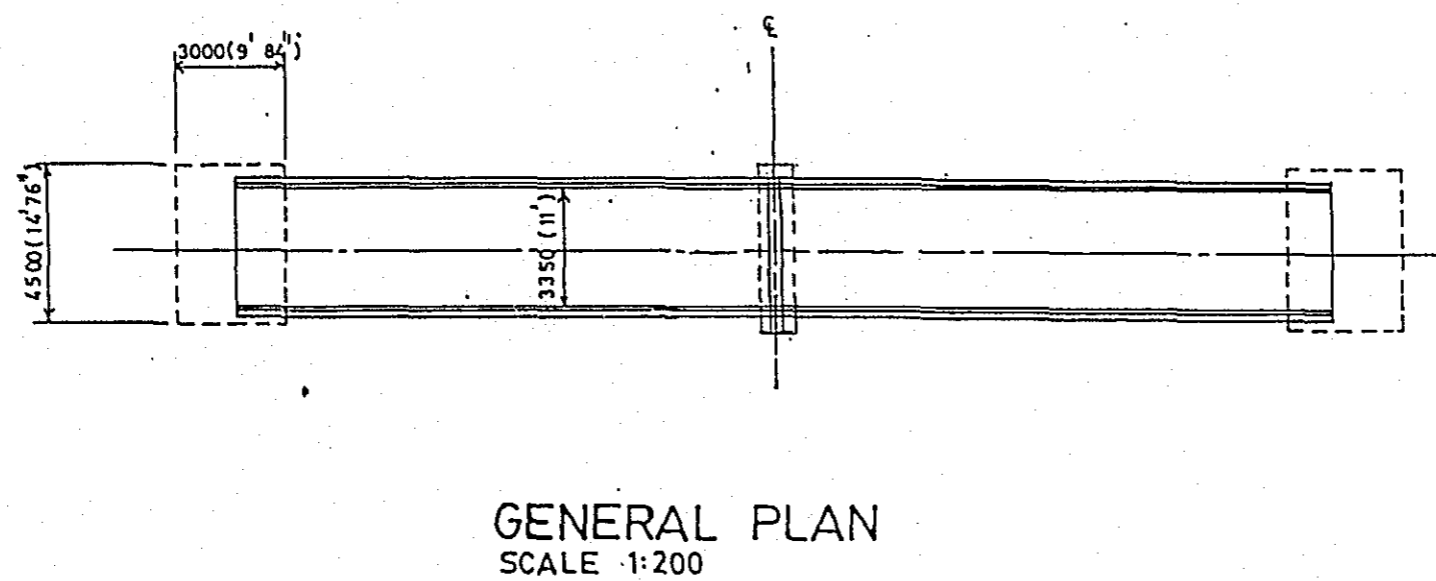
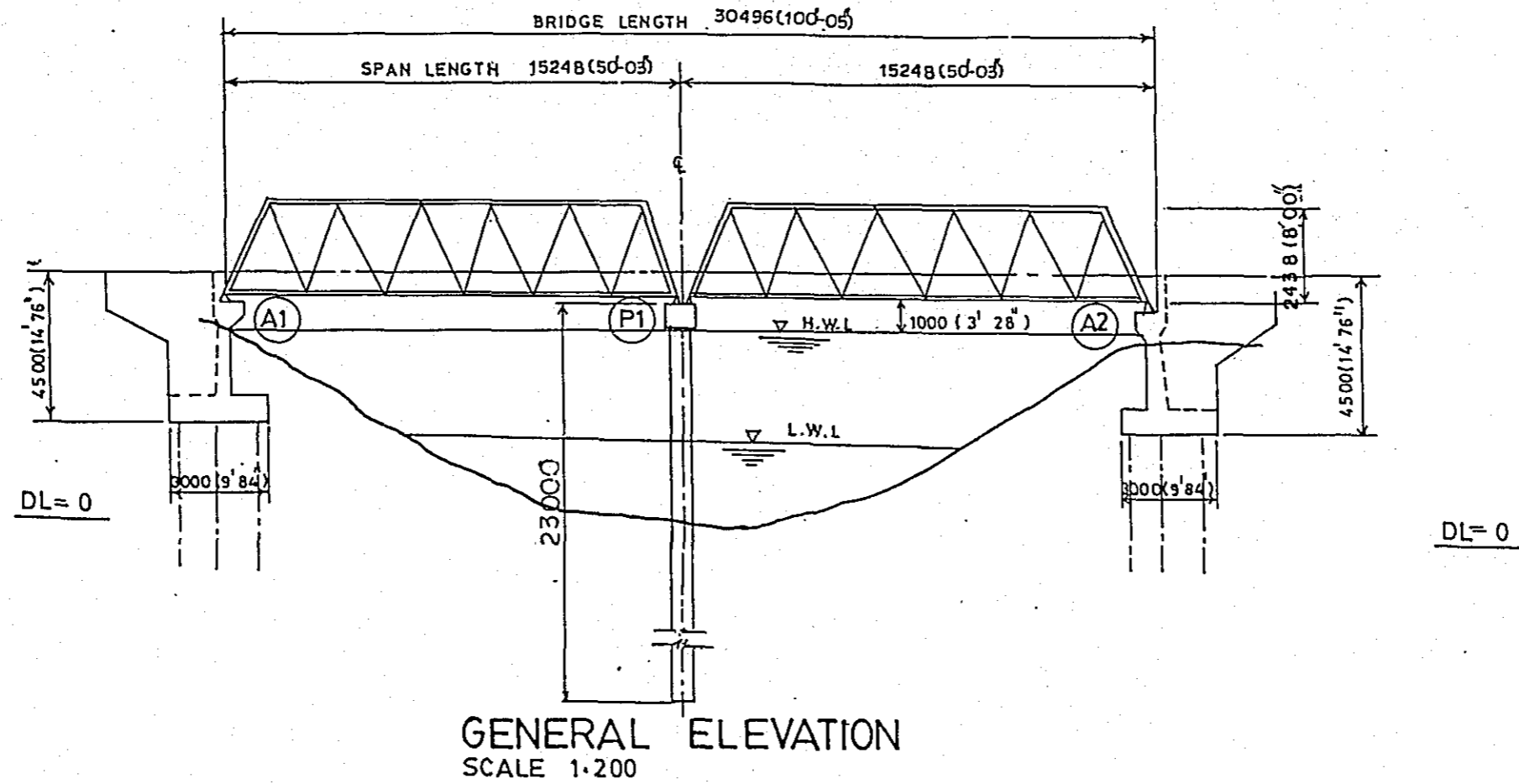
GENERAL PLAN
SCALE = 1:200

BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROAD		
BRIDGE NO	LOCATION	SHEET NO
D7-03-01	B. BARIJA	52



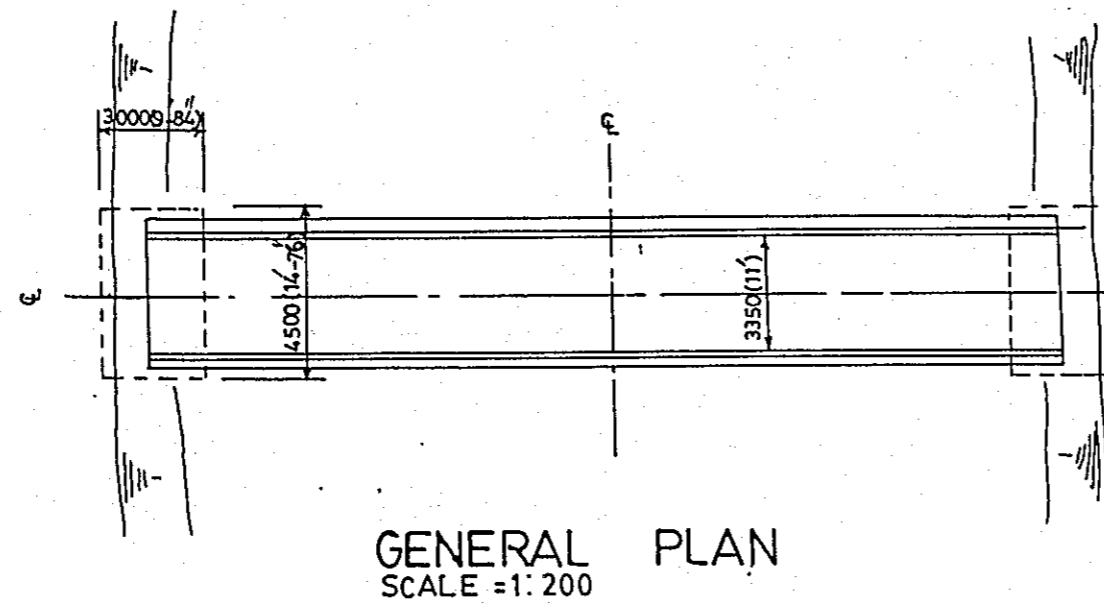
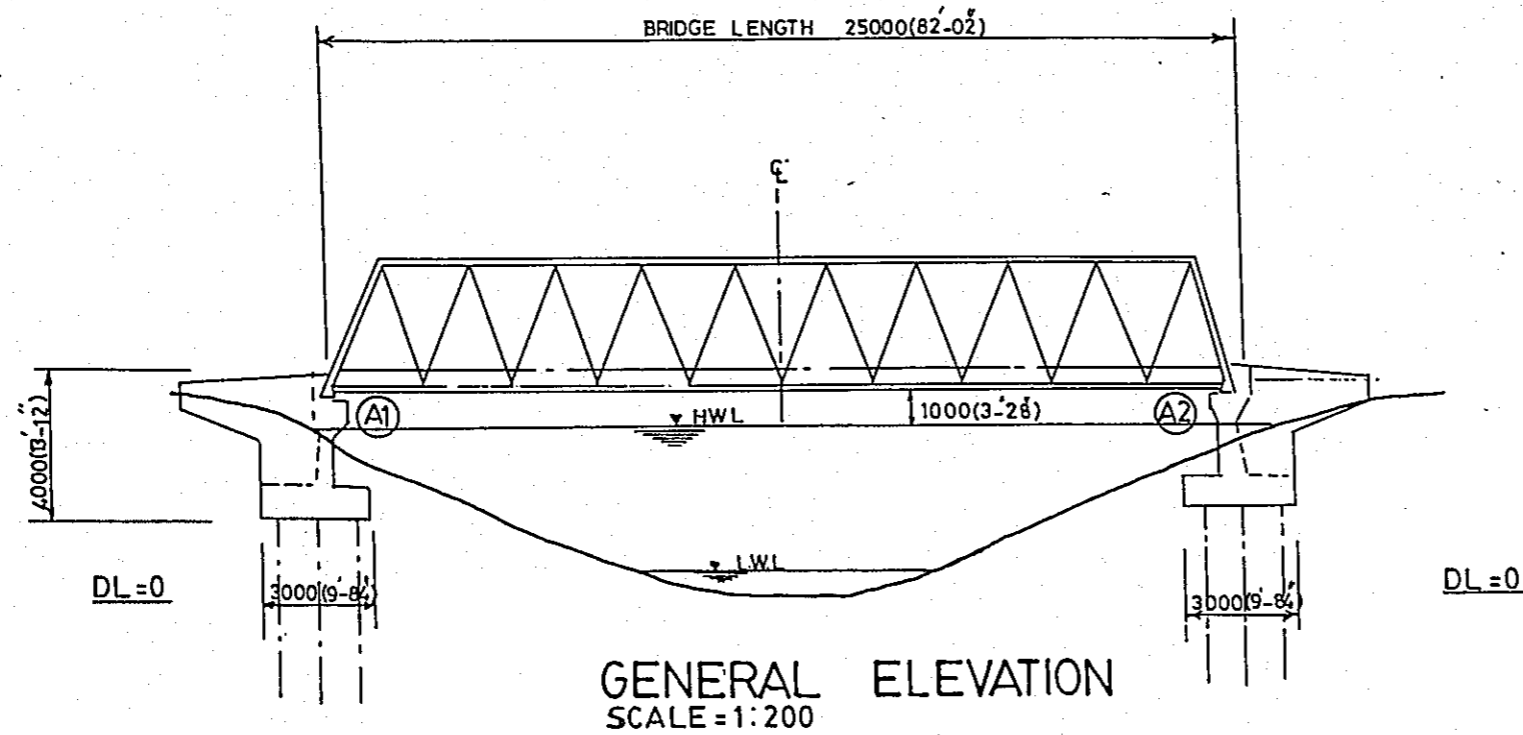
BASIC DESIGN STUDY ON THE PROJECT FOR
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURA ROADS

BRIDGE NO	LOCATION	SHEET NO
07-03-02	B. BARIA	53



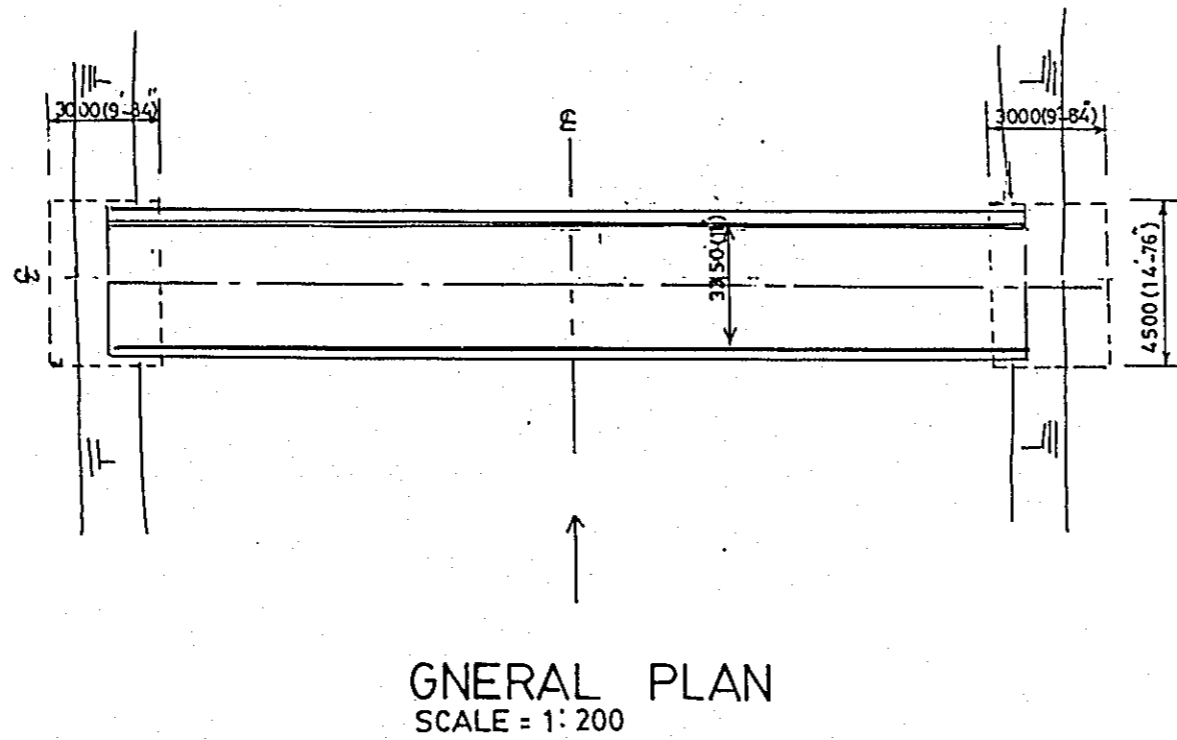
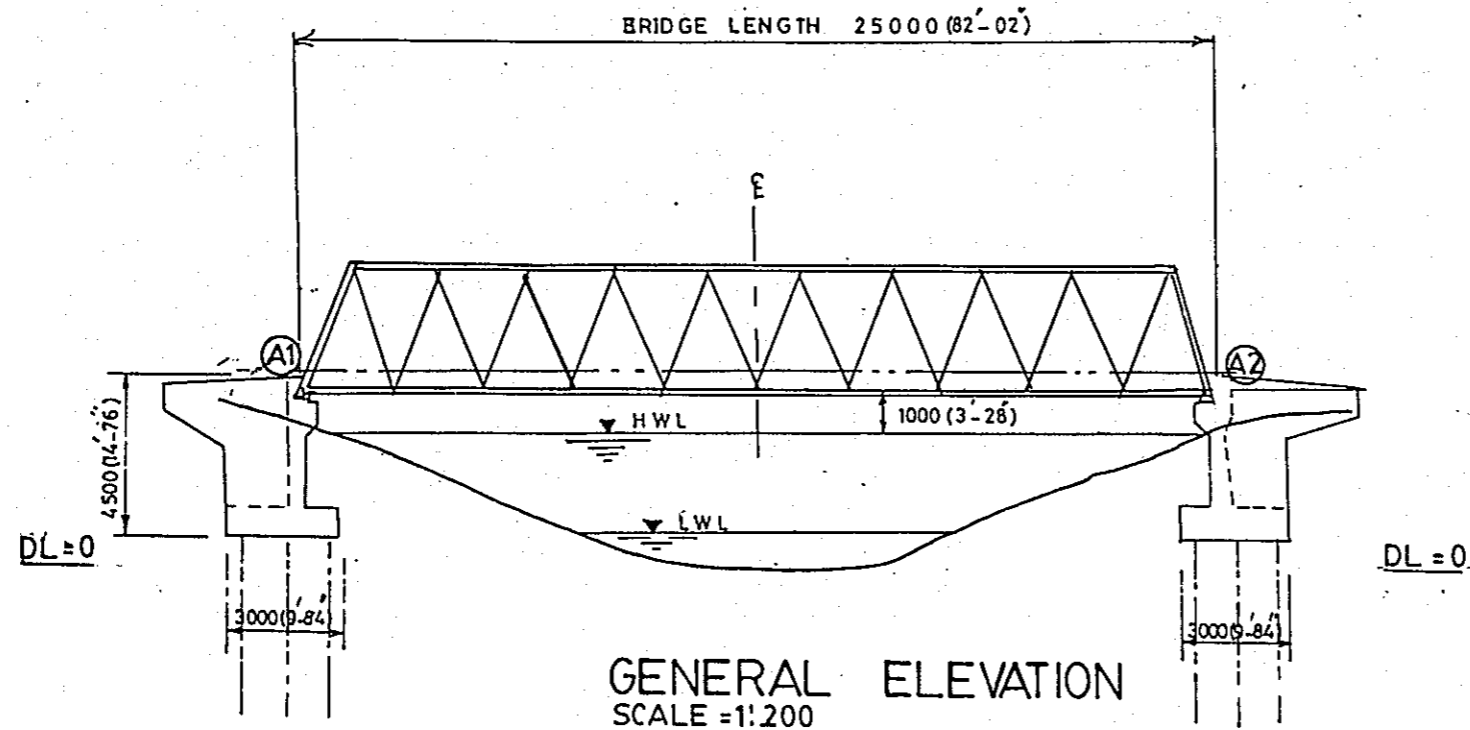
BASIC DESIGN STUDY ON THE PROJECT FOR
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURALROADS

BRIDGE NO	LOCATION	SHEET NO
07-04-01	B. BARIA	54



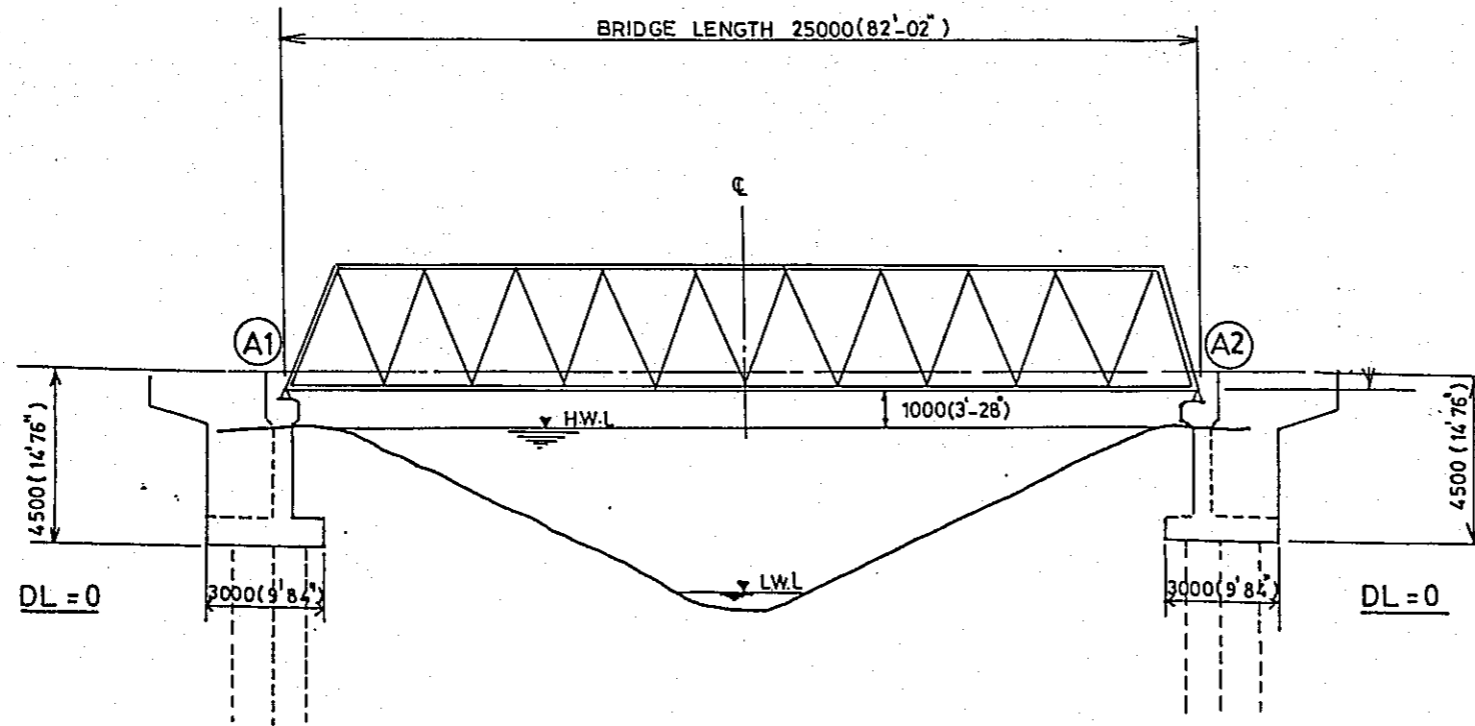
BASIC DESIGN STUDY ON THE PROJECT FOR
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS

BRIDGE NO	LOCATION	SHEET NO
08-01-01	COMILLA	55

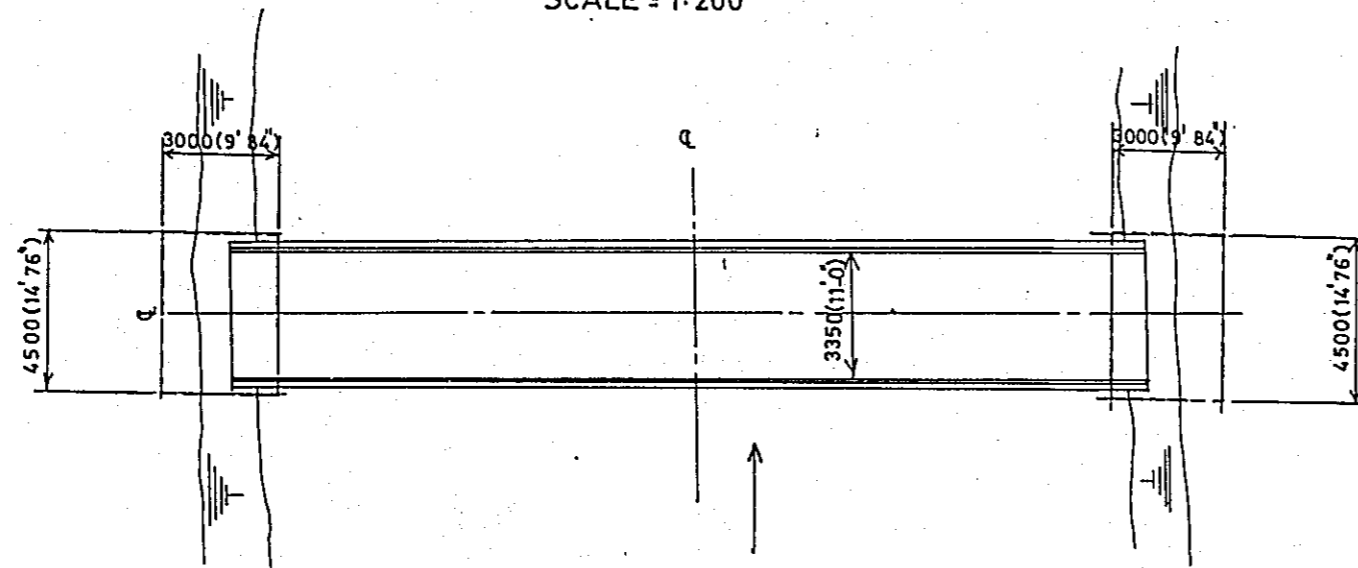


BASIC DESIGN STUDY ON THE PROJECT FOR
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS

BRIDGE NO	LOCACIÓN	SHEET NO
08-01-02	COMILLA	56



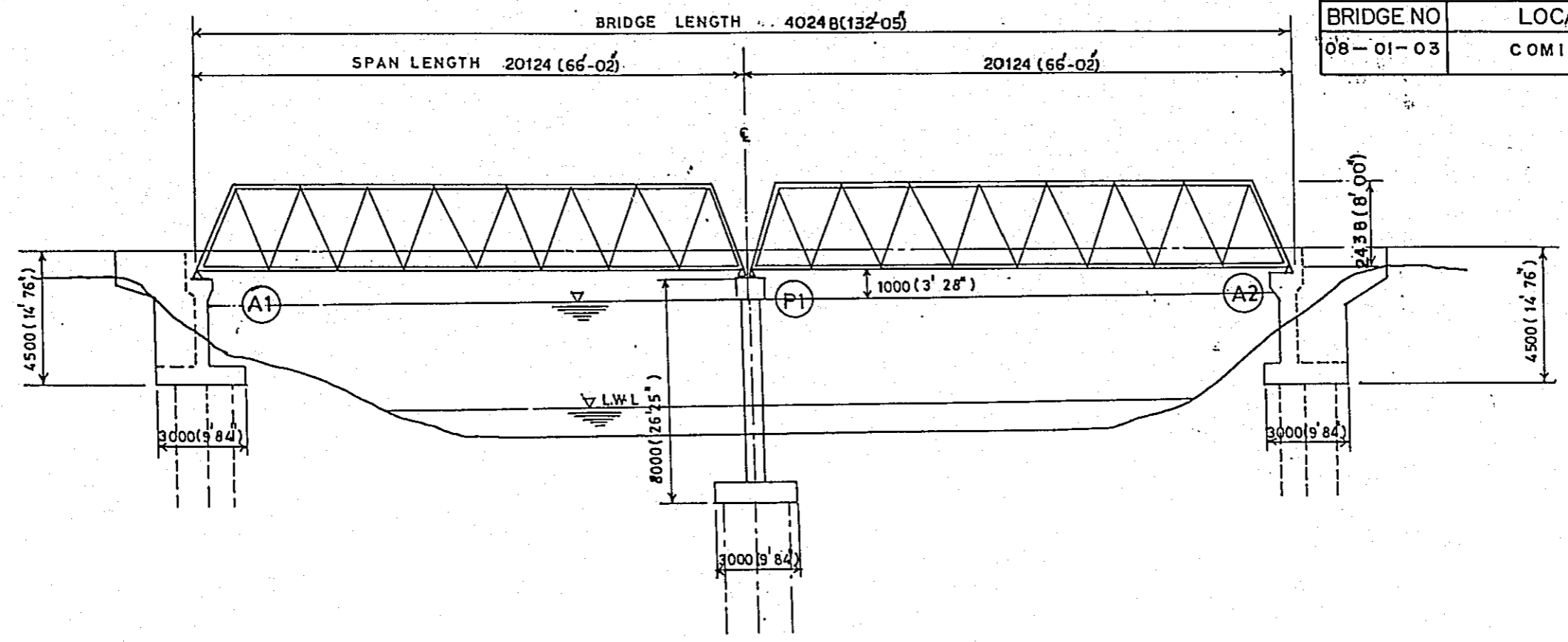
GENERAL ELEVATION
SCALE = 1:200



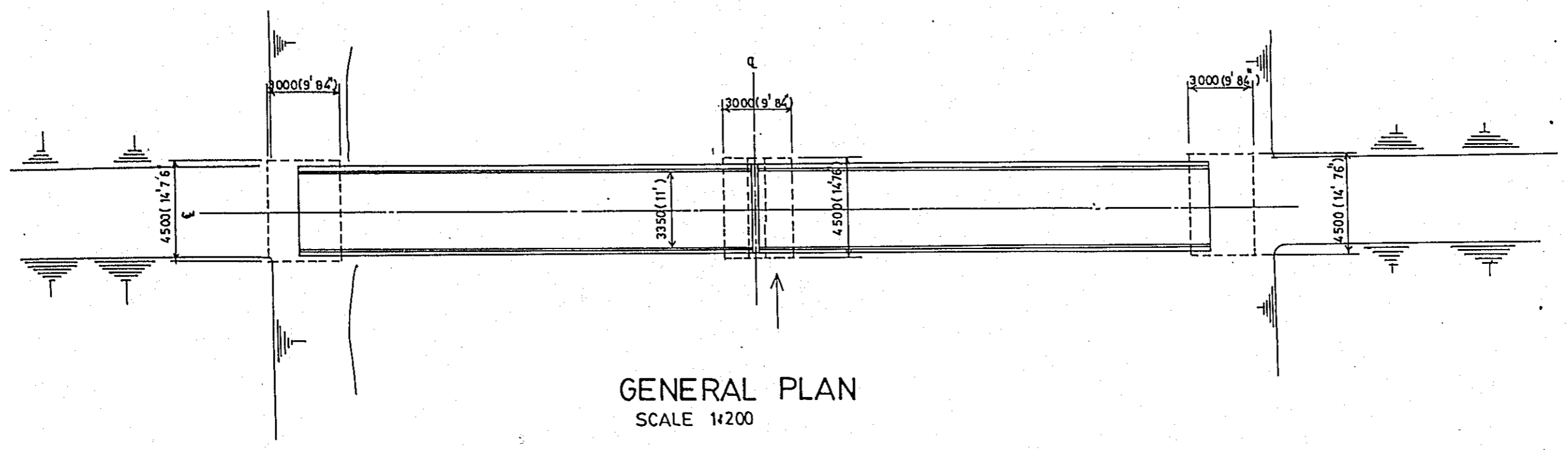
GENERAL PLAN
SCALE = 1:200

BASIC DESIGN STUDY ON THE PROJECT FOR
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS

BRIDGE NO	LOCATION	SHEET NO
08-01-03	COMILLA	57



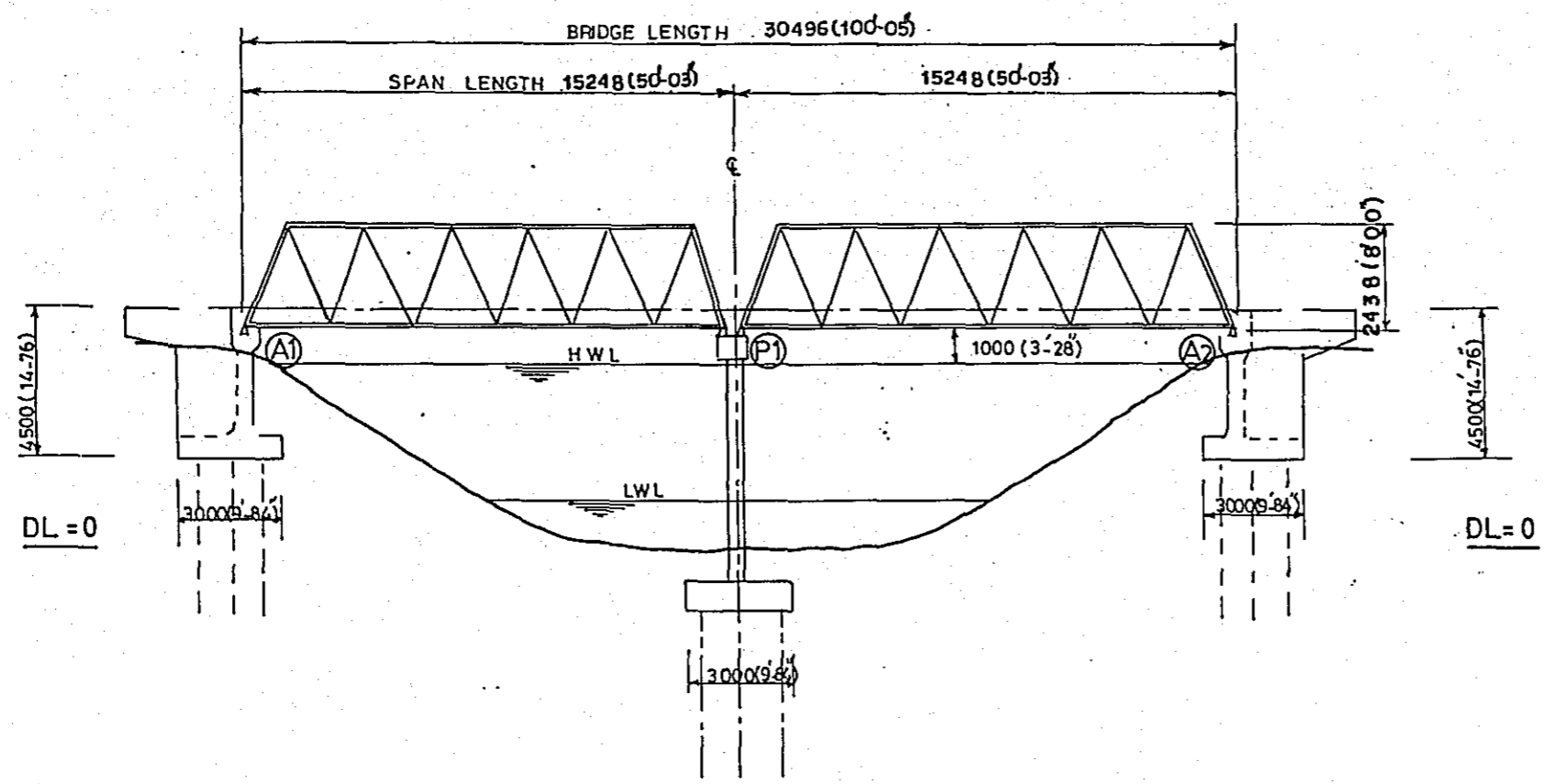
GENERAL ELEVATION
SCALE 1:200



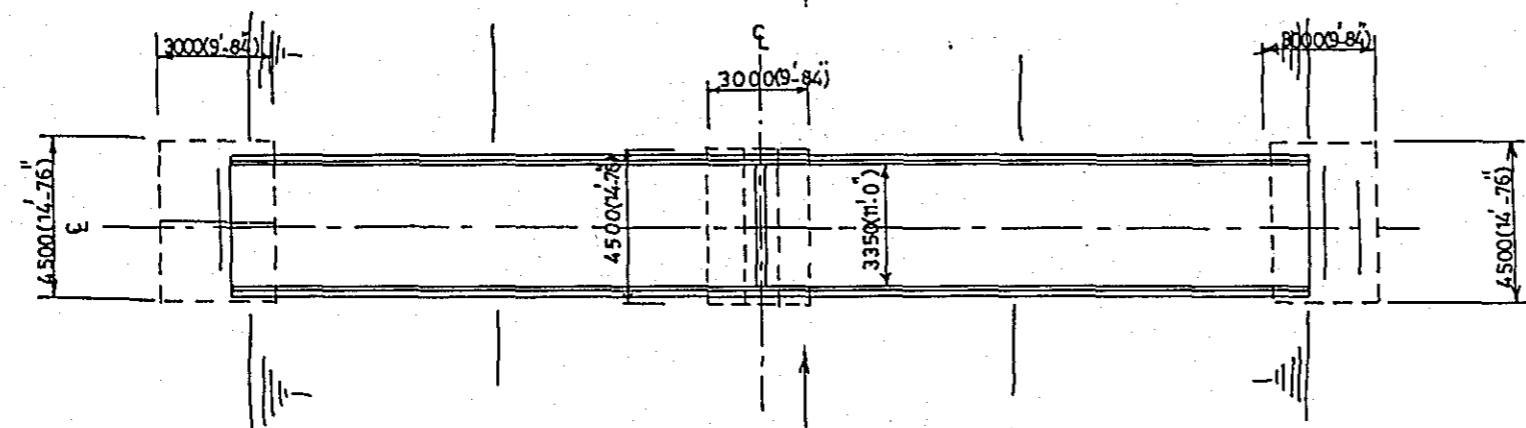
GENERAL PLAN
SCALE 1:200

BASIC DESIGN STUDY ON THE PROJECT FOR
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS

BRIDGE NO	LOCATION	SHEET NO
08-02-01	COMILLA	58



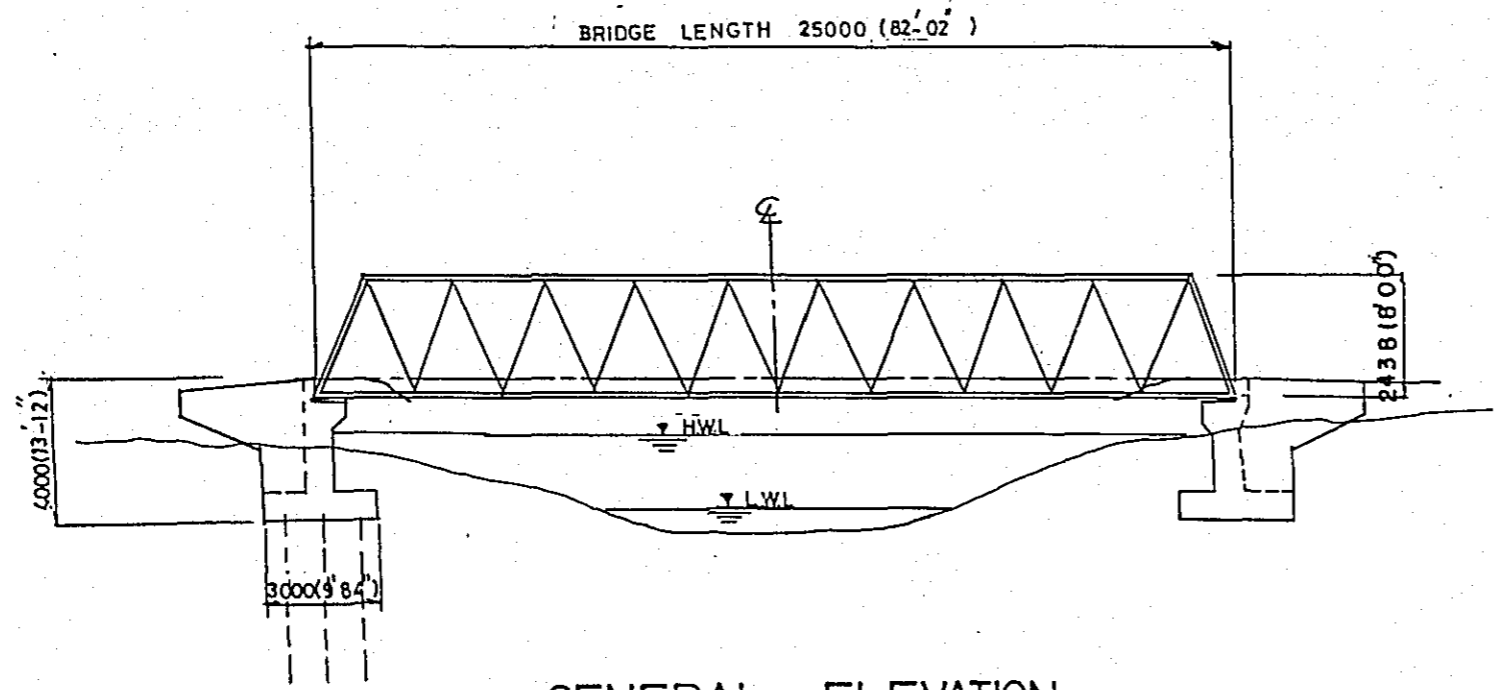
GENERAL ELEVATION
SCALE = 1:200



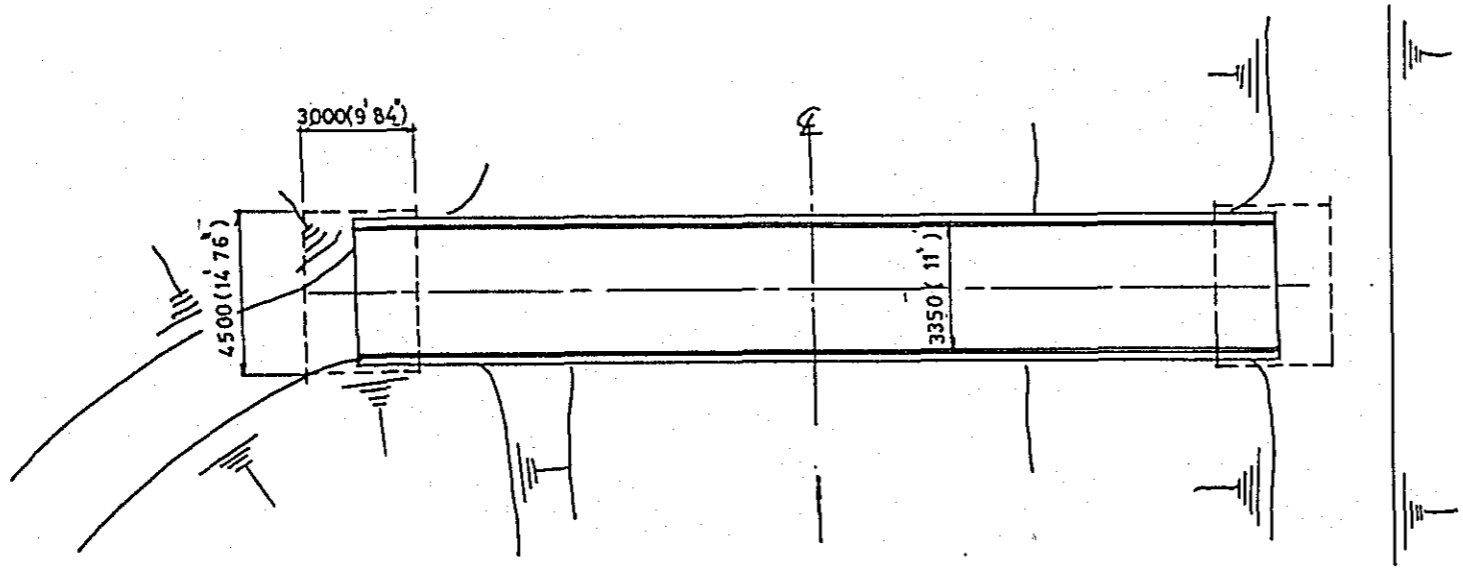
GENERAL PLAN
SCALE = 1:200

BASIC DESIGN STUDY ON THE PROJECT FOR
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS

BRIDGE NO	LOCATION	SHEET NO
08-02-02	COMILLA	59



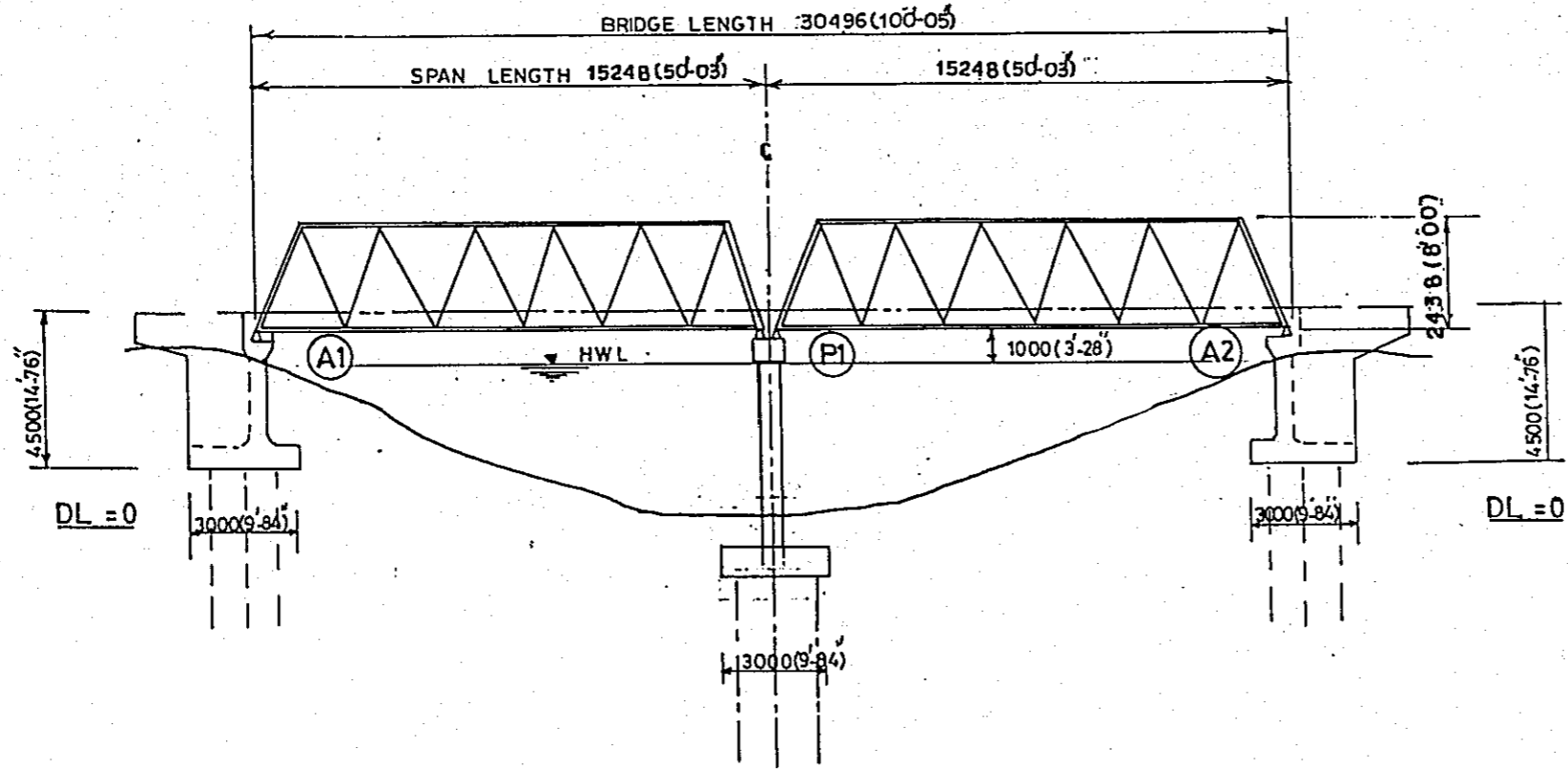
GENERAL ELEVATION
SCALE = 1:200



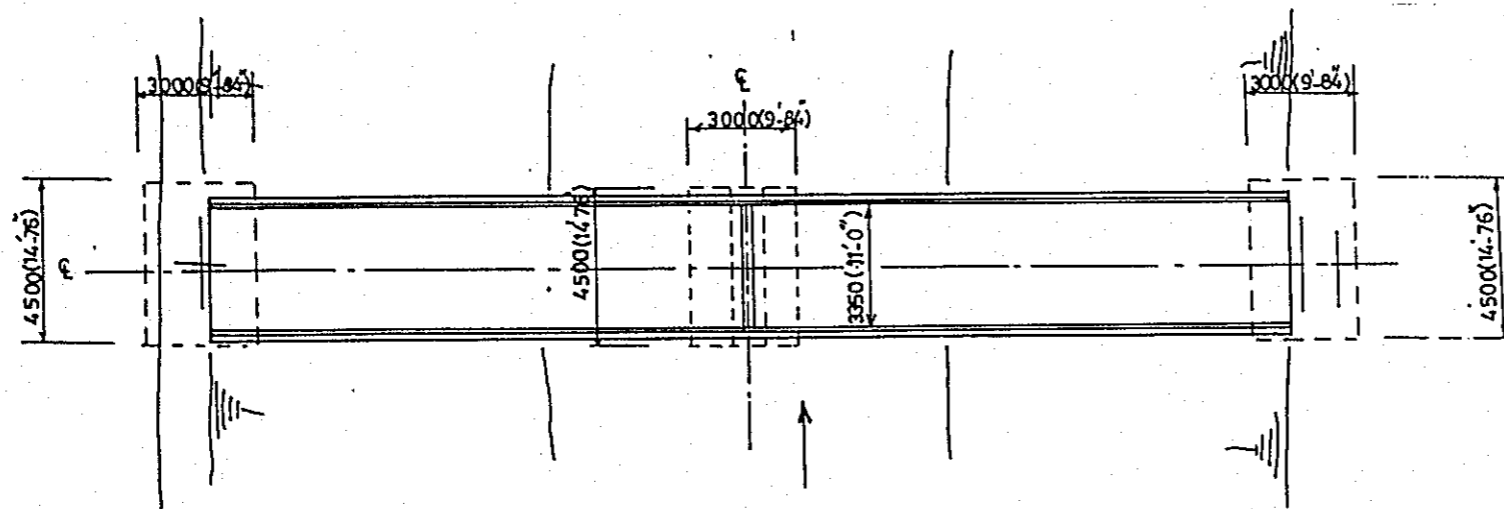
GENERAL PLAN
SCALE = 1:200

BASIC DESIGN STUDY ON THE PROJECT FOR
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS

BRIDGE NO	LOCATION	SHEET NO
OB-03-01	COMILLA	60



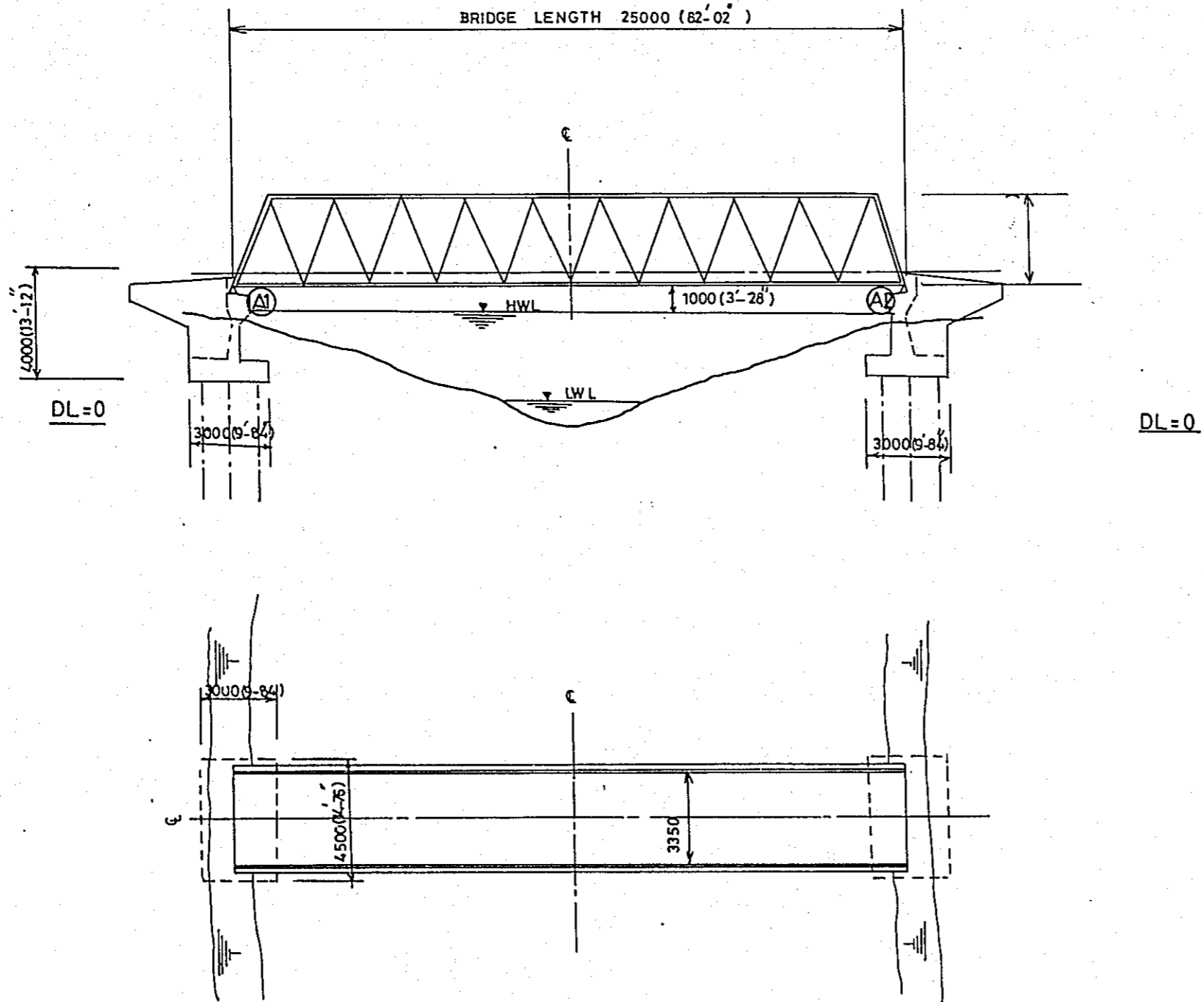
GENERAL ELEVATION
SCALE = 1:200



GENERAL PLAN
SCALE = 1:200

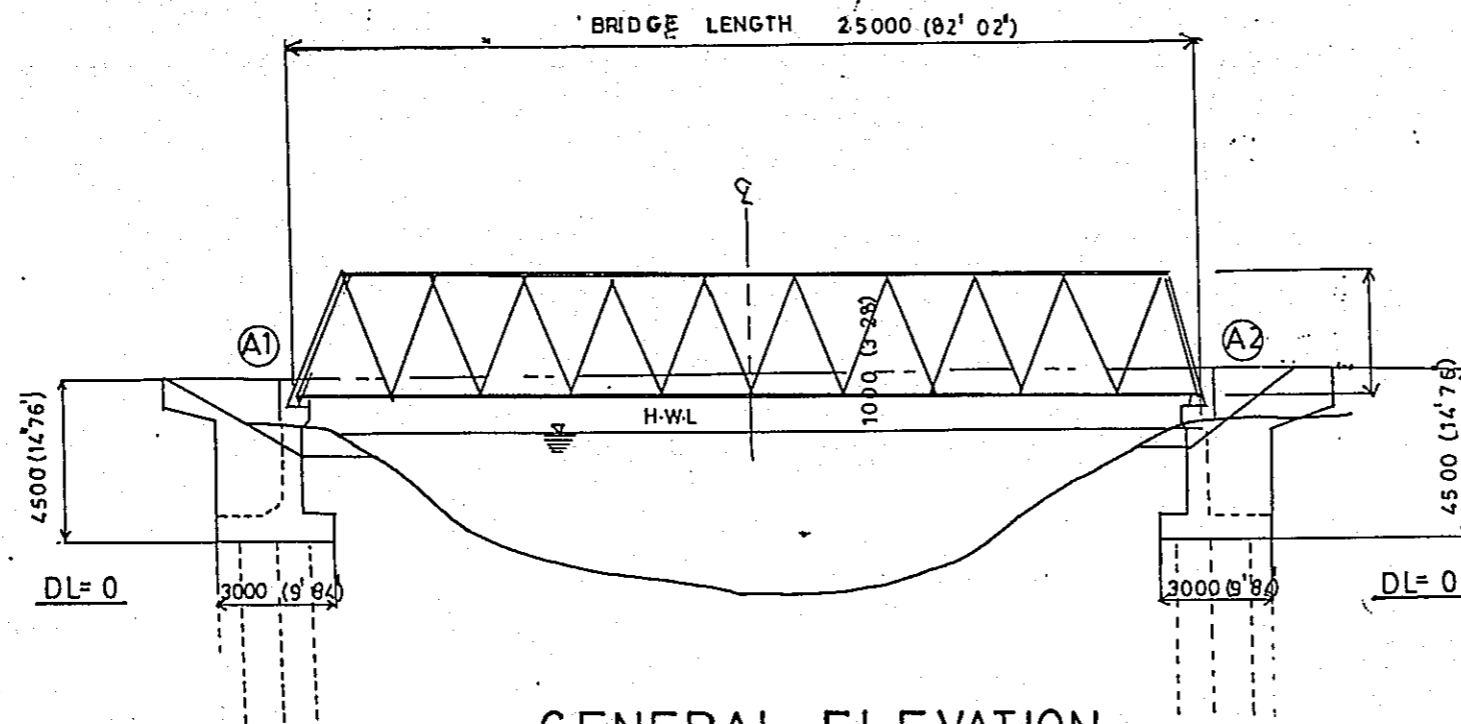
BASIC DESIGN STUDY ON THE PROJECT FOR
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS

BRIDGE NO	LOCATION	SHEET NO
08-03-02	COMILLA	61

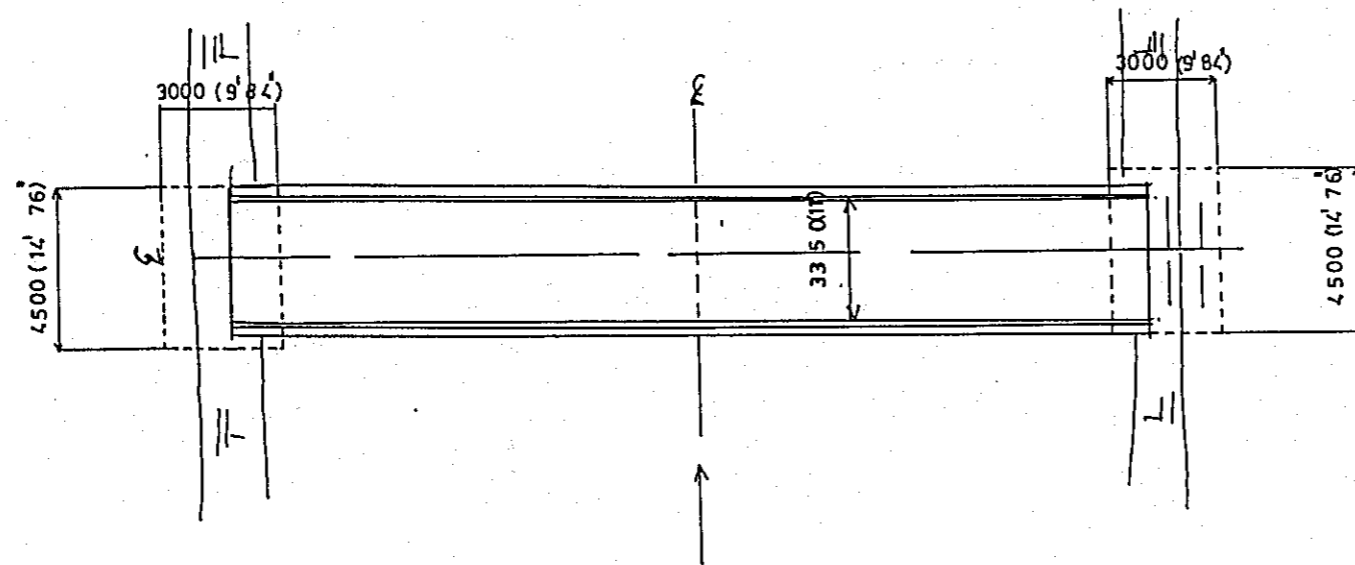


BASIC DESIGN STUDY ON THE PROJECT FOR
 PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS

BRIDGE NO	LOCATION	SHEET NO
08-04-01	COMILLA	62

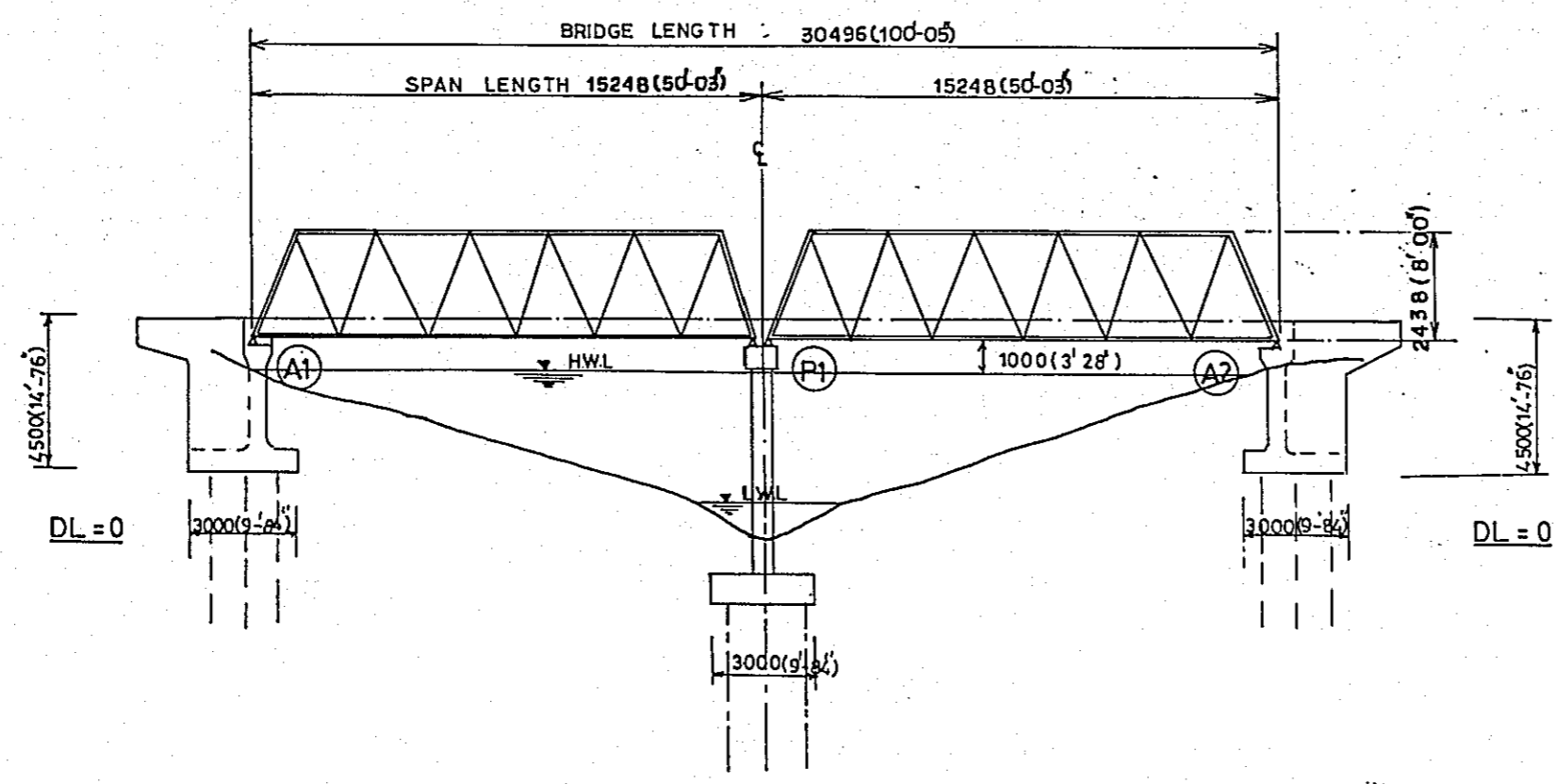


GENERAL ELEVATION
 SCALE:-1:200

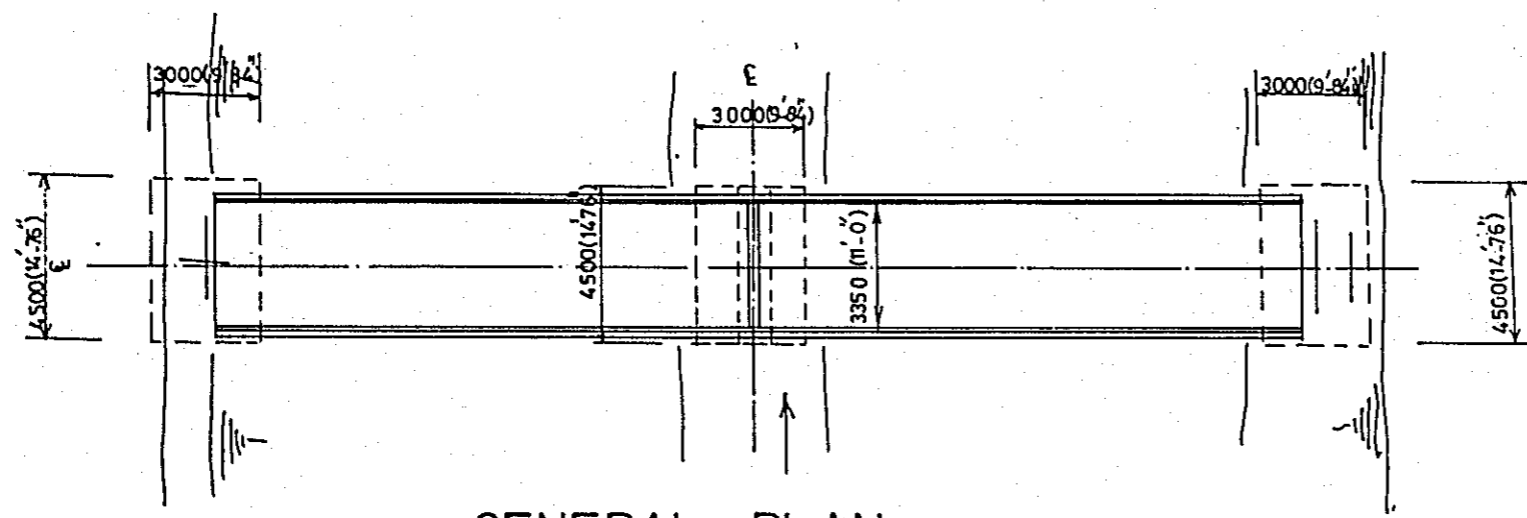


GENERAL PLAN
 SCALE:- 1:200

BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDG NO	LOCATION	SHEET NO
08-04-02	COMILLA	63

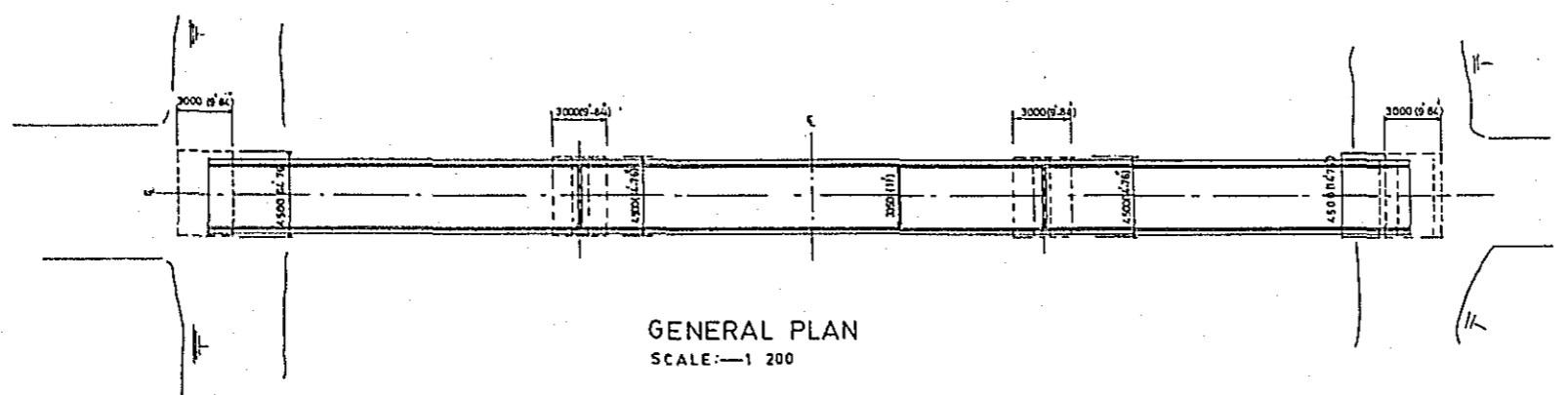
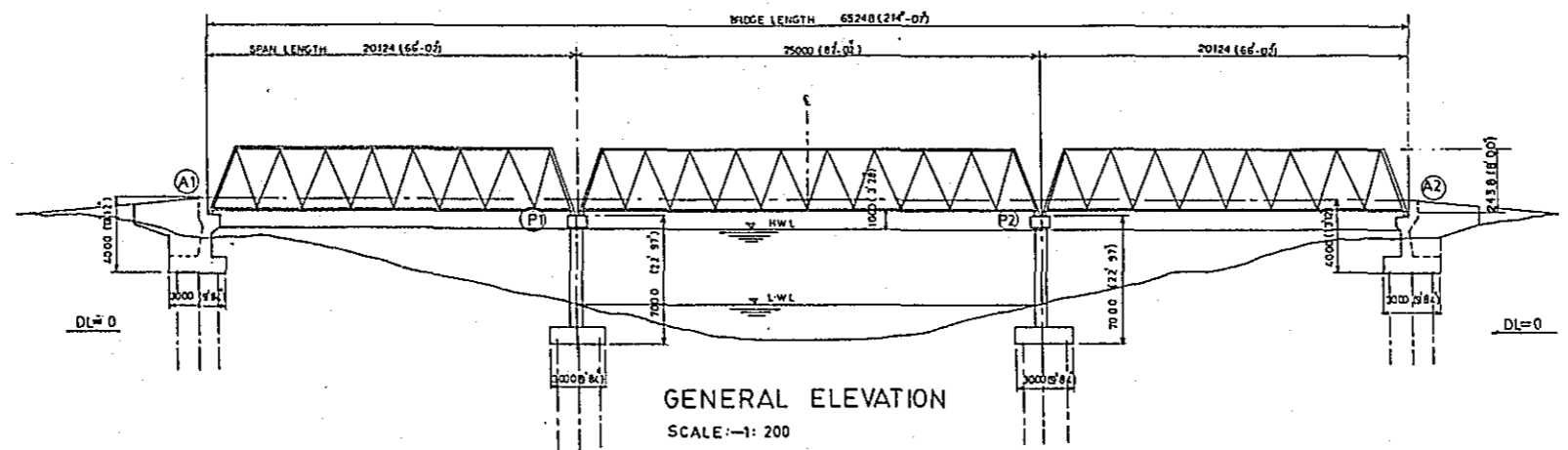


GENERAL ELEVATION
SCALE = 1:200

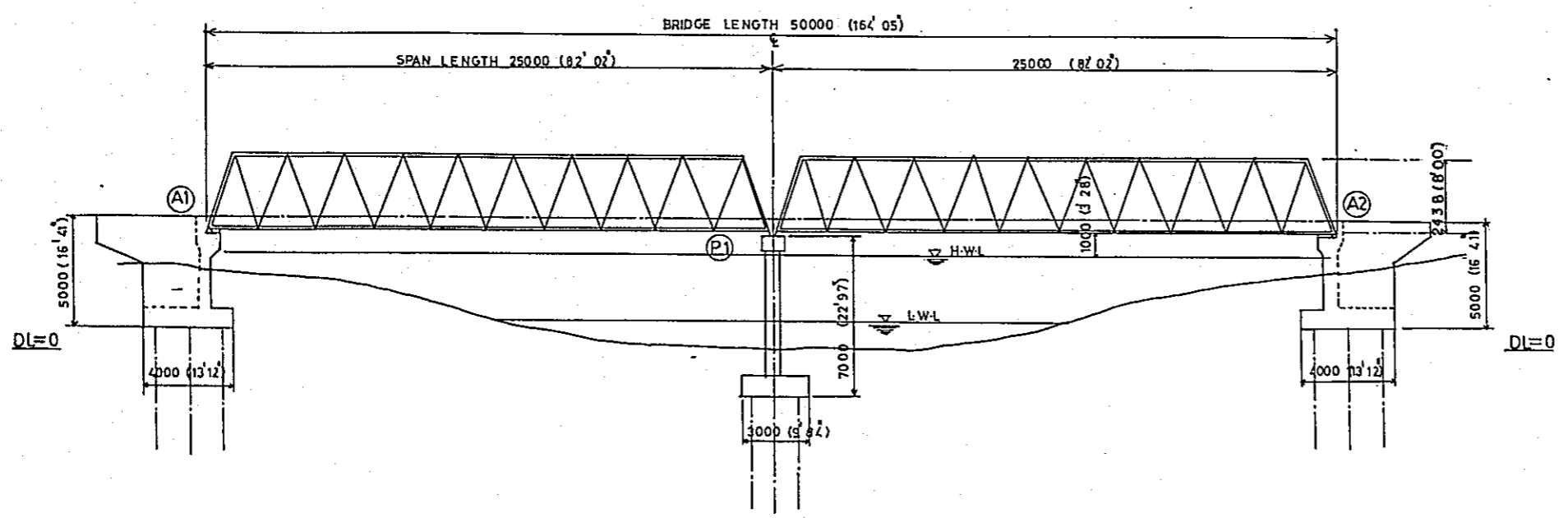


GENERAL PLAN
SCALE = 1:200

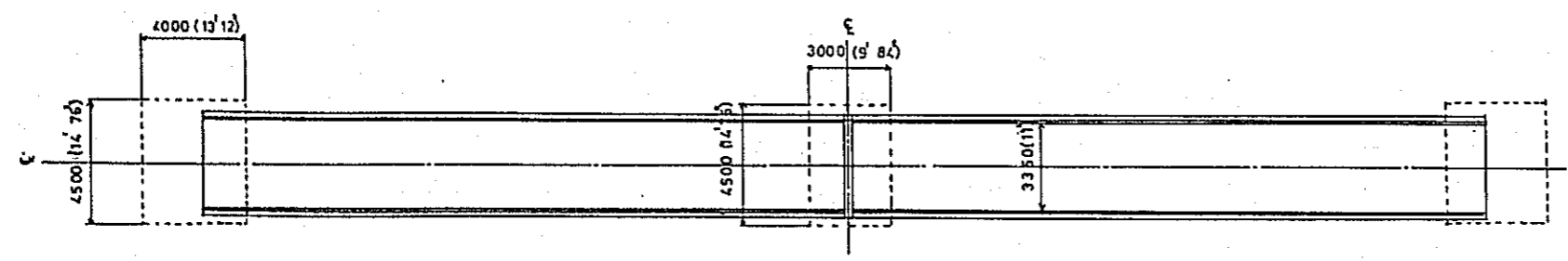
BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURA ROADS		
BRIDGE NO	LOCATION	SHEET NO
08-04-03	COMILLA	64



BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDGE NO	LOCATION	
09-01-01	NOAKHALI	65



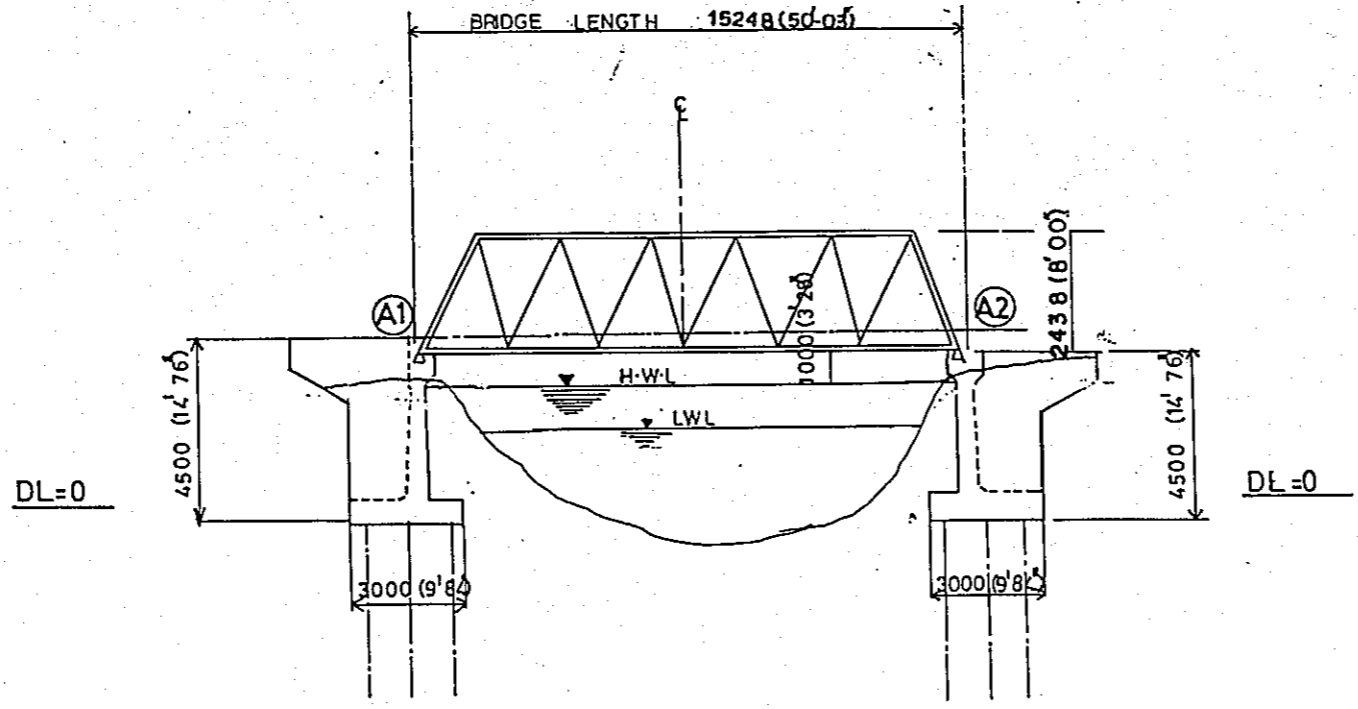
GENERAL ELEVATION
SCALE:— 1: 200



GENERAL PLAN
SCALE:— 1: 200

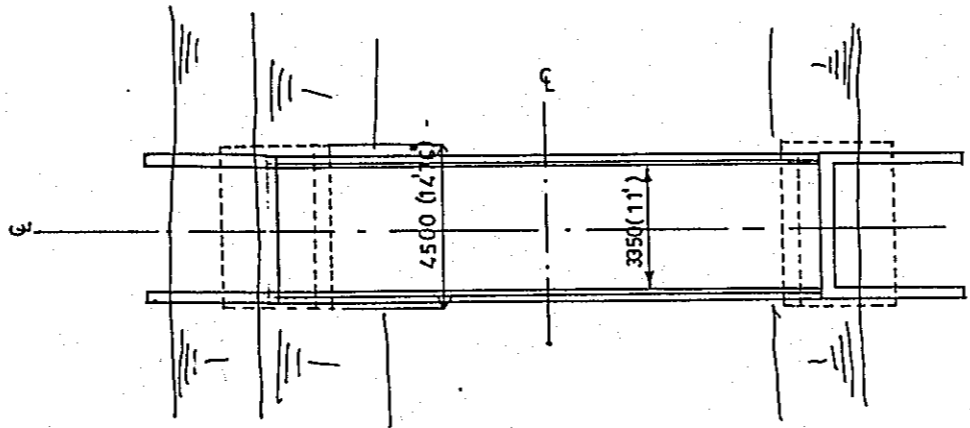
BASIC DESIGN STUDY ON THE PROJECT FOR
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS

BRIDGE NO	LOCATION	SHEET NO
09-01-02	NOAKHALI	66



GENERAL ELEVATION

SCALE:-1:200

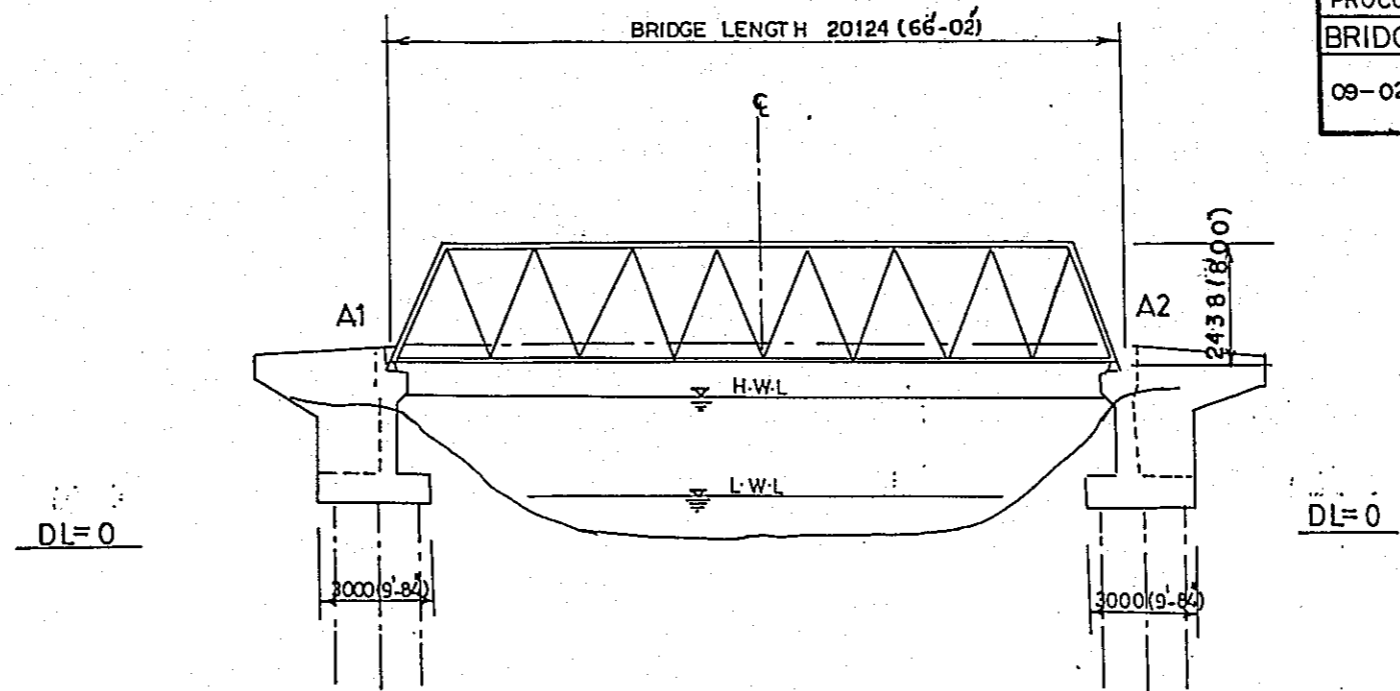


GENERAL PLAN

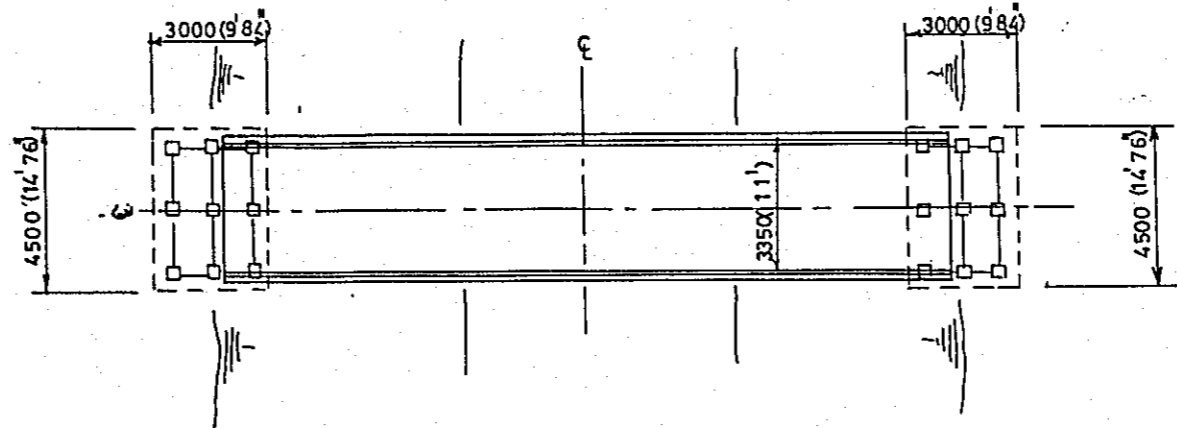
SCALE:-1:200

BASIC DESIGN STUDY ON THE PROJECT FOR
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS

BRIDGE NO	LOCATION	SHEET NO
09-02-01	NOAKHALI	67

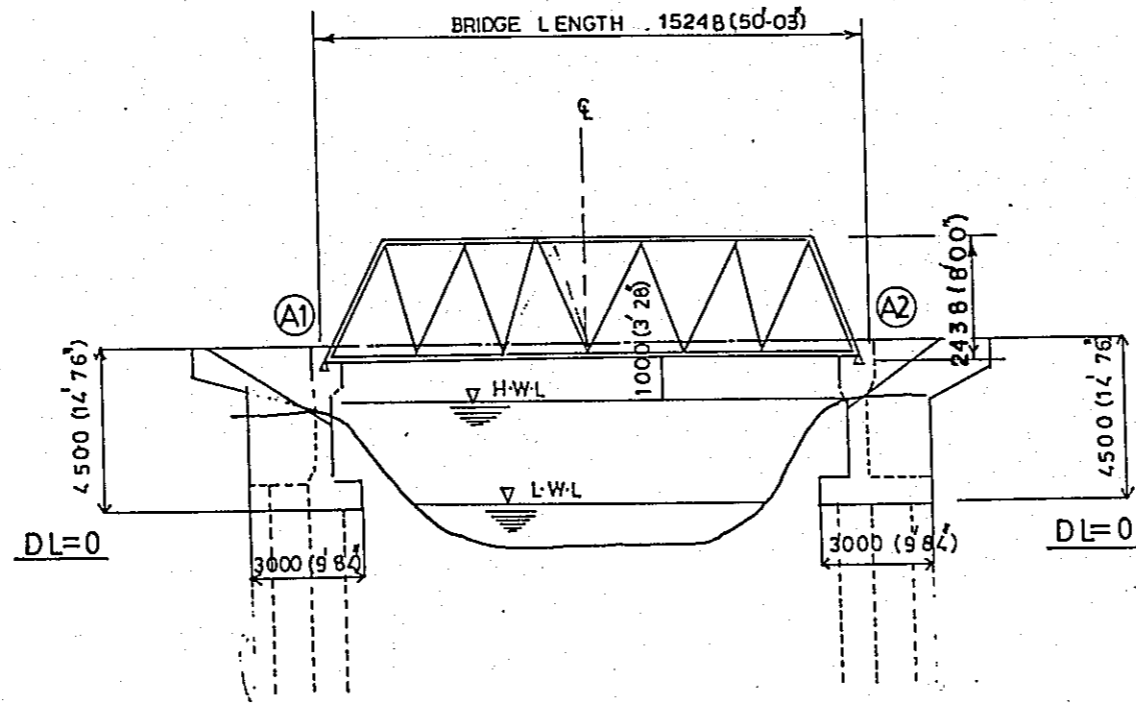


GENERAL ELEVATION
SCALE = 1:200

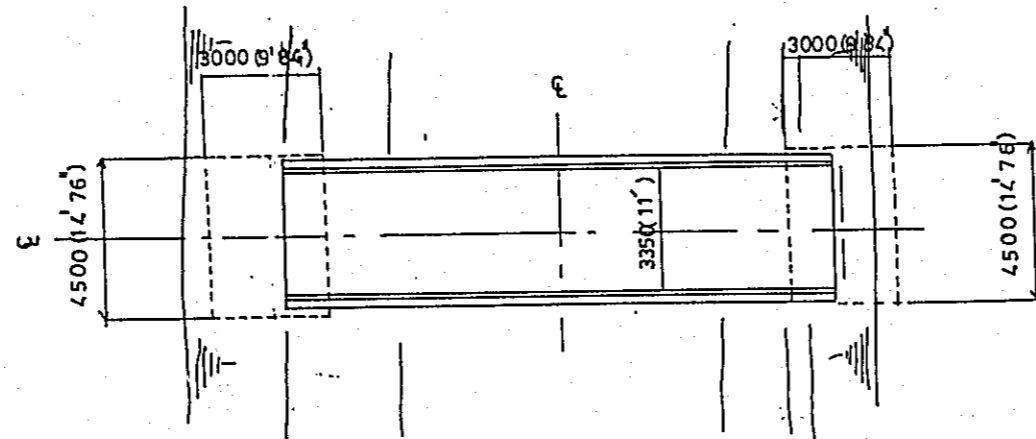


GENERAL PLAN
SCALE = 1:200

BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDGE NO	LOCATION	SHEET NO
09-02-02	NOAKHALI	68

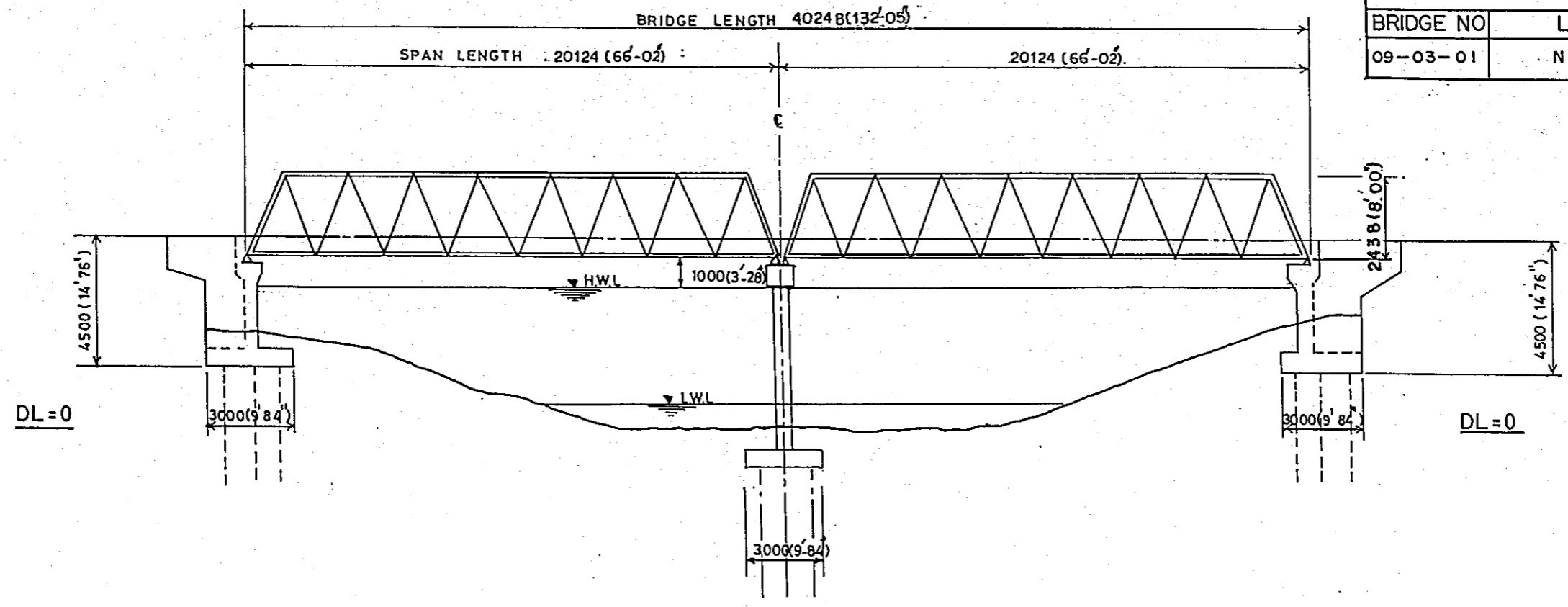


GENERAL ELEVATION
SCALE:-1:200

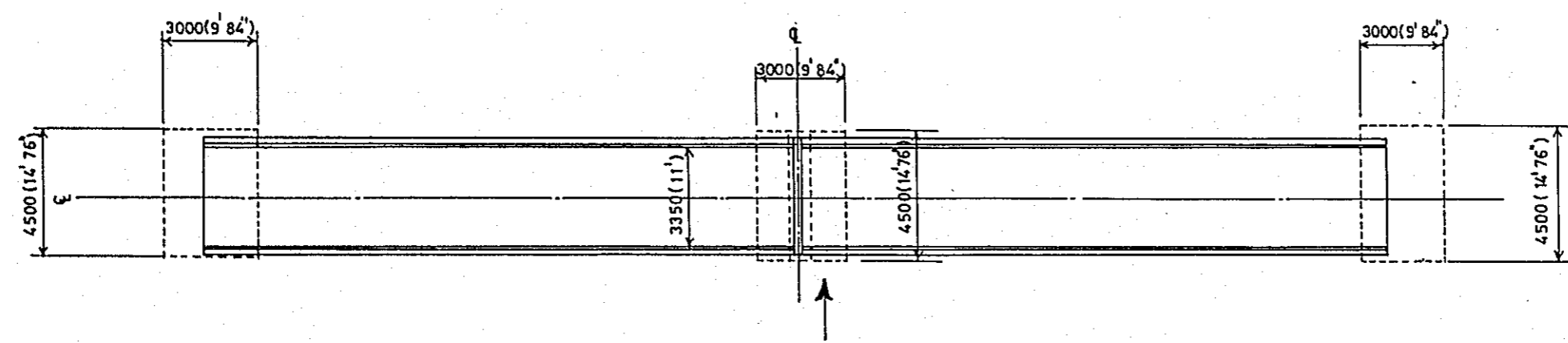


GENERAL PLAN
SCALE:-1:200

BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDGE NO	LOCATION	SHEET NO
09-03-01	NOAKHALI	69



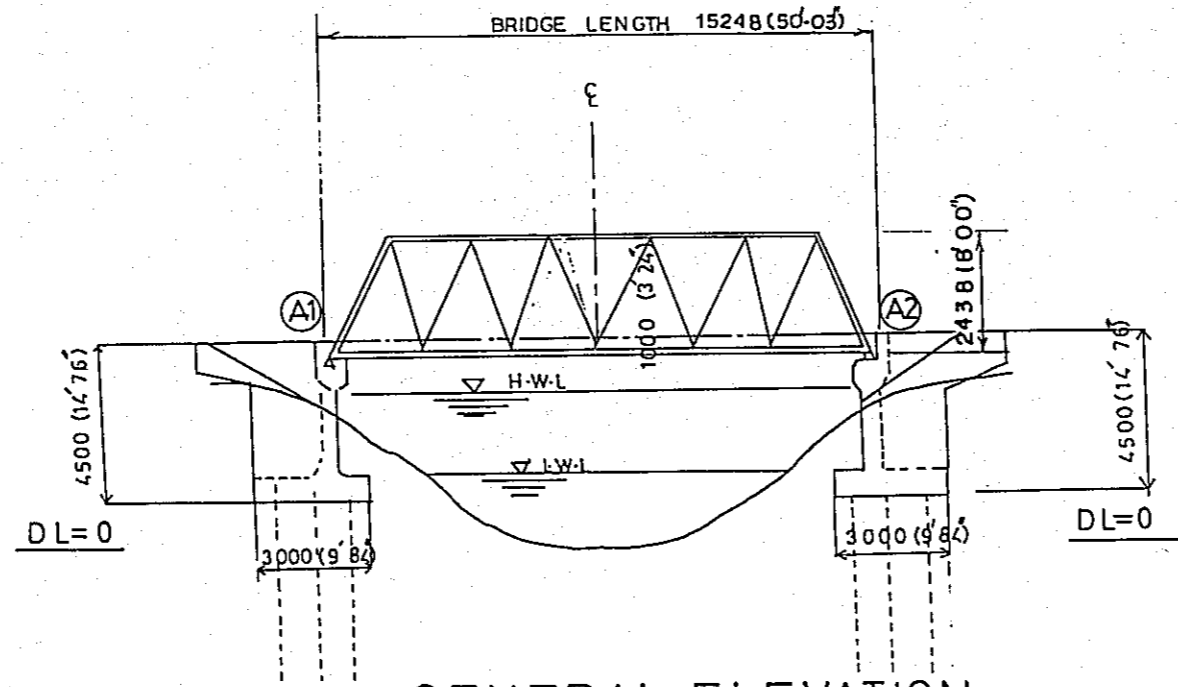
GENERAL ELEVATION
SCALE = 1:200



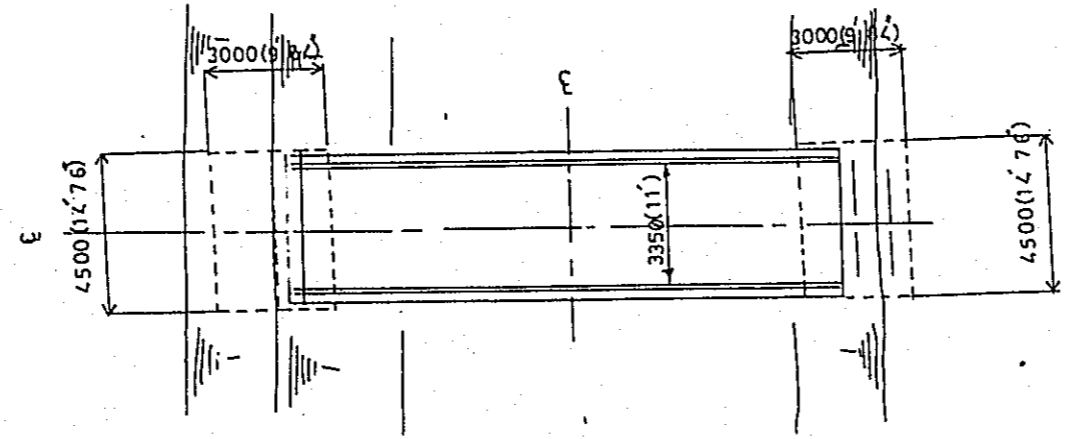
GENERAL PLAN
SCALE = 1:200

BASIC DESIGN STUDY ON THE PROJECT FOR
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS

BRIDGE NO	LOCATION	SHEET NO
09-04-01	NOAKHALI	70

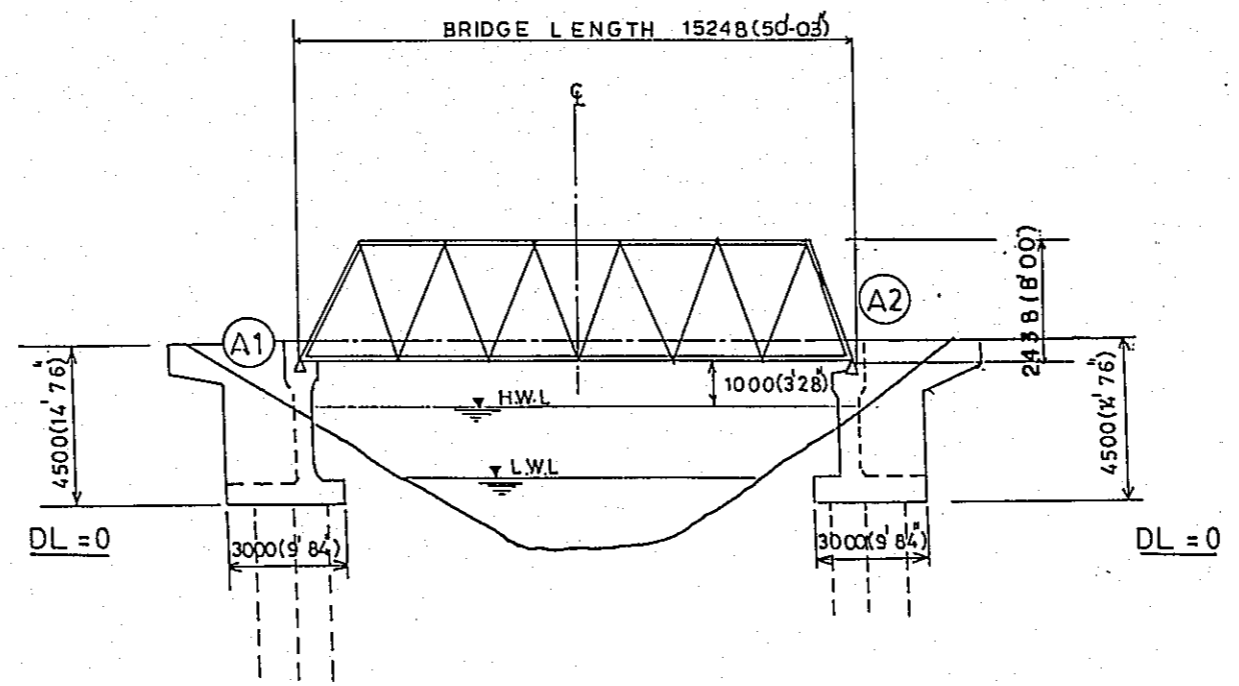


GENERAL ELEVATION
SCALE:-1: 200

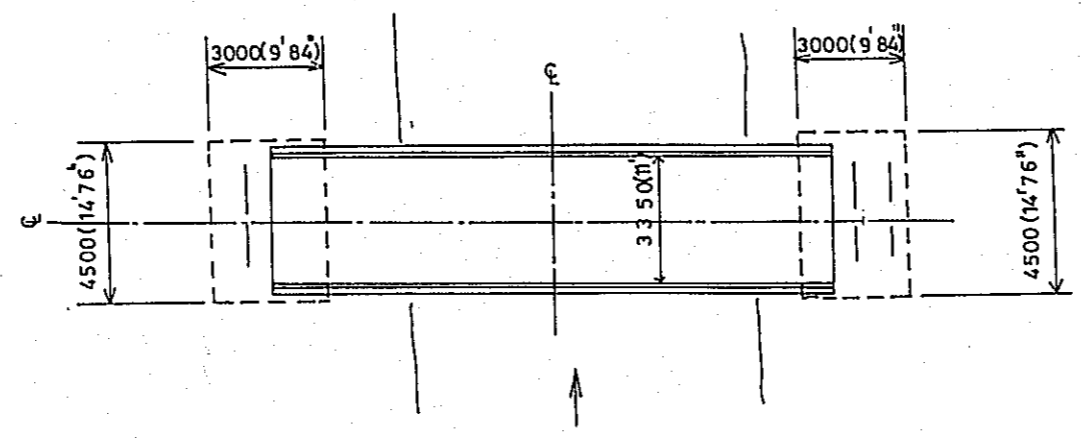


GENERAL PLAN
SCALE:-1: 200

BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDGE NO	LOCATION	SHEET NO
09-05-01	NOAKHALI	71



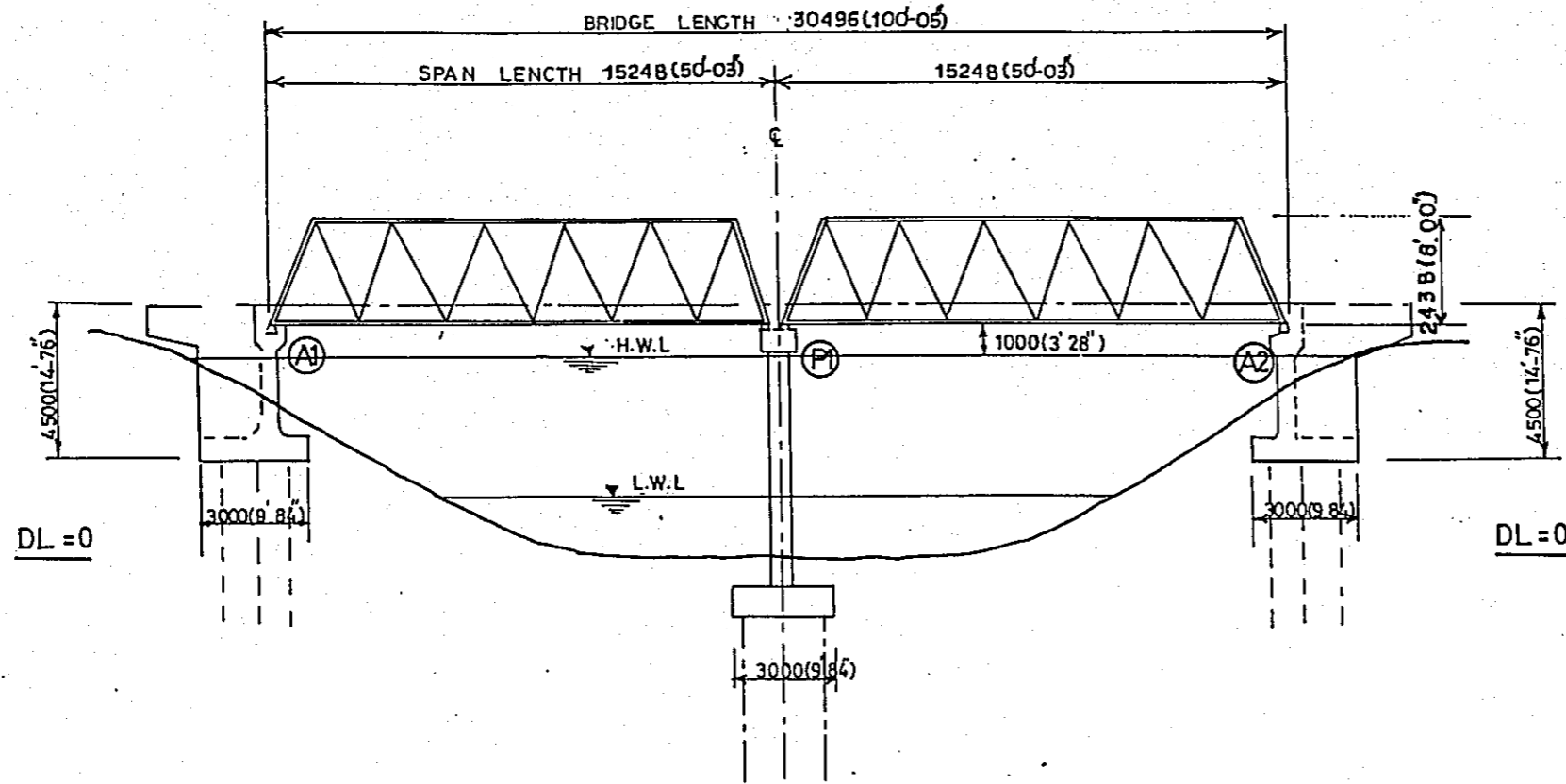
GENERAL ELEVATION
SCALE = 1:200



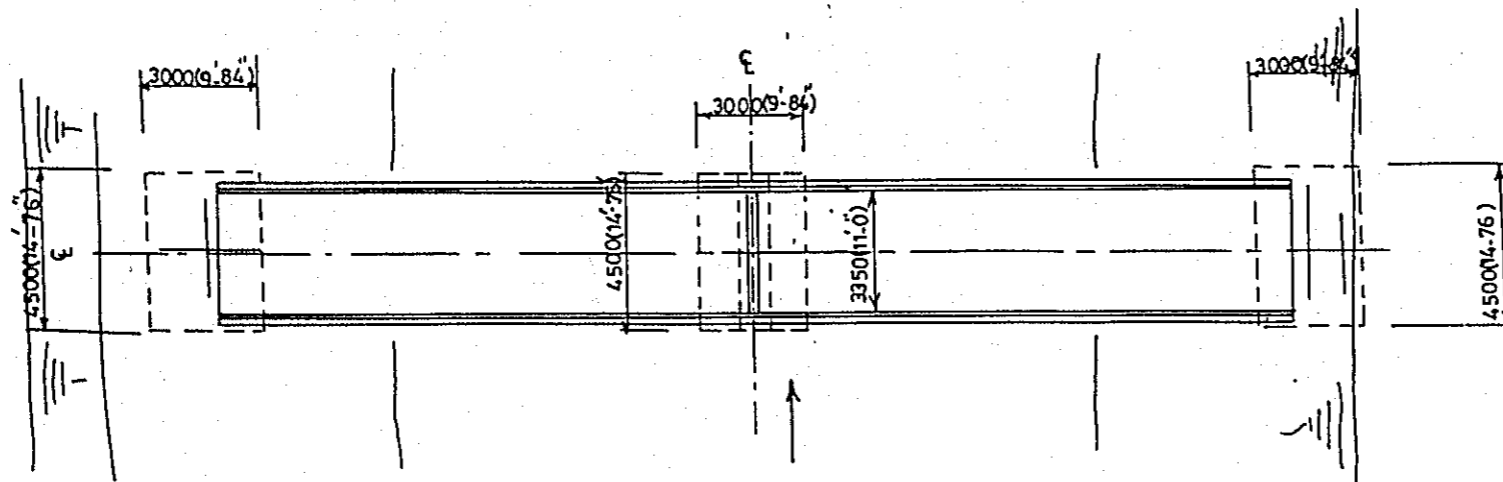
GENERAL PLAN
SCALE = 1:200

BASIC DESIGN STUDY ON THE PROJECT FOR
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS

BRIDGE NO	LOCATION	SHEET NO
10-01-01	LAXMI PUR	72

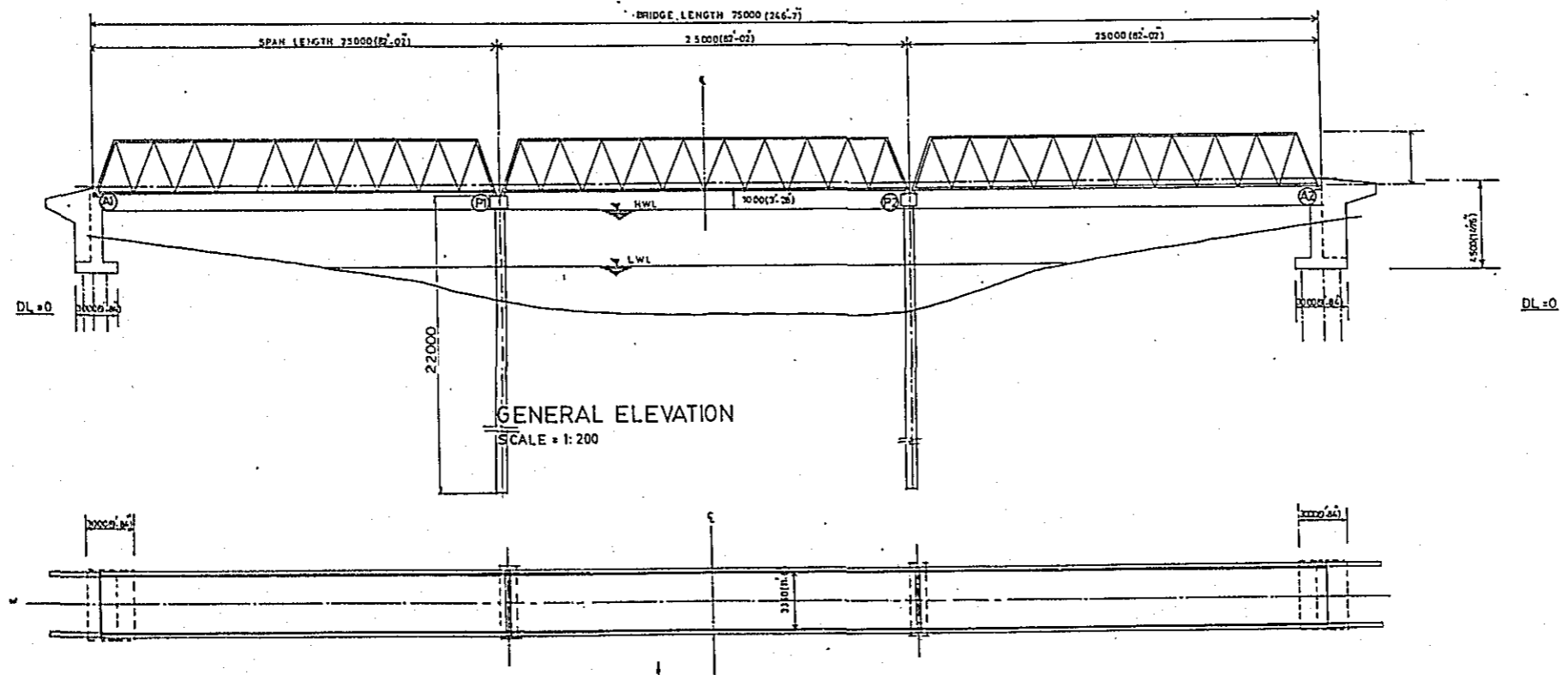


GENERAL ELEVATION
SCALE = 1:200



GENERAL PLAN
SCALE = 1:200

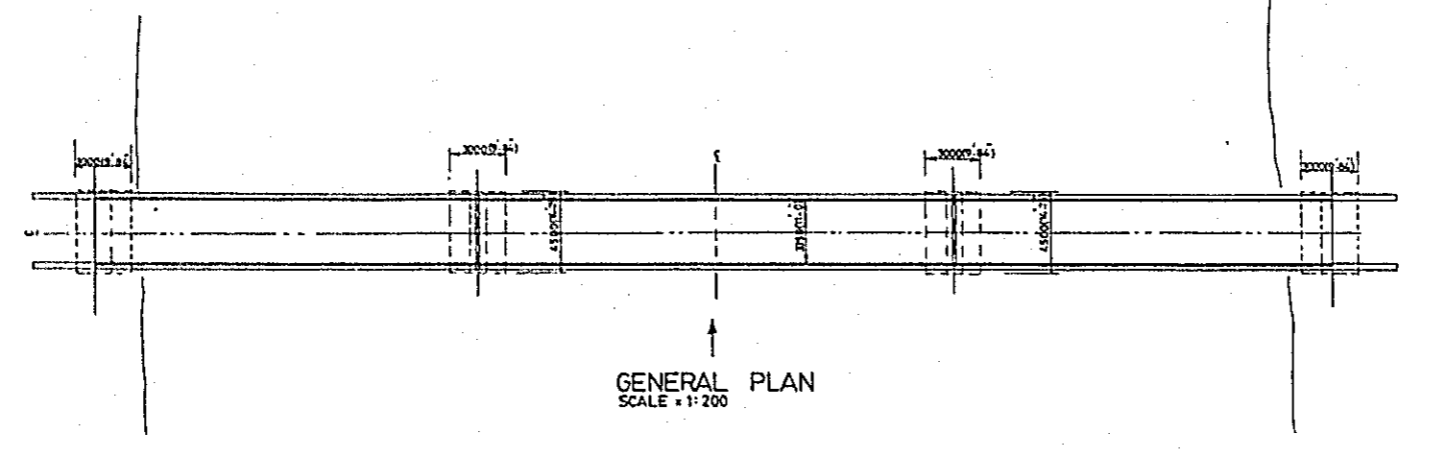
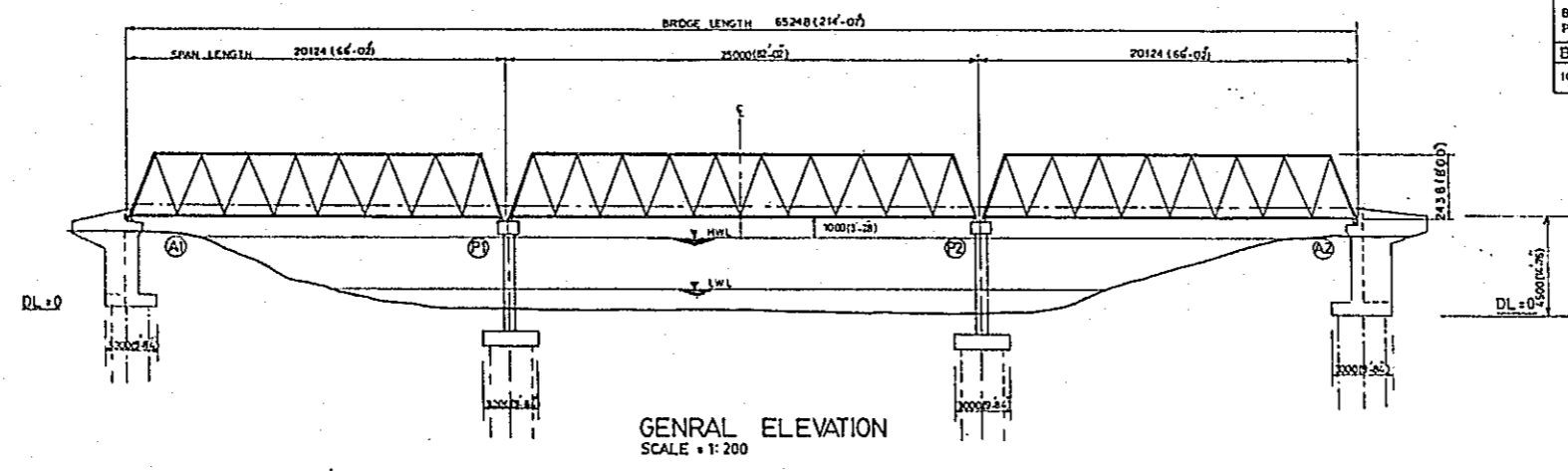
BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDGE NO	LOCATION	SHEET NO
10-02-01	LAXMIPUR	73



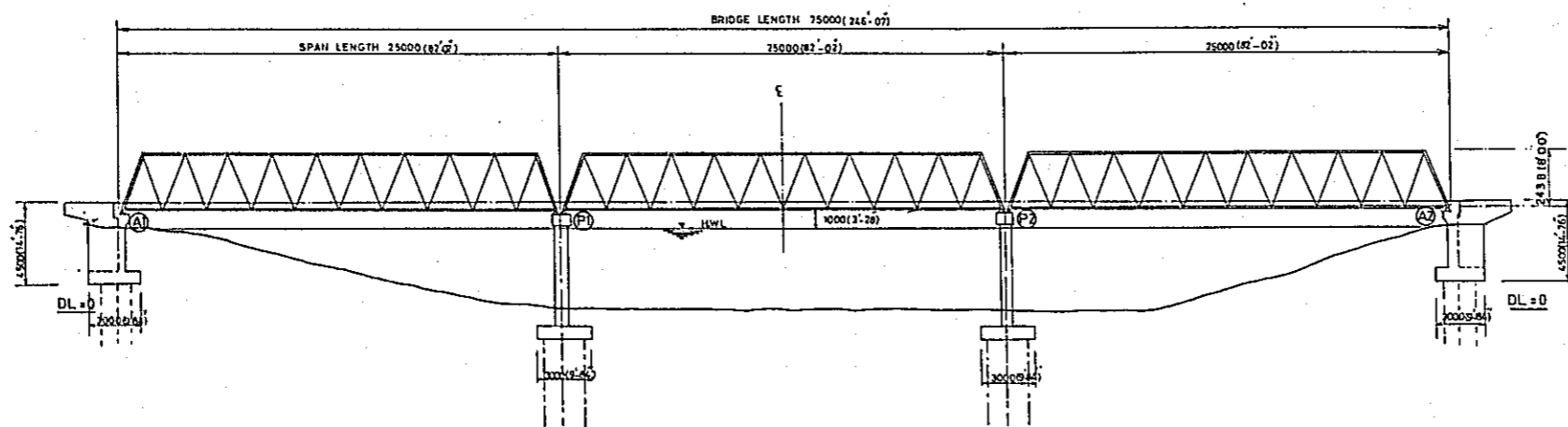
GENERAL ELEVATION
SCALE = 1: 200

GENERAL PLAN
SCALE = 1: 200

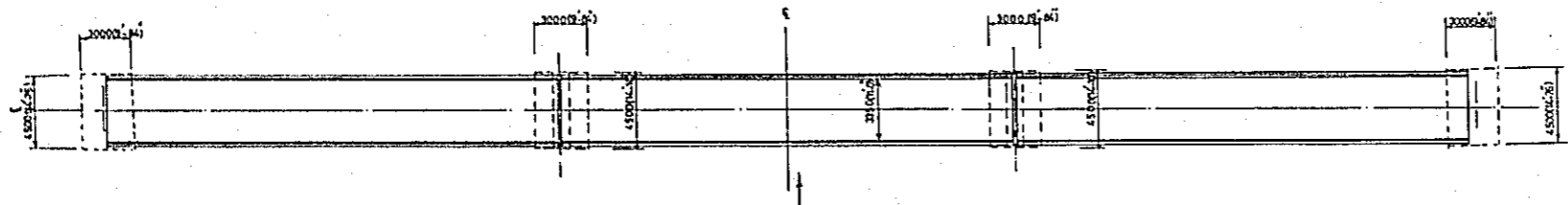
BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDGE NO	LOCATION	SHEET NO
10-03-01	LAXMIPUR	74



BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDGE NO	LOCATION	SHEET NO
11-01-01	NARSINGDI	75



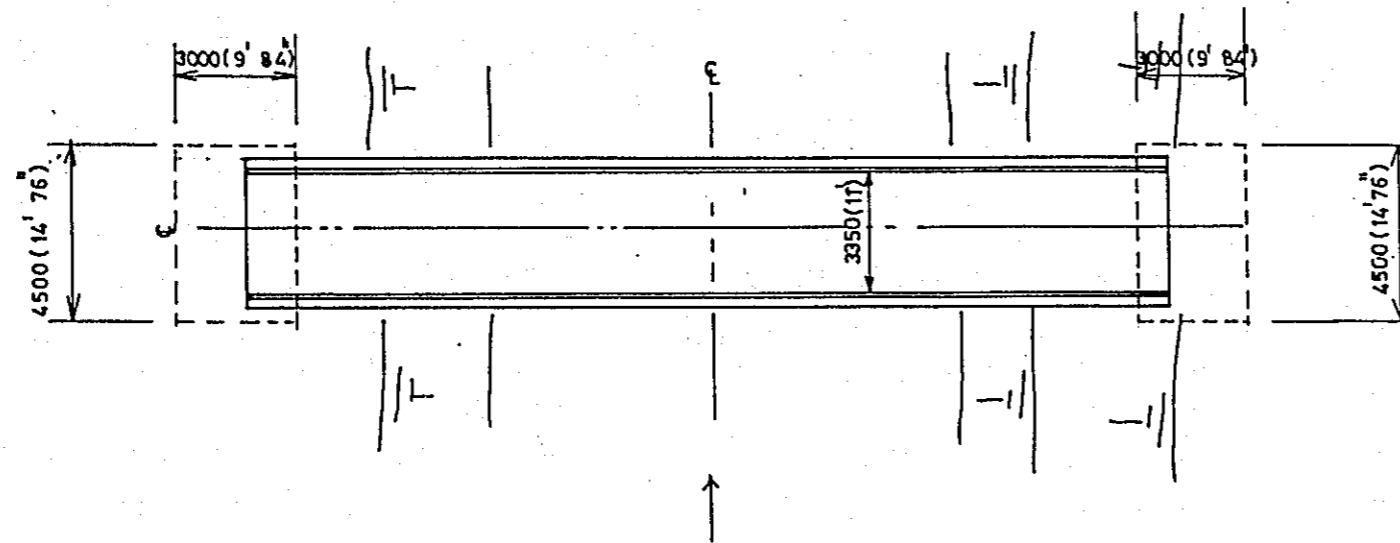
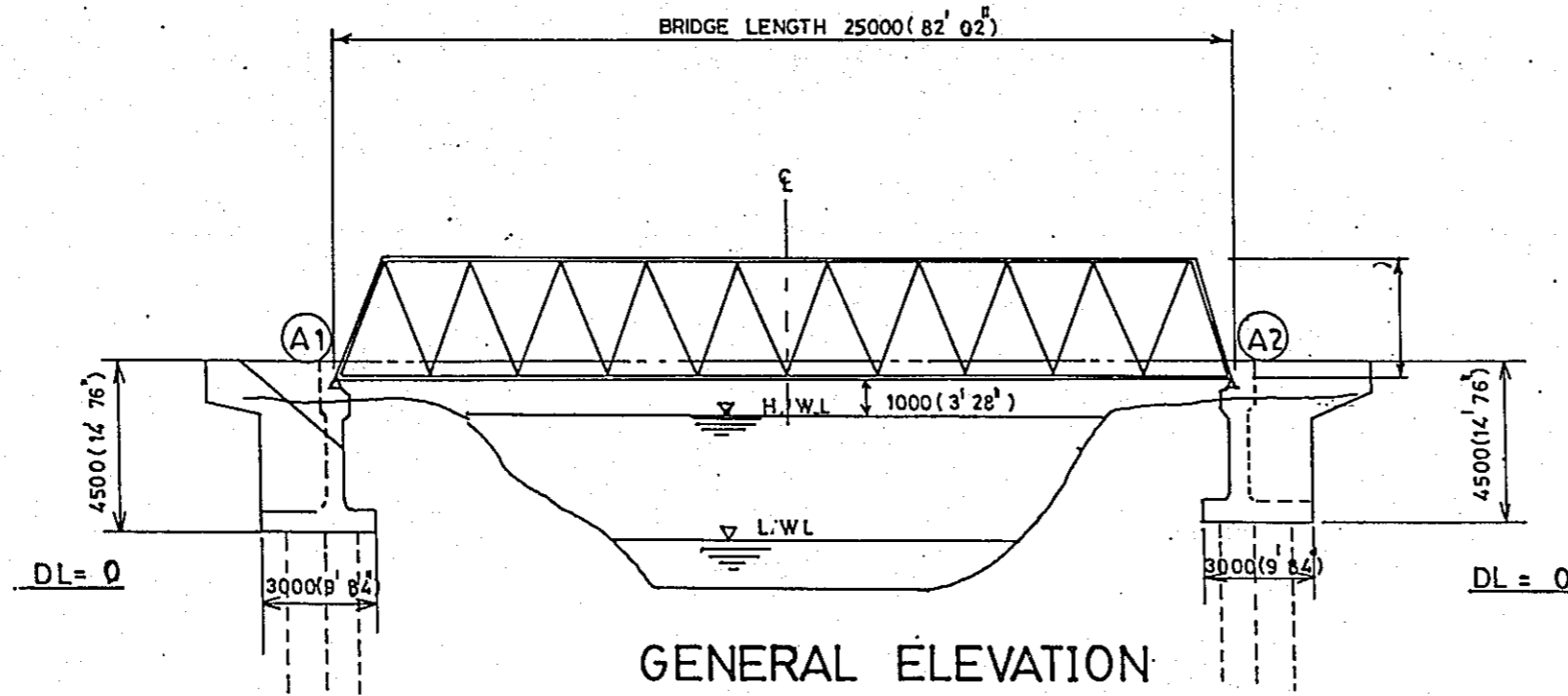
GENERAL ELEVATION
SCALE = 1:200



GENERAL PLAN
SCALE = 1:200

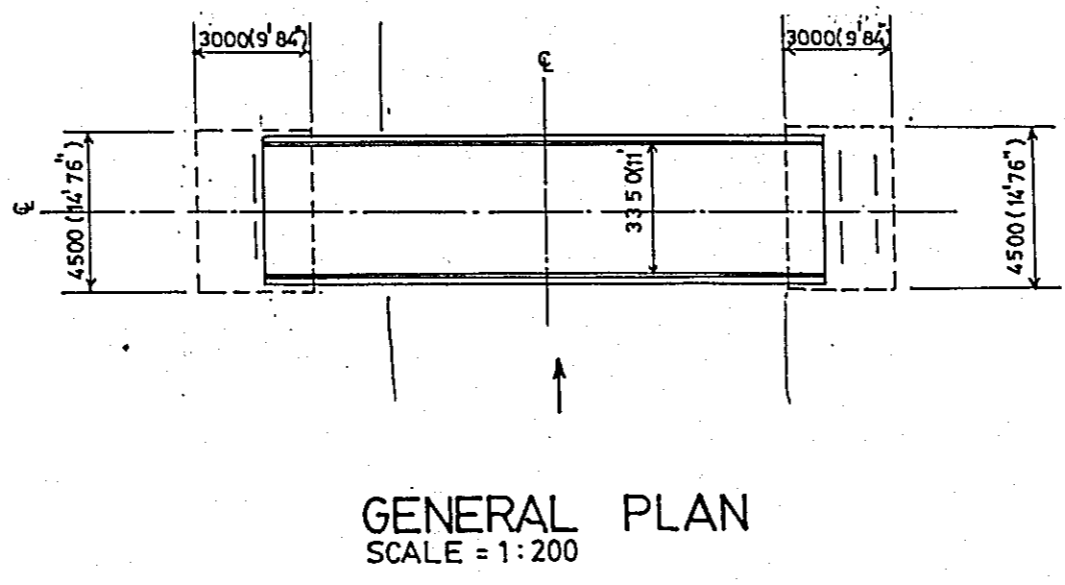
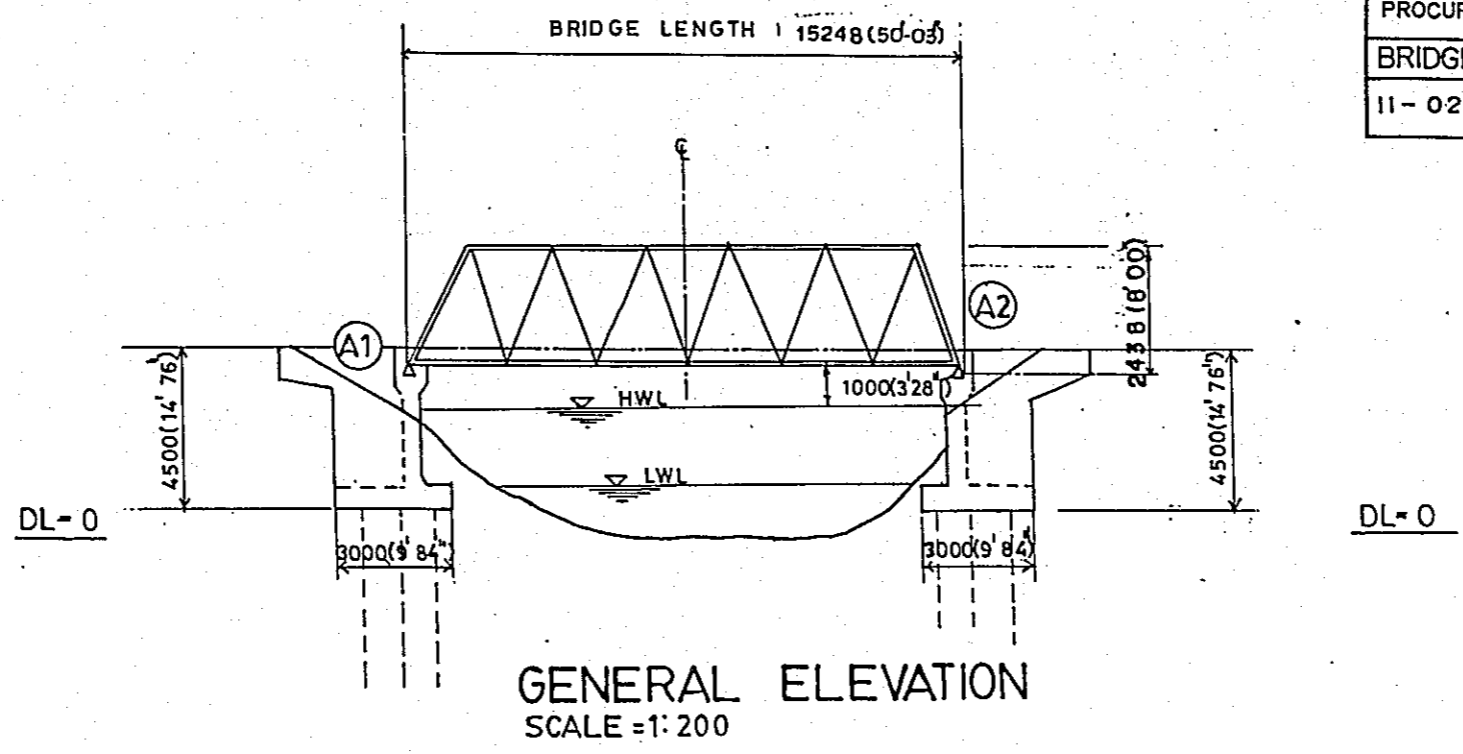
BASIC DESIGN STUDY ON THE PROJECT FOR
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS

BRIDGE NO	LOCATION	SHEET NO
11-02-01	NARSINGDI	76



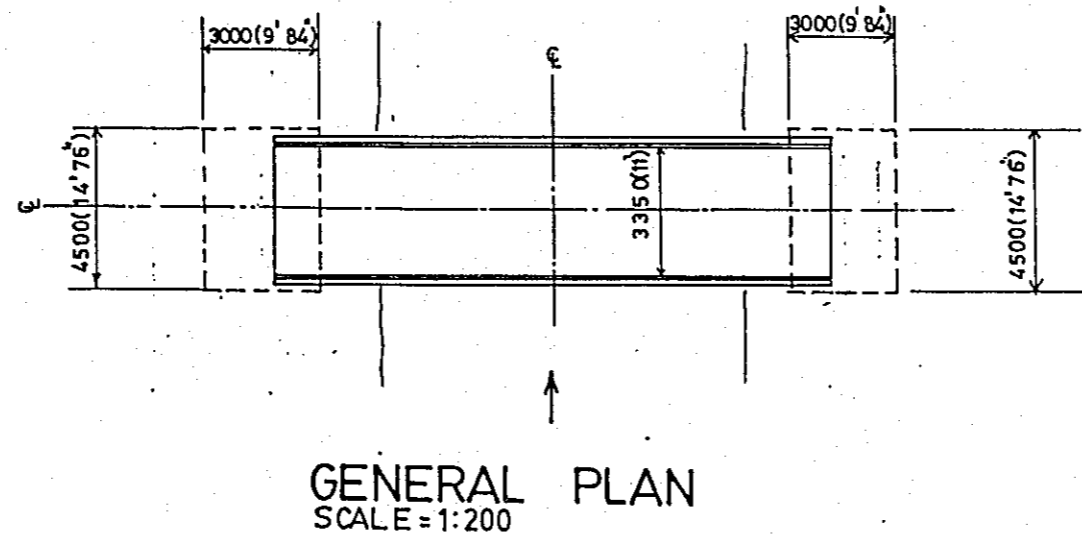
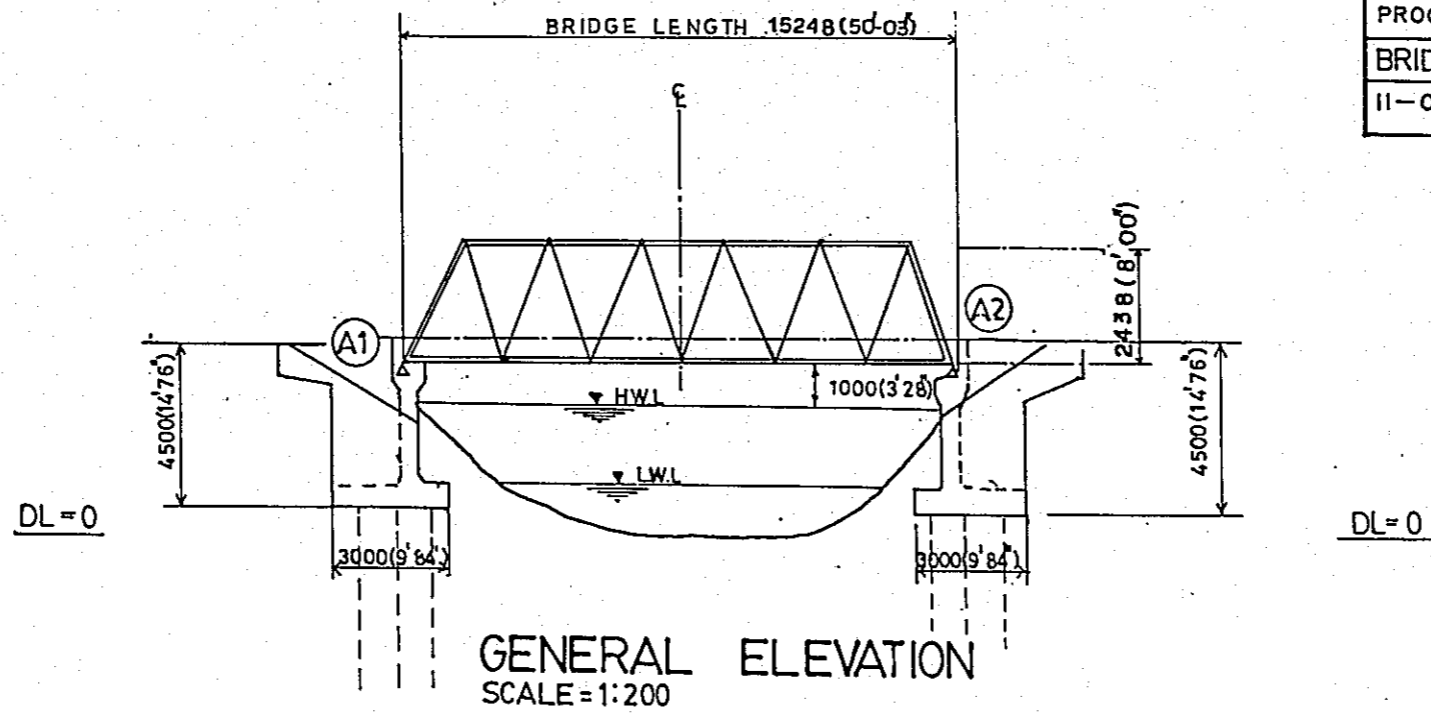
BASIC DESIGN STUDY ON THE PROJECT FOR
PROCUREMENT OF PORABLE STEEL BRIDGES FOR RURAL ROADS

BRIDGE NO	LOCATION	SHEE NO
11-02-02	NARSINGDI	77

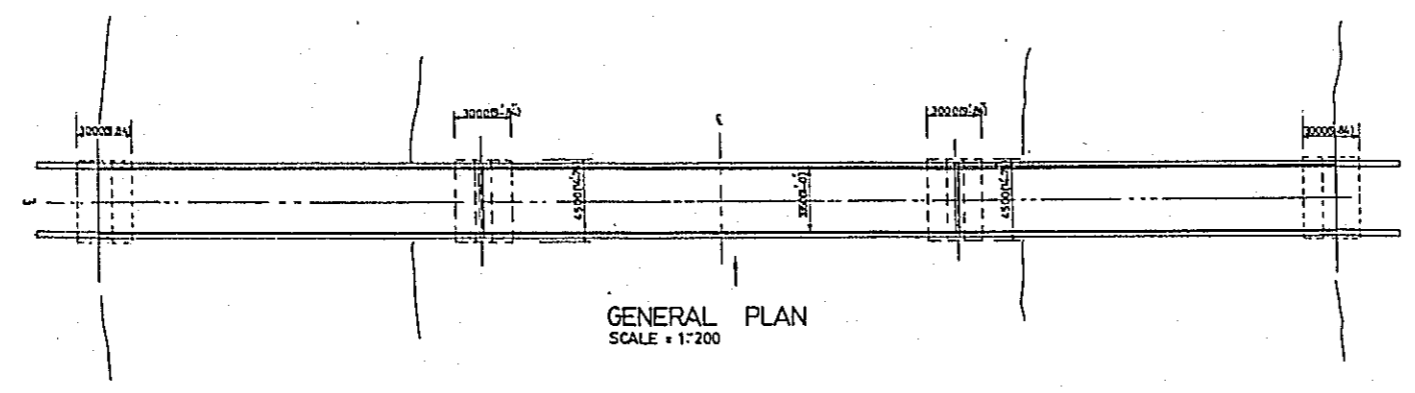
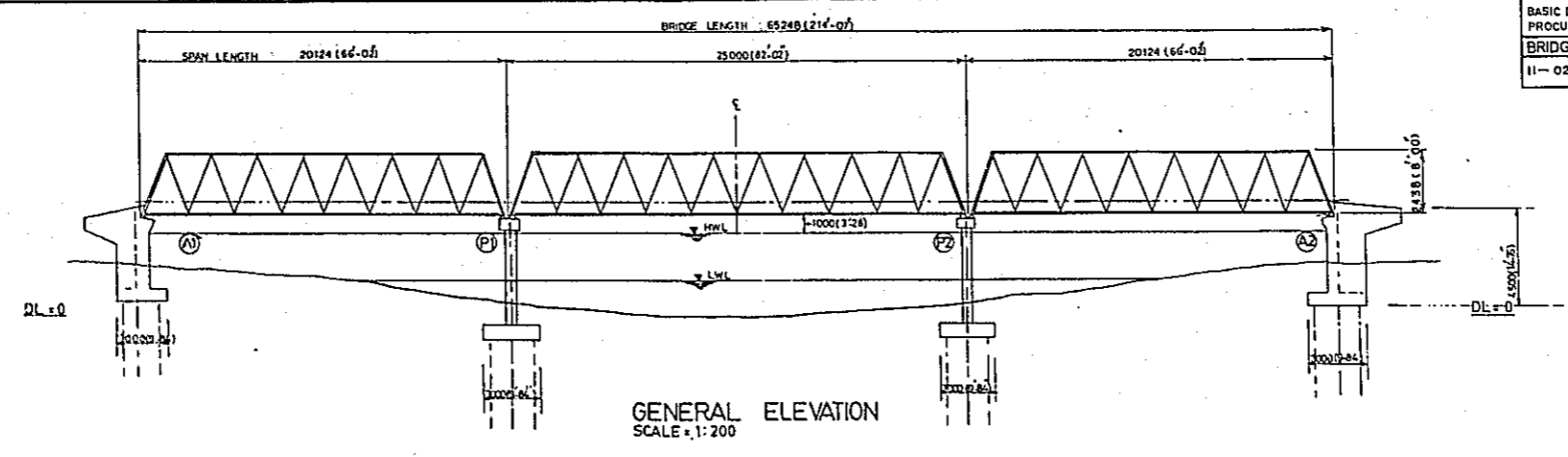


BASIC DESIGN STUDY ON THE PROJECT FOR
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS

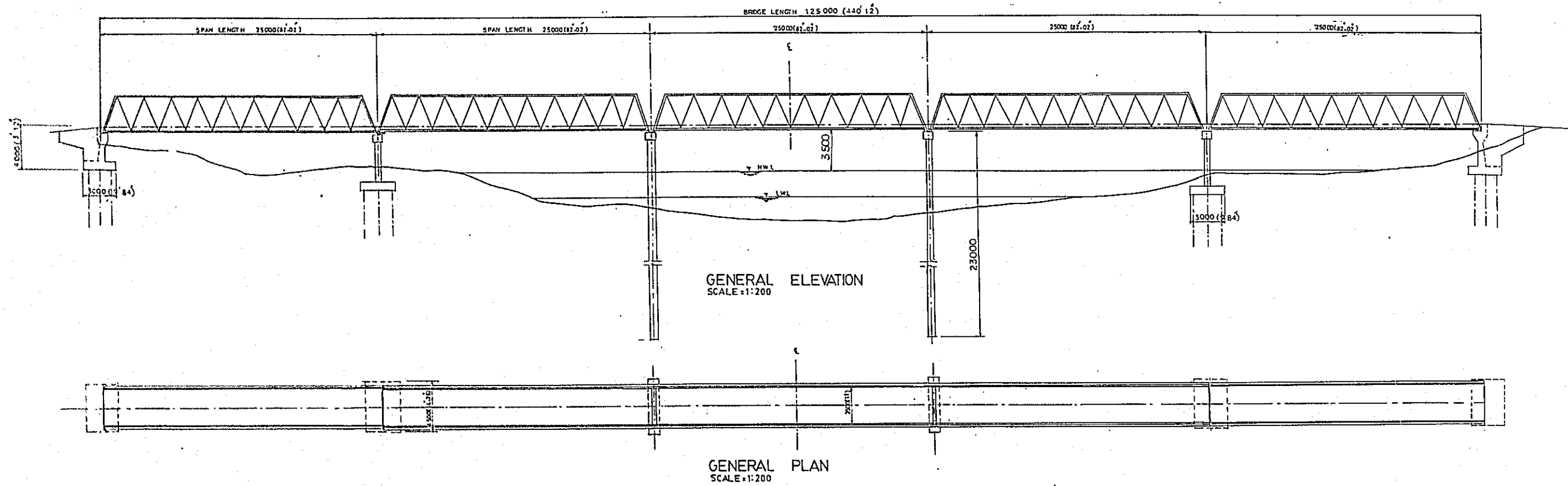
BRIDGE NO	LOCATION	SHEET NO
11-02-03	NARSINGDI	78

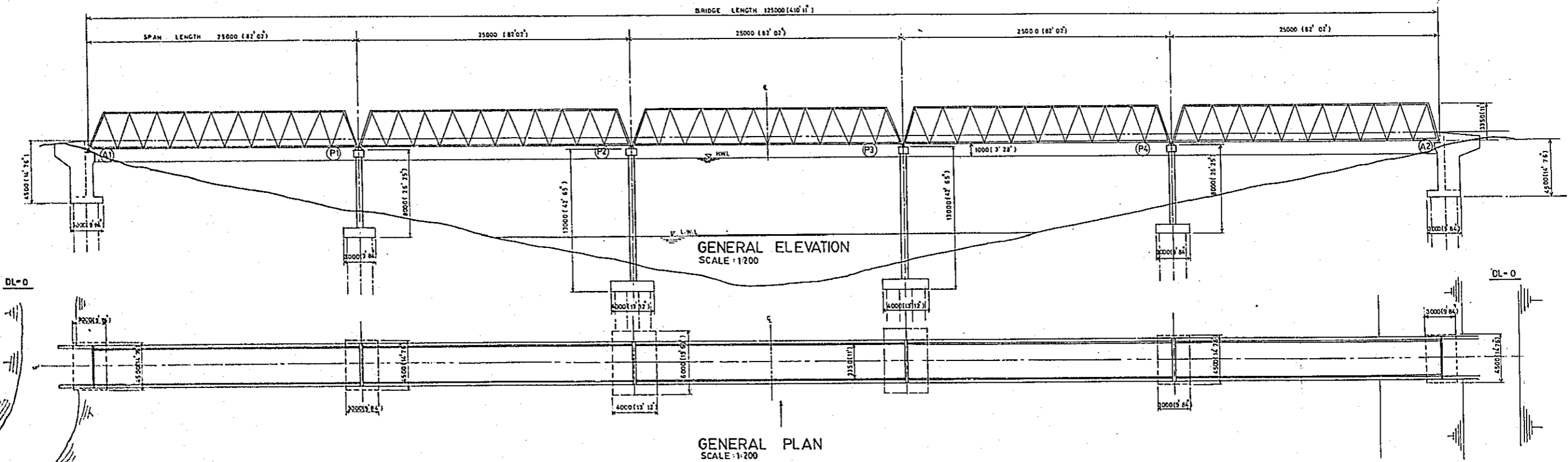


BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDGE NO	LOCATION	SHEET NO
11-02-04	NARSINGDI	79



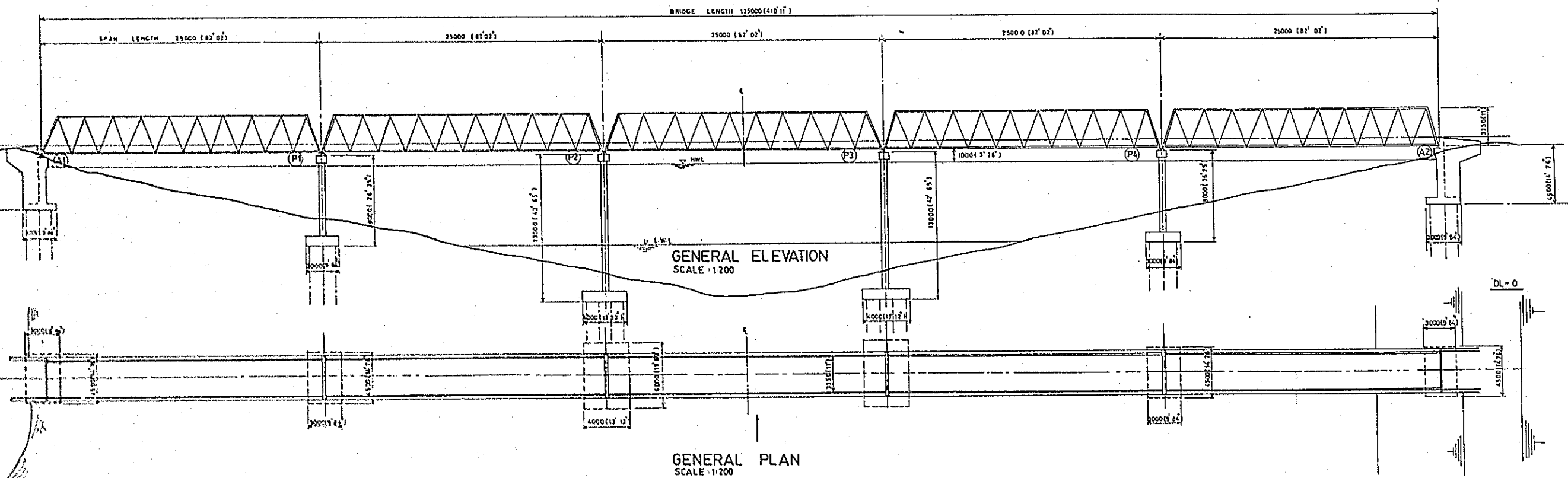
BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDGE NO	LOCATION	SHEET NO
11-03-02	NARSINGDI	80



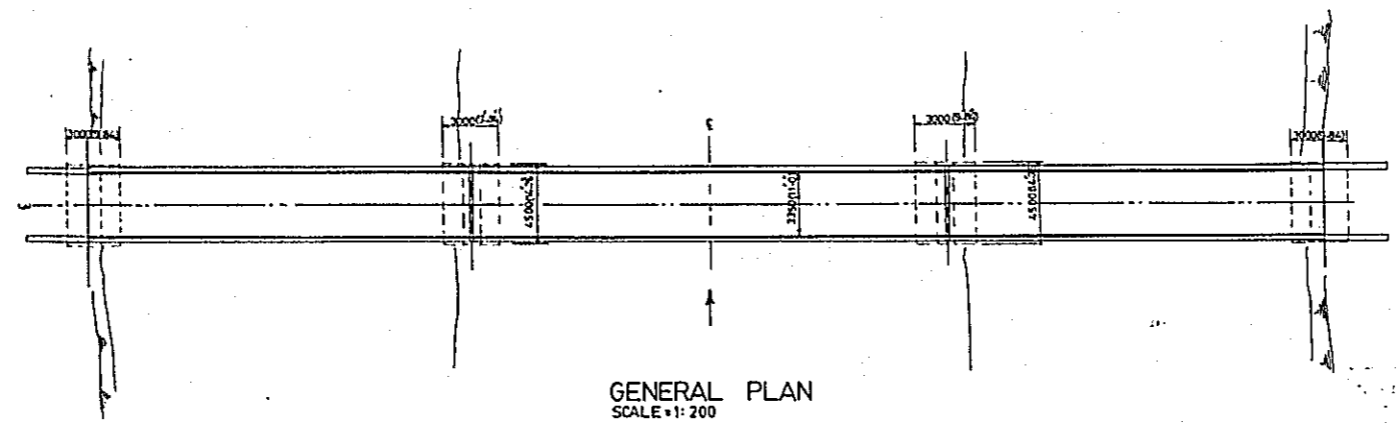
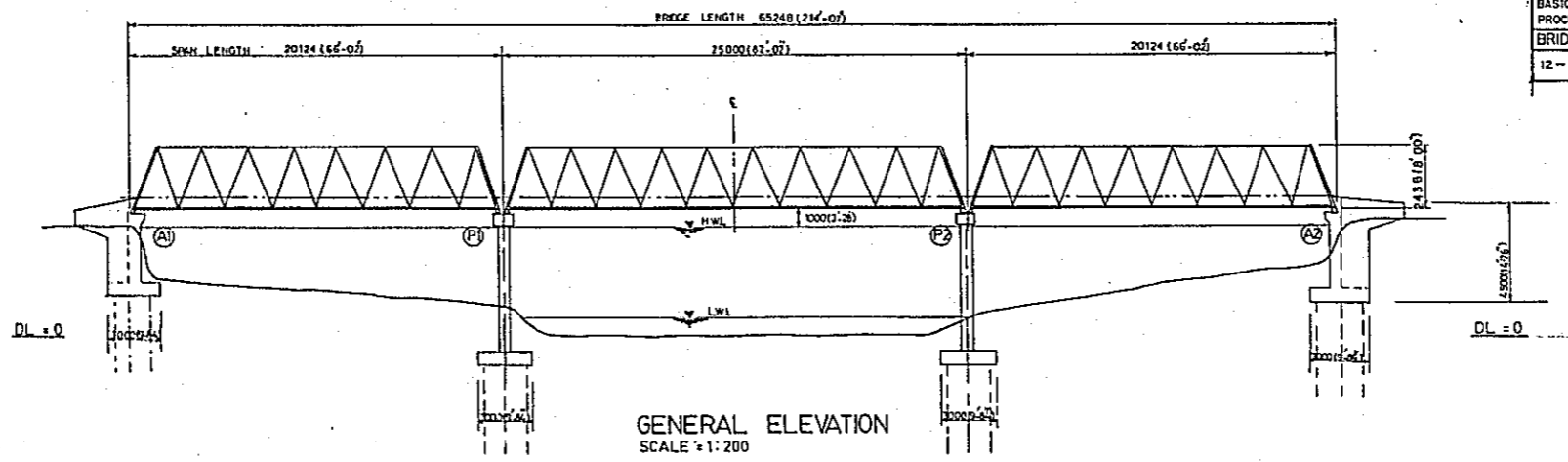


GENERAL ELEVATION
SCALE: 1/200

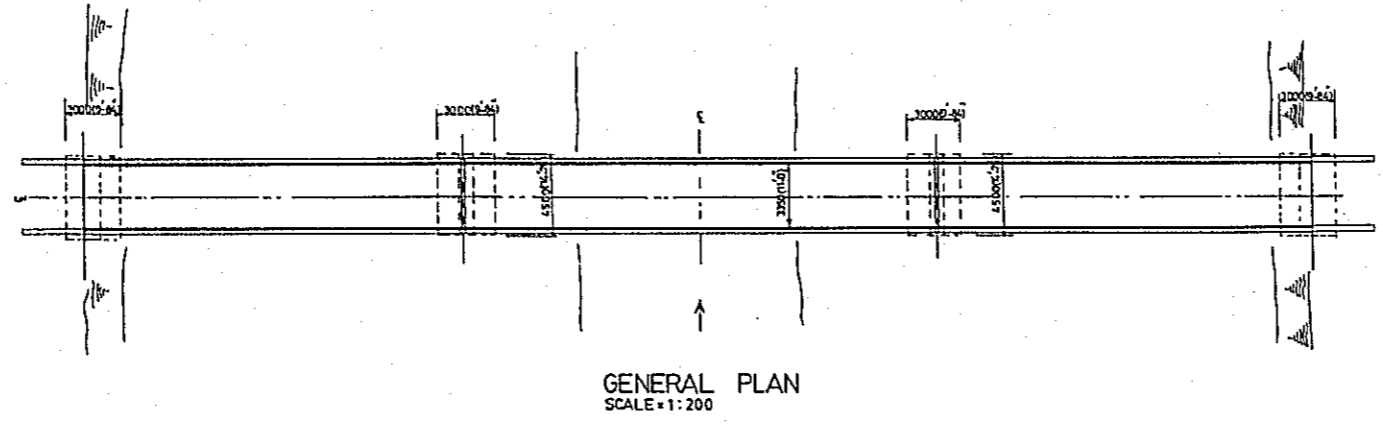
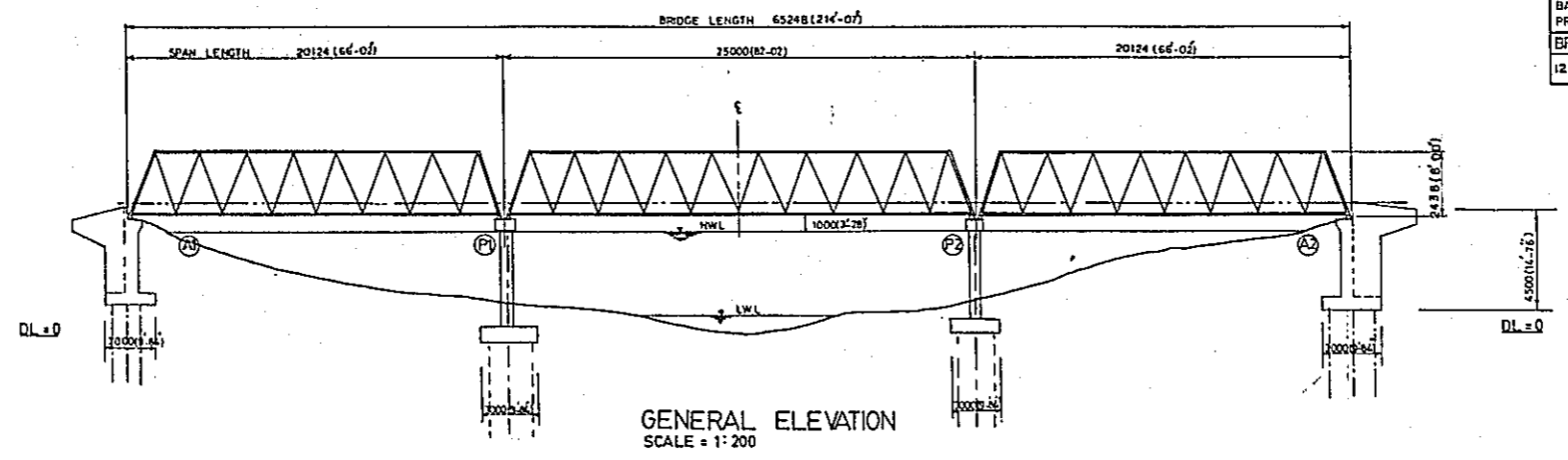
GENERAL PLAN
SCALE: 1/200

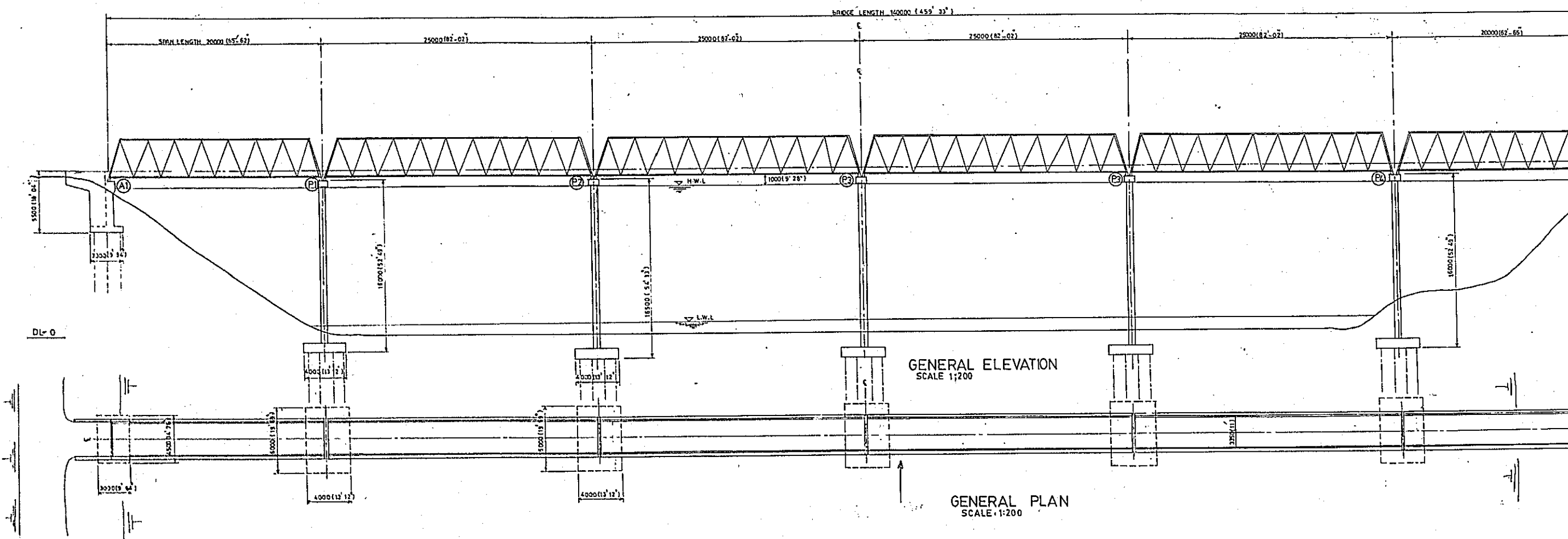


BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDGE NO	LOCATION	SHEET NO
12-01-02	FARIDPUR	82

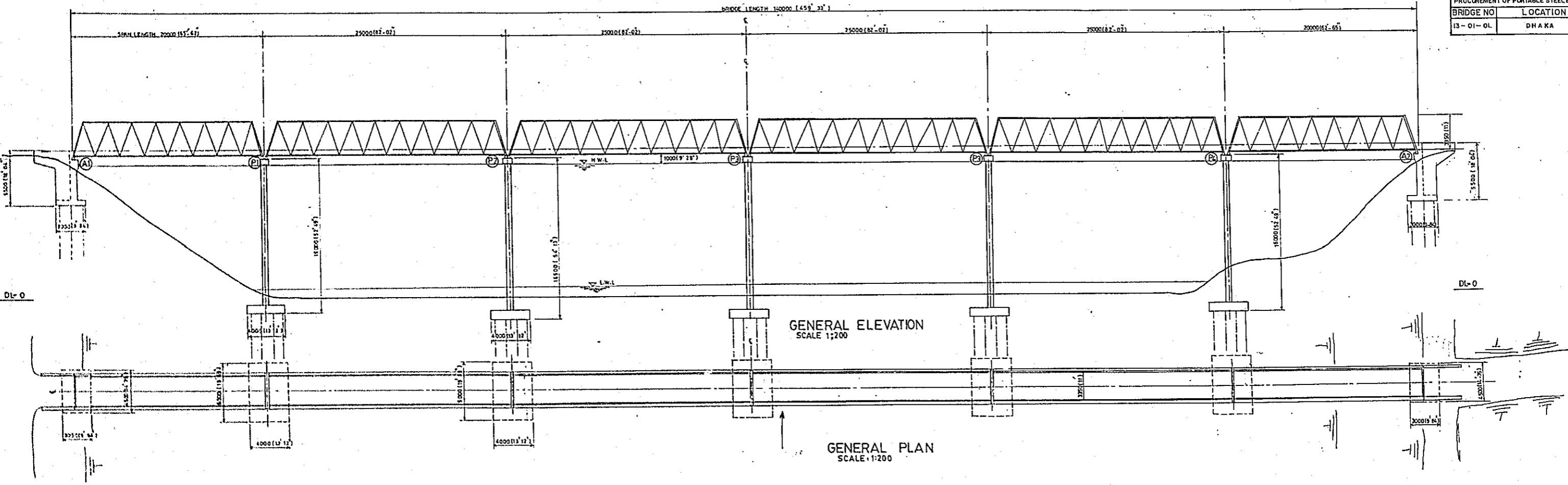


BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDGE NO	LOCATION	SHEET NO
12-02-01	FARIDPUR	83

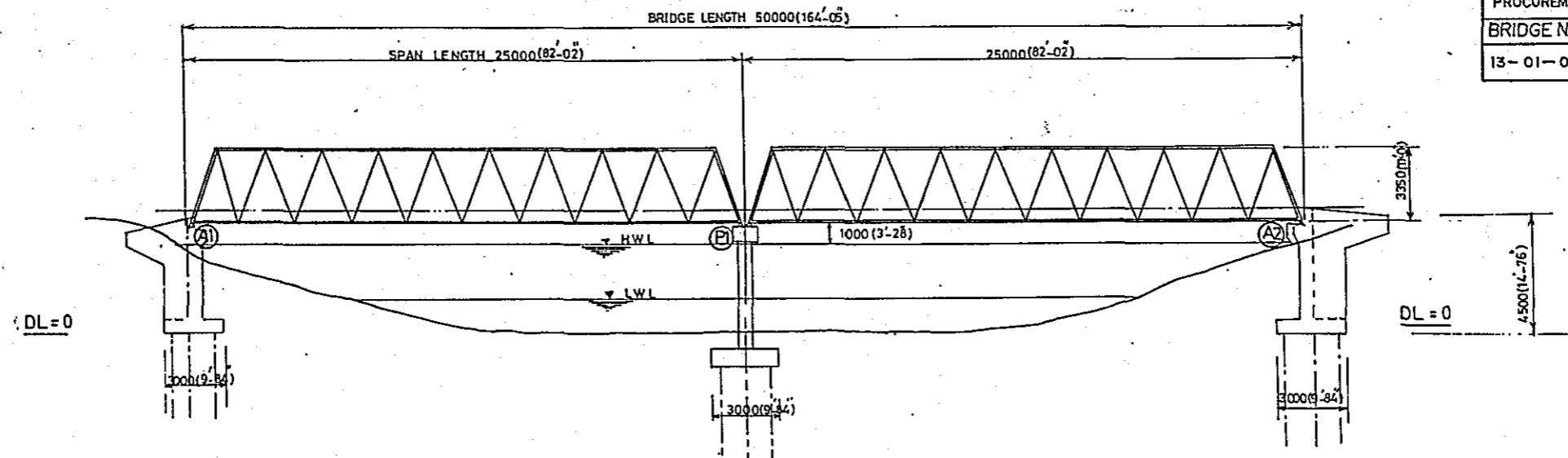




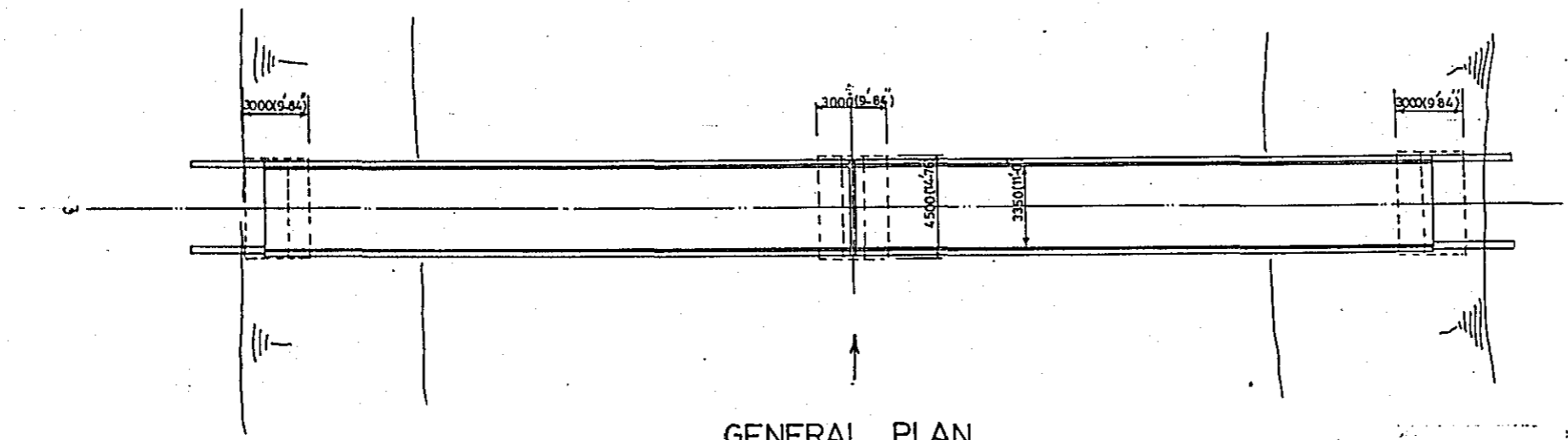
BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDGE NO	LOCATION	SHEET NO
13-01-01	DHAKA	84



BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDGE NO	LOCATION	SHEET NO
13-01-02	DHAKA	85



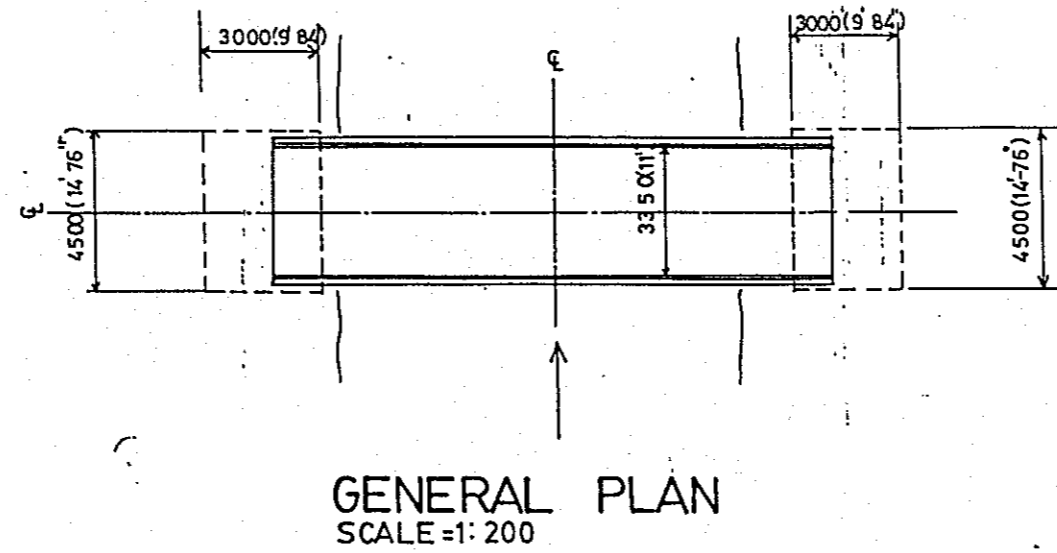
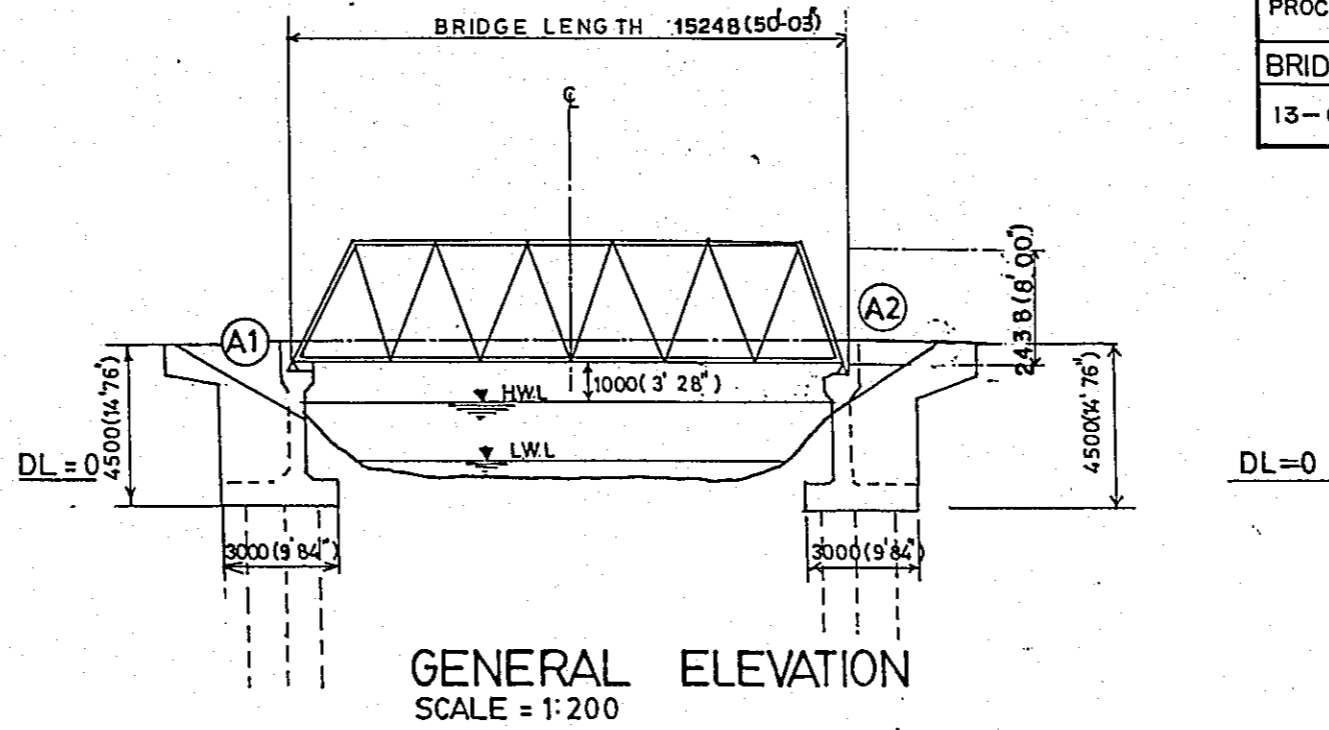
GENERAL ELEVATION
SCALE = 1:200



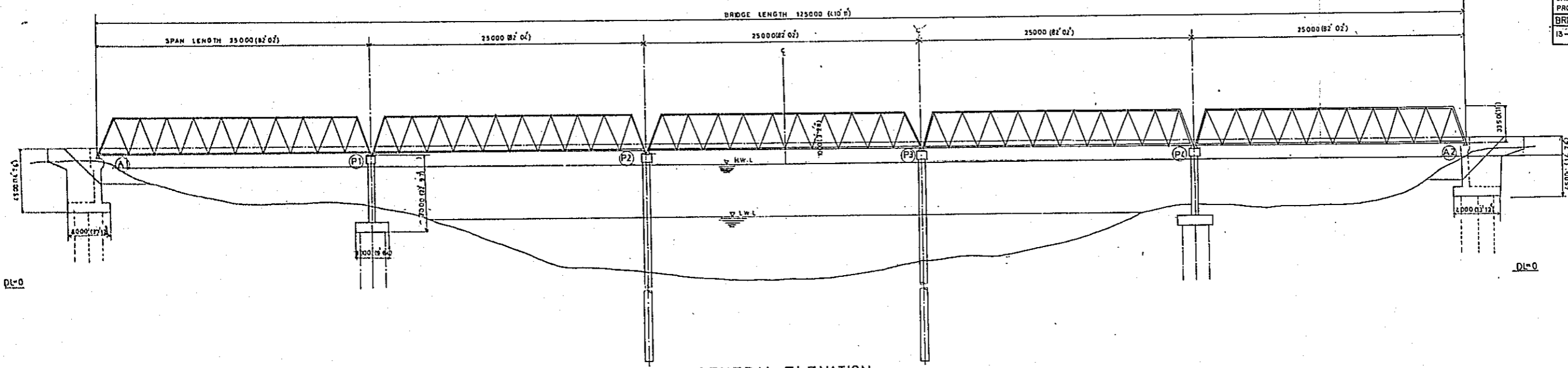
GENERAL PLAN
SCALE = 1:200

BASIC DESIGN STUDY ON THE PROJECT FOR
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS

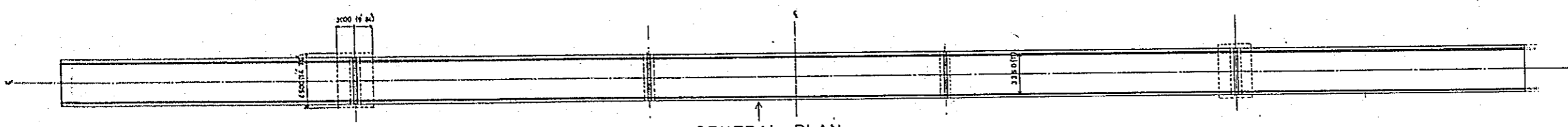
BRIDGE NO	LOCATION	SHEET NO
13-01-03	DHAKA	86



BASIC DESIGN STUDY ON THE PROJECT FOR		
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDGE NO	LOCATION	SHEET NO
18-02-01	DHAKA	87



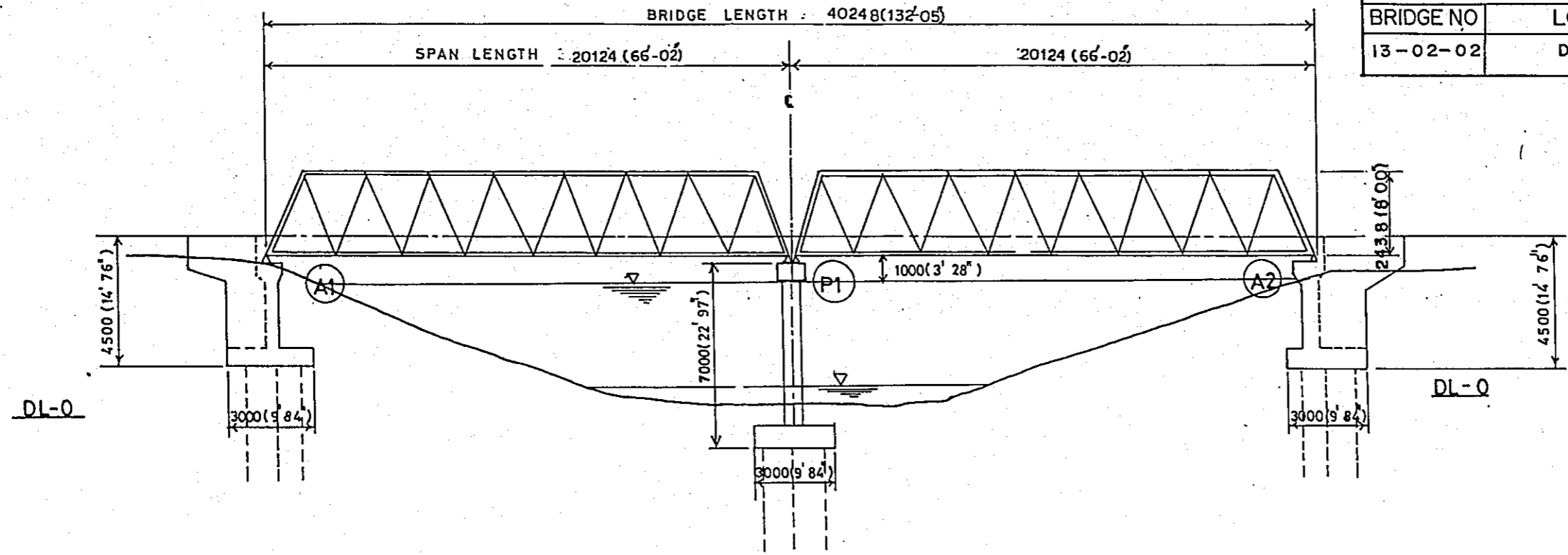
GENERAL ELEVATION
SCALE: 1:200



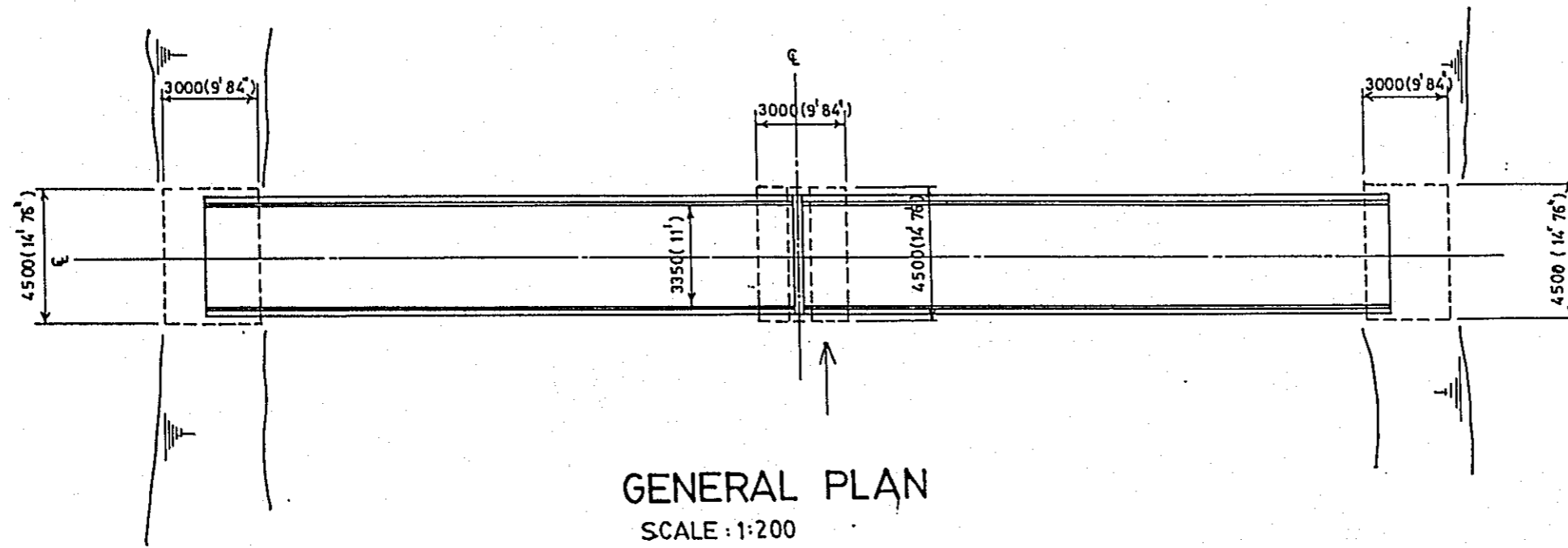
GENERAL PLAN
SCALE: 1:200

BASIC DESIGN STUDY ON THE PROJECT FOR
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS

BRIDGE NO	LOCATION	SHEET NO
13-02-02	DHAKA	88

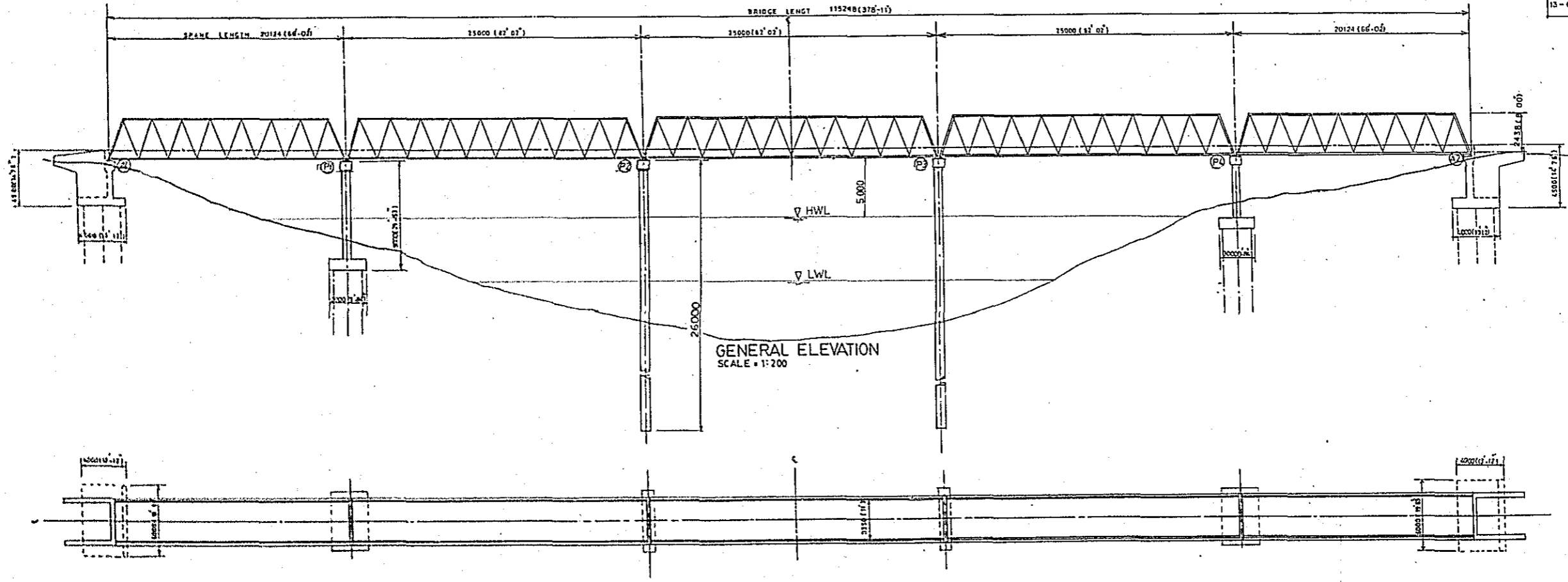


GENERAL ELEVATION
SCALE : 1:200



GENERAL PLAN
SCALE : 1:200

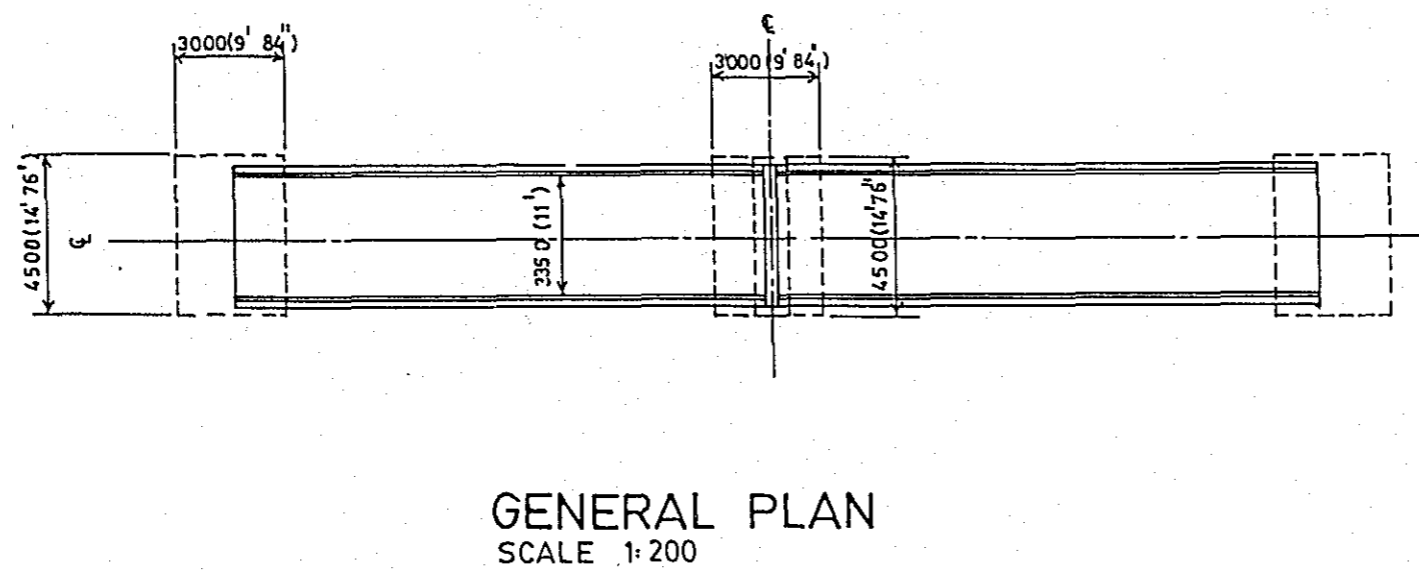
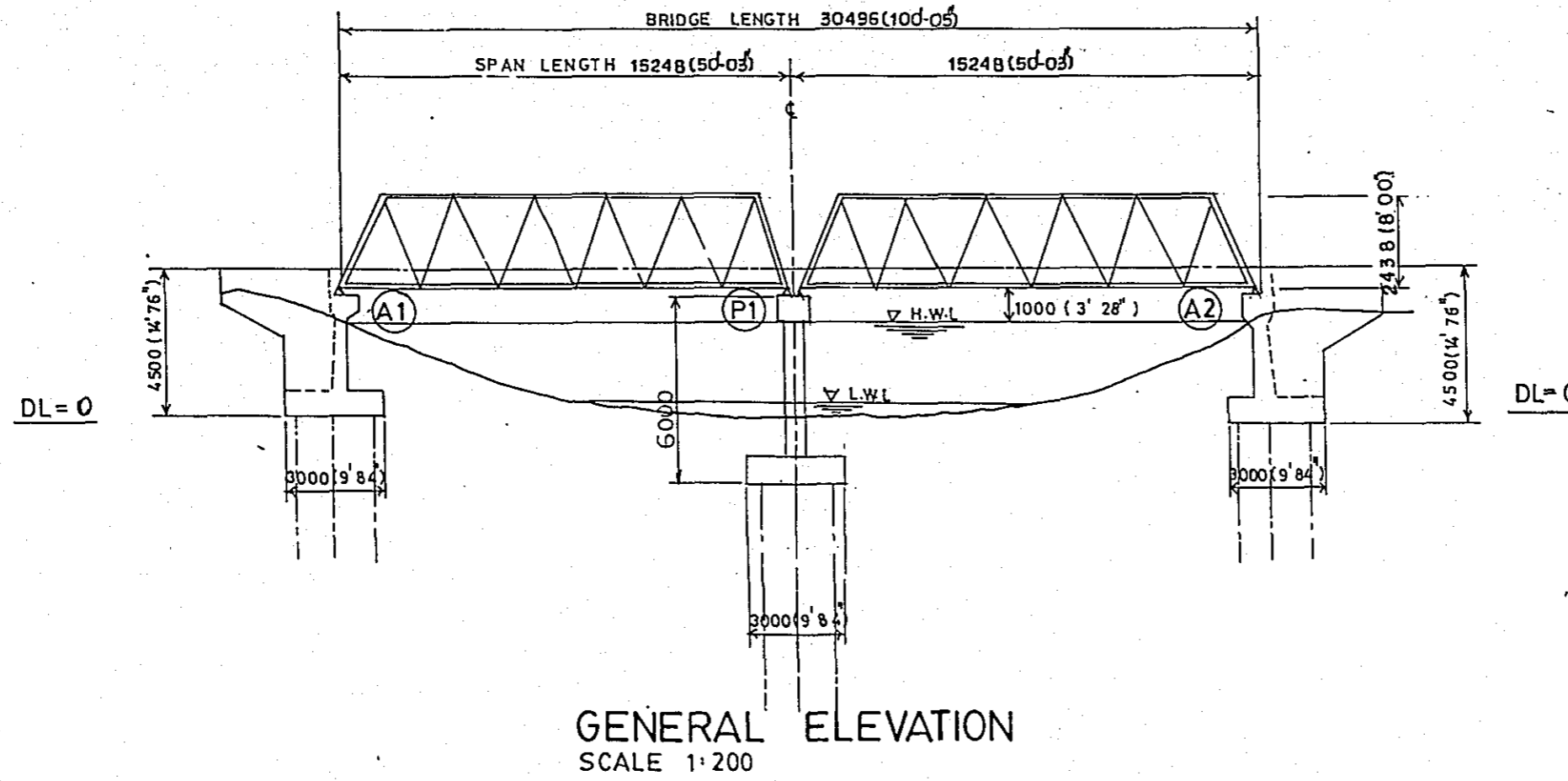
BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDGE NO.	LOCATION	SHEET NO.
13-03-01	DHAKA	89



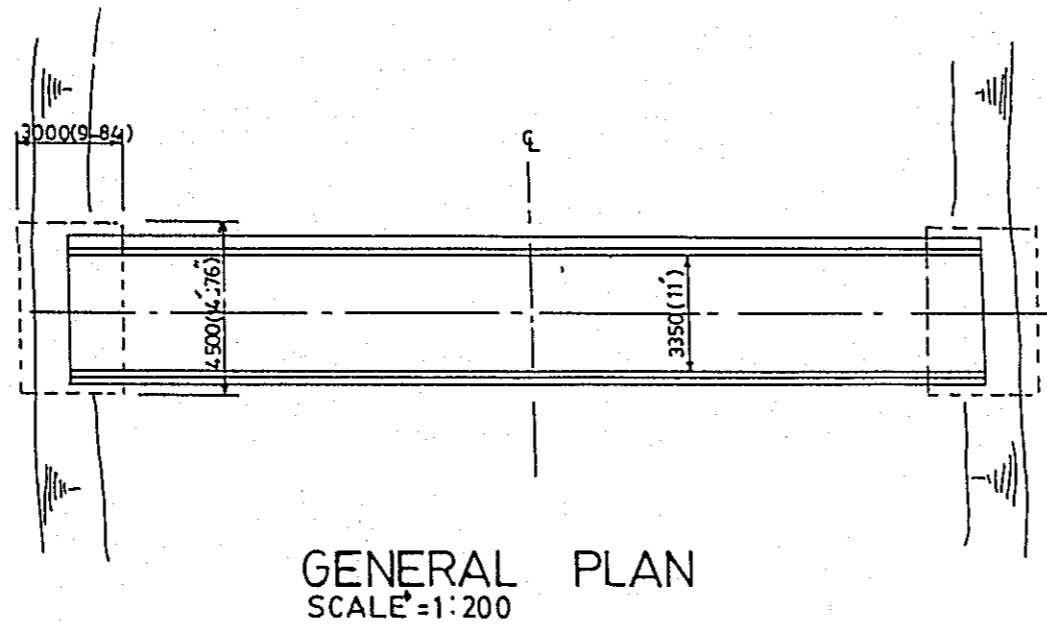
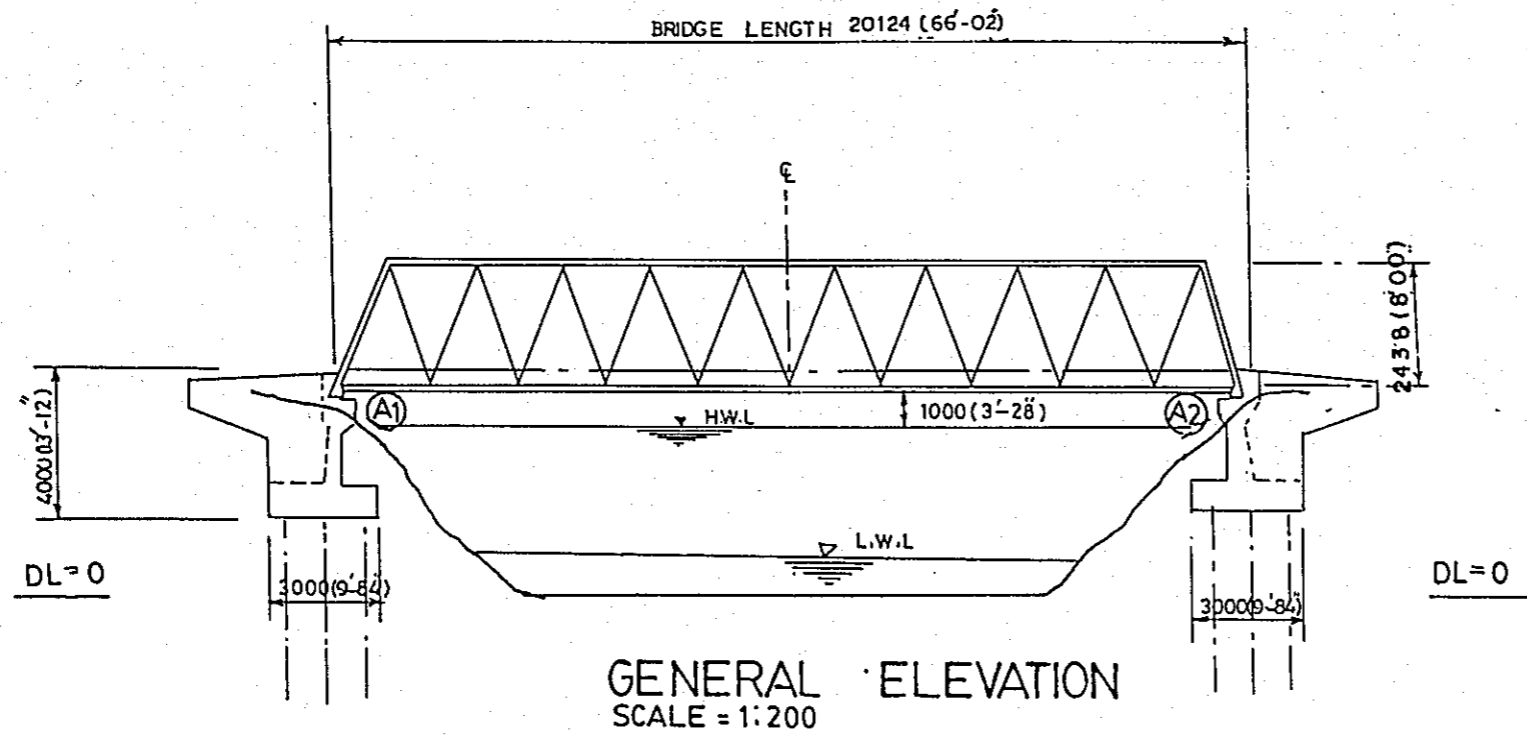
GENERAL ELEVATION
SCALE = 1:200

GENERAL PLAN
SCALE = 1:200

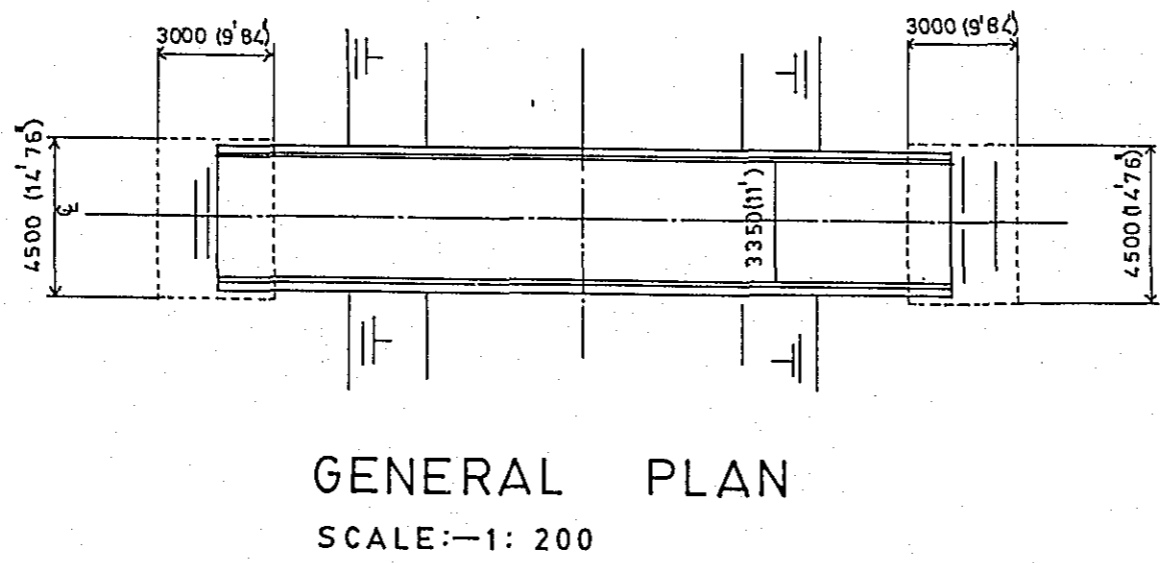
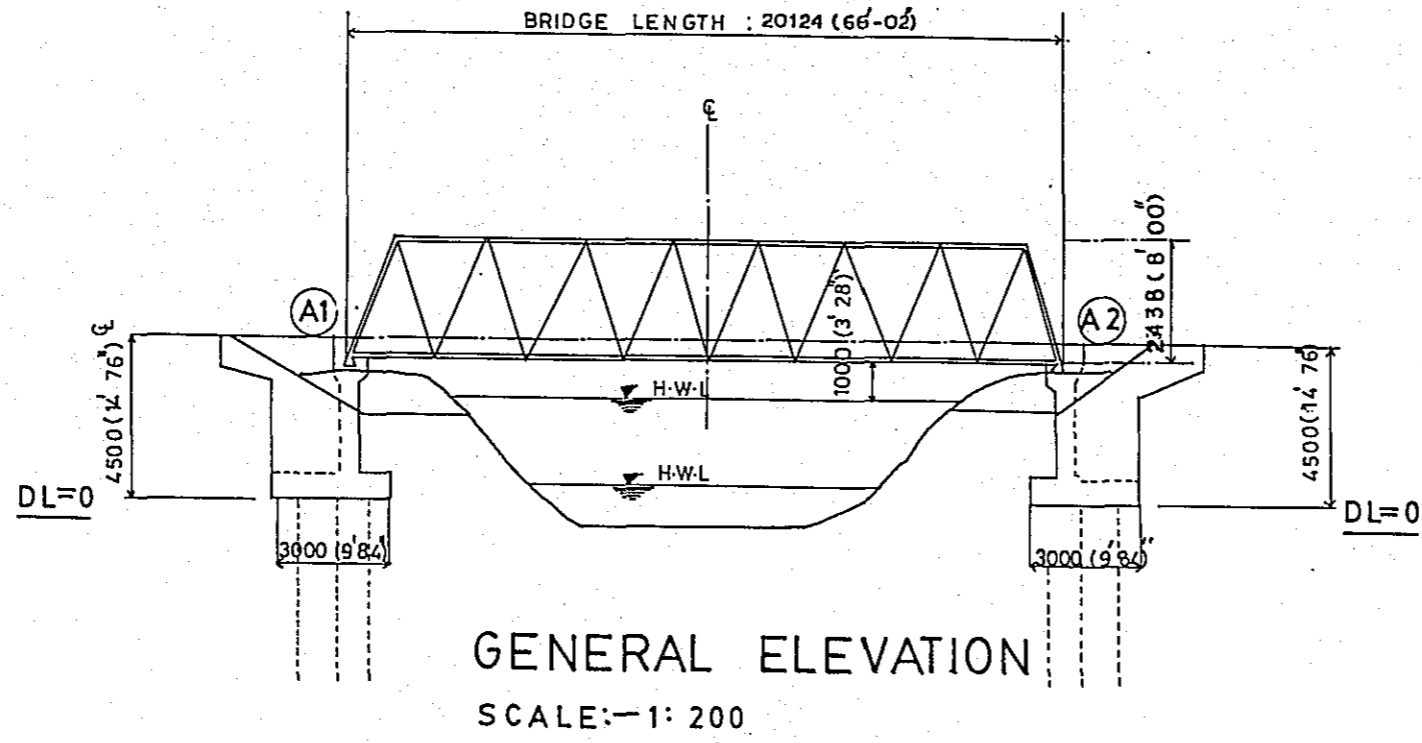
BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDGE NO	LOCATION	SHEET NO
13-03-02	DHAKA	90



BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDGE NO	LOCATION	SHEET NO
14-01-01	MUSHIGONJ	91

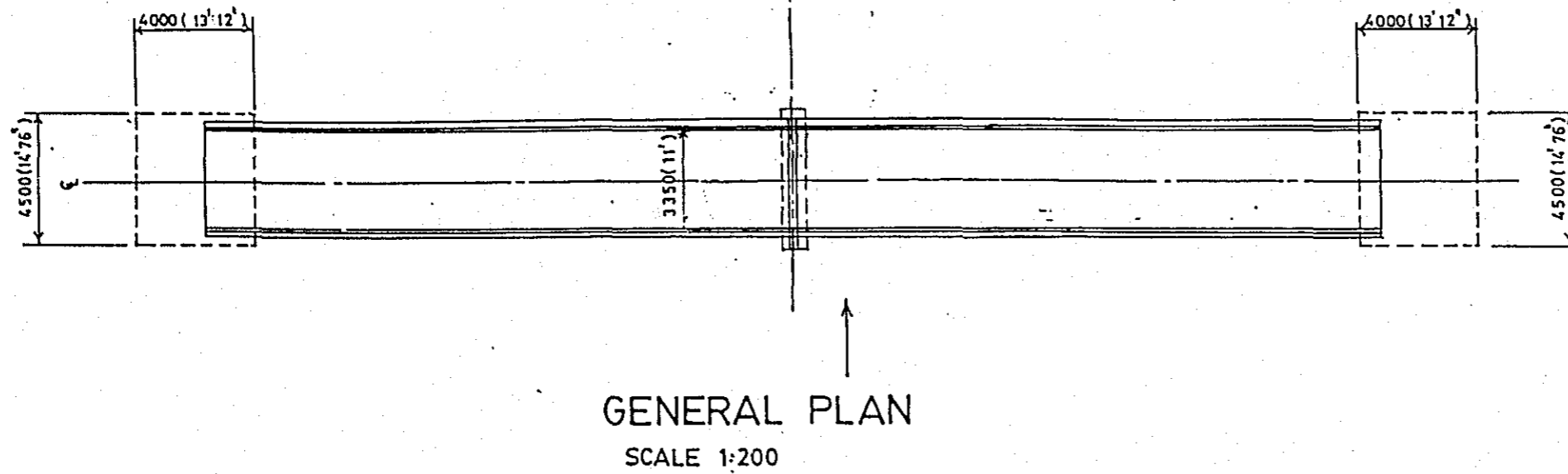
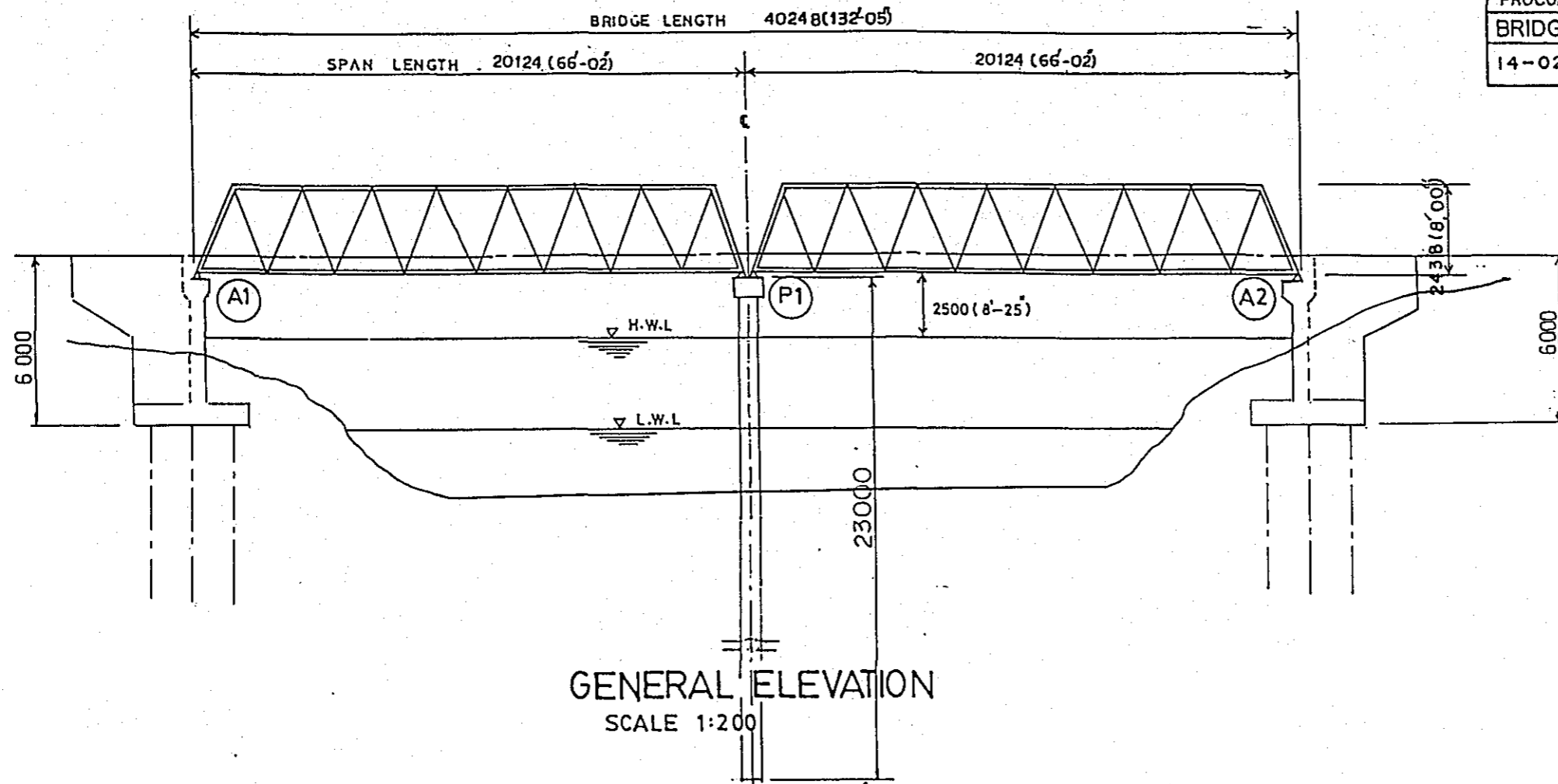


BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDGE NO	LOCATION	SHEET NO
14-01-02	MUNSHIGONJ	92



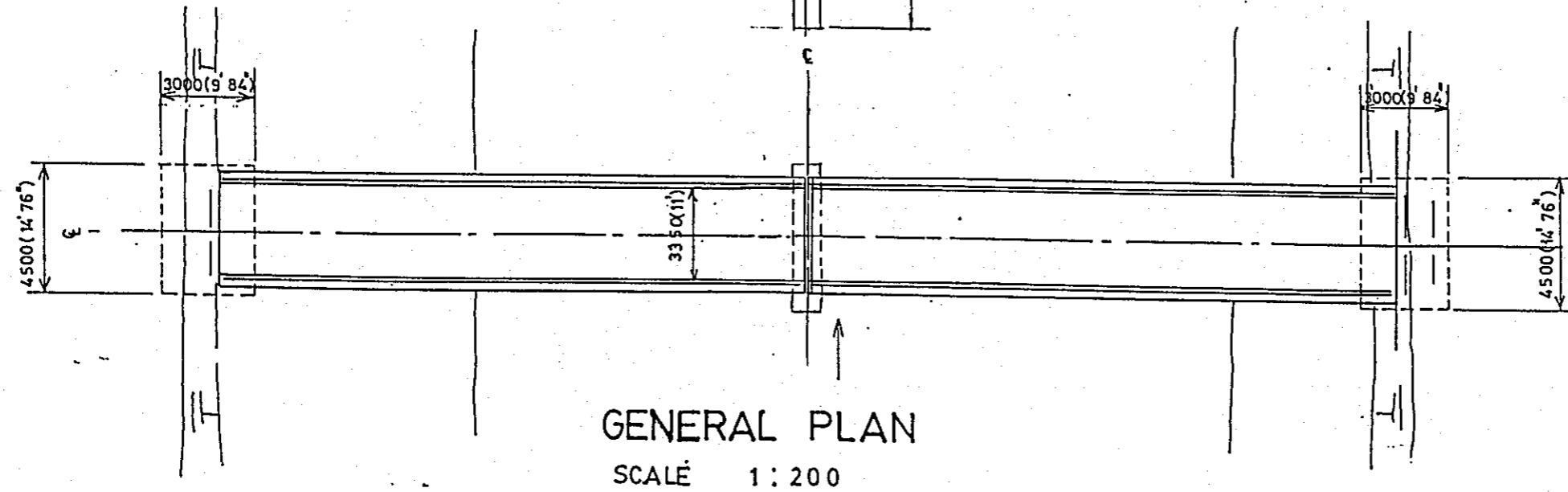
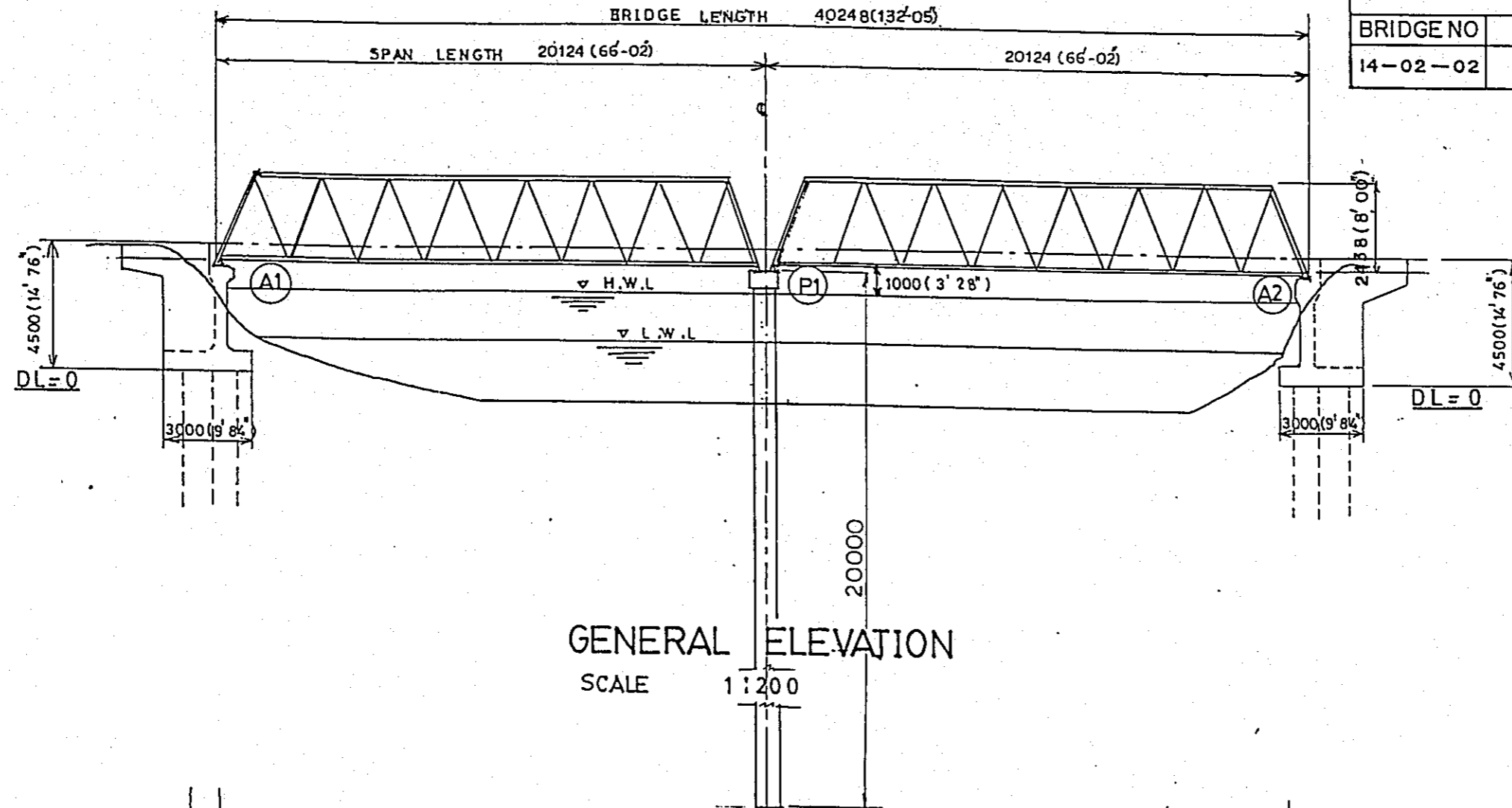
BASIC DESIGN STUDY ON THE PROJECT FOR
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS

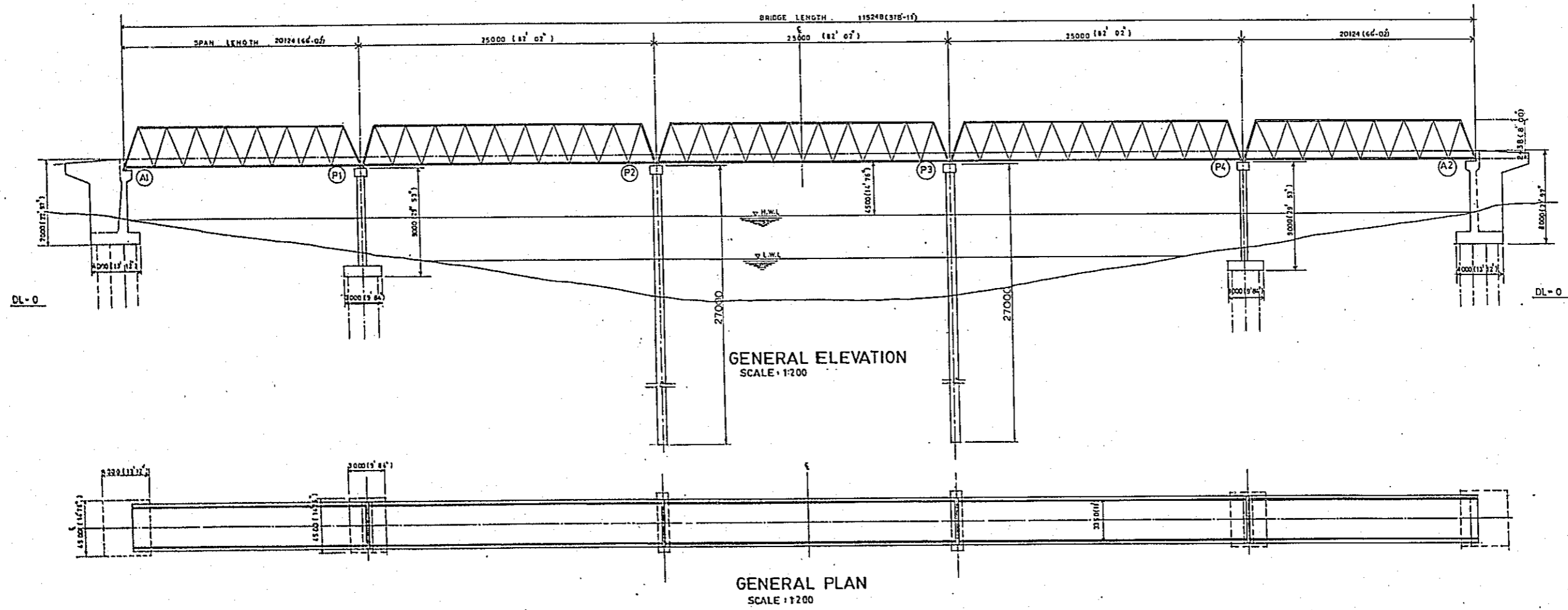
BRIDGE NO	LOCATION	SHEET NO
14-02-01	MUNSHIGONJ	93



BASIC DESIGN STUDY ON THE PROJECT FOR
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS

BRIDGE NO	LOCATION	SHEET NO
14-02-02	MUNSHIGONJ	94

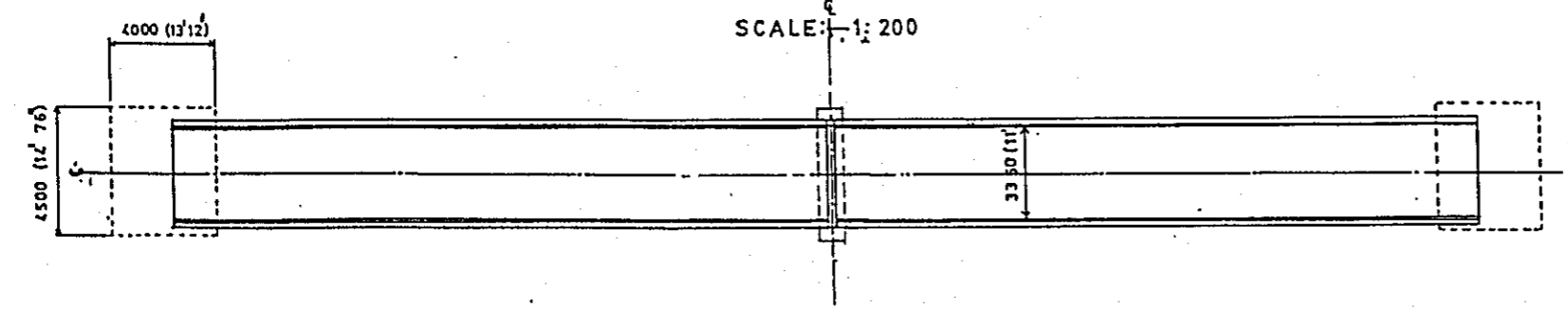
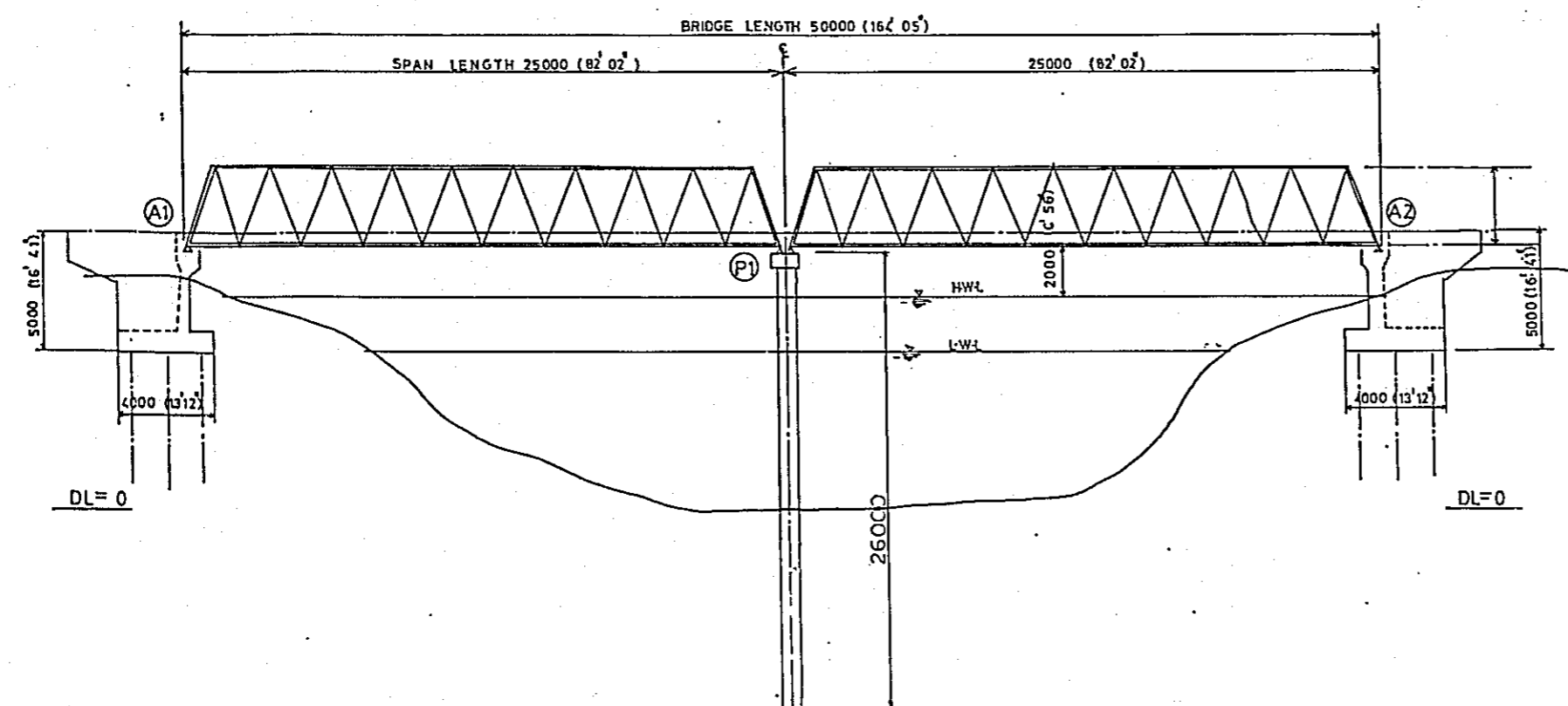




GENERAL ELEVATION
 SCALE : 1:200

GENERAL PLAN
 SCALE : 1:200

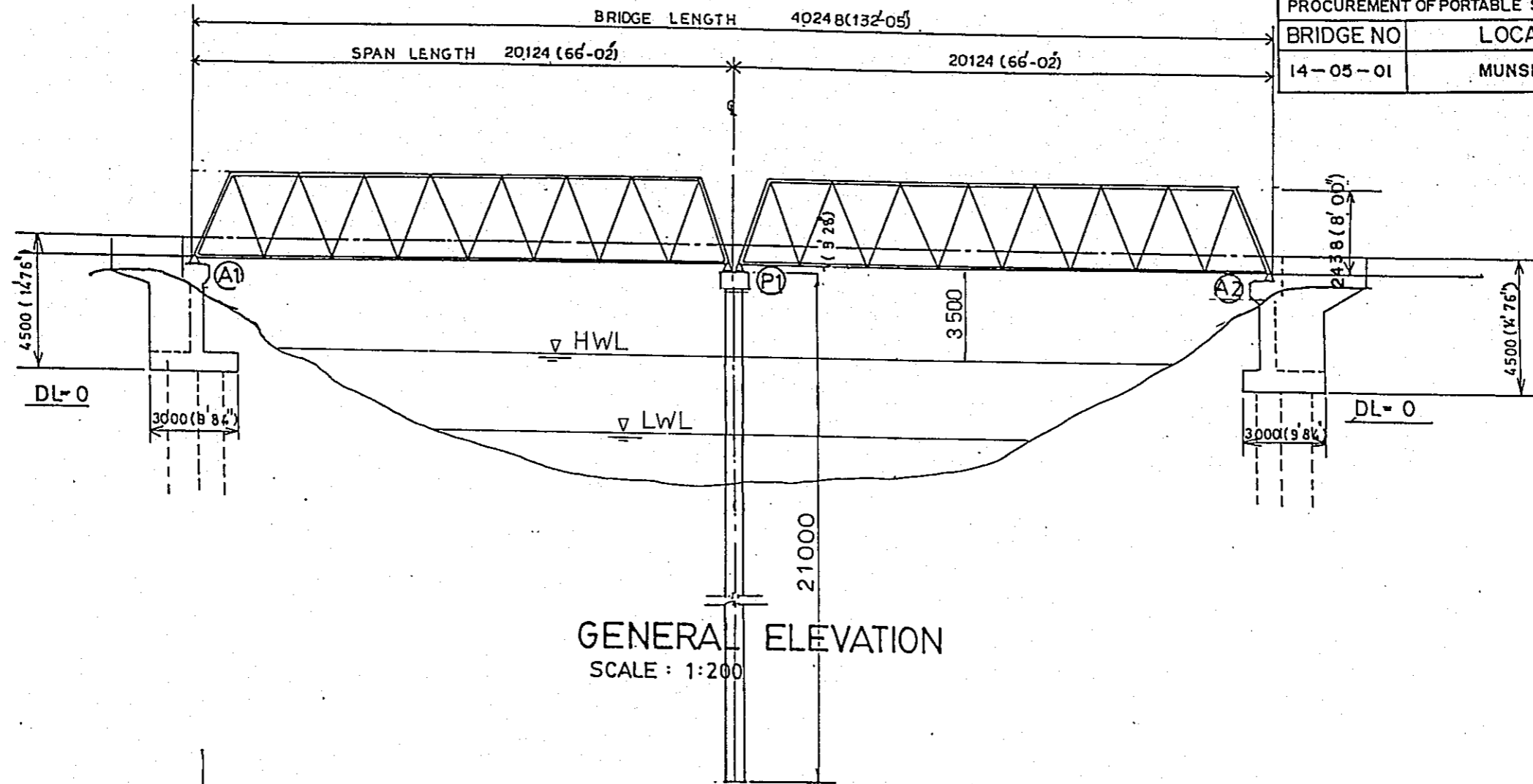
BASIC DESIGN STUD ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURALROADS		
BRIDGE NO	LOCATION	SHEET NO
14-04-01	MUNSHIGONJ	96



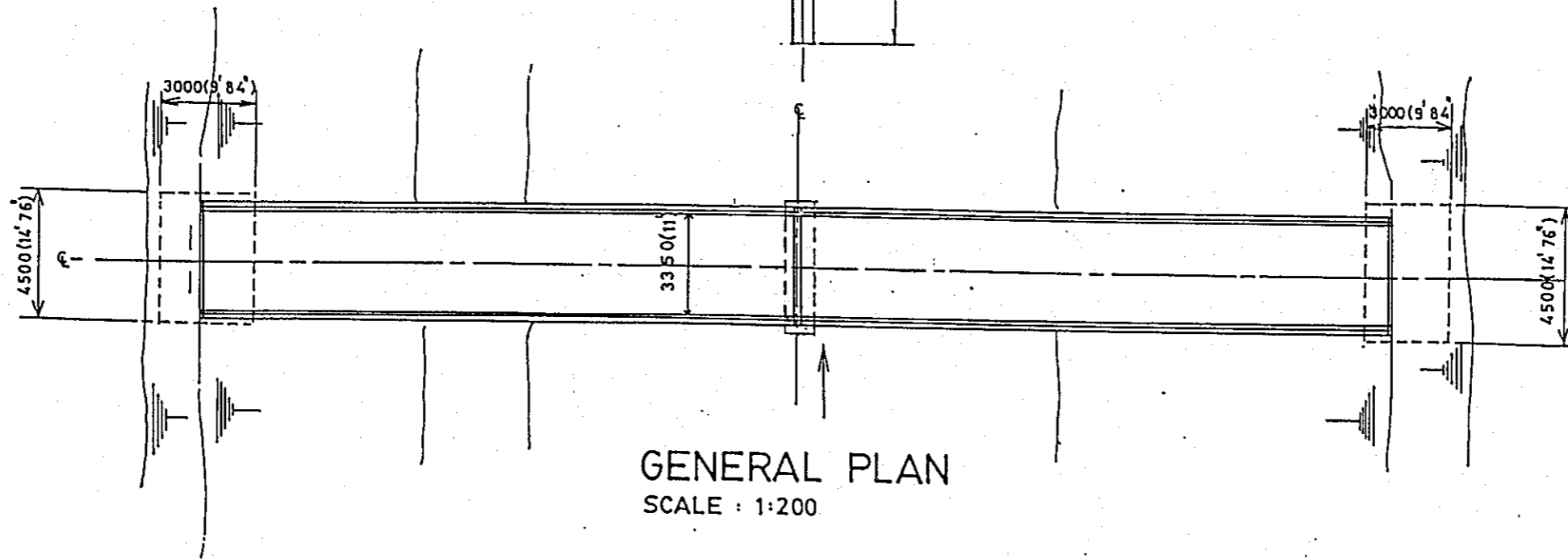
GENERAL PLAN
SCALE: 1:200

BASIC DESIGN STUDY ON THE PROJECT FOR
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS

BRIDGE NO	LOCATION	SHEET NO
14-05-01	MUNSHIGONJ	97



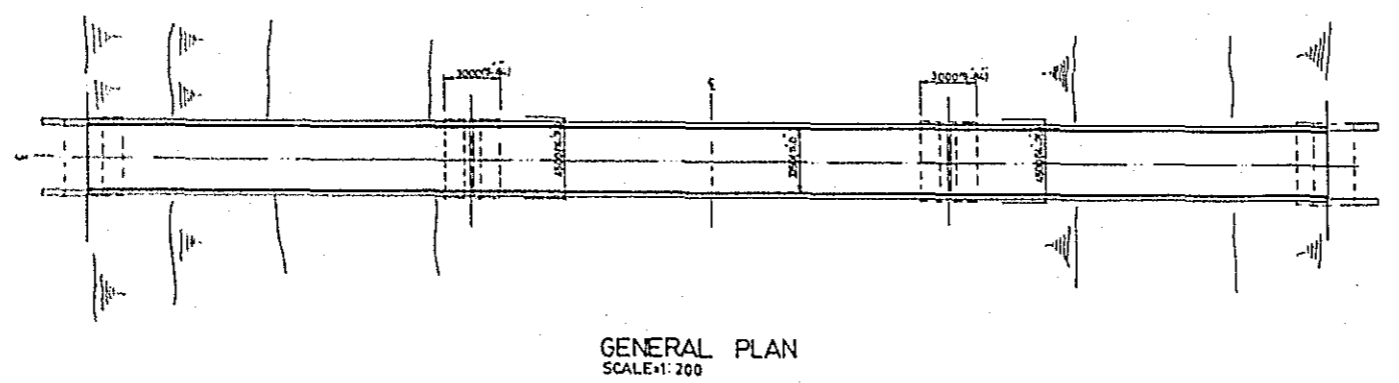
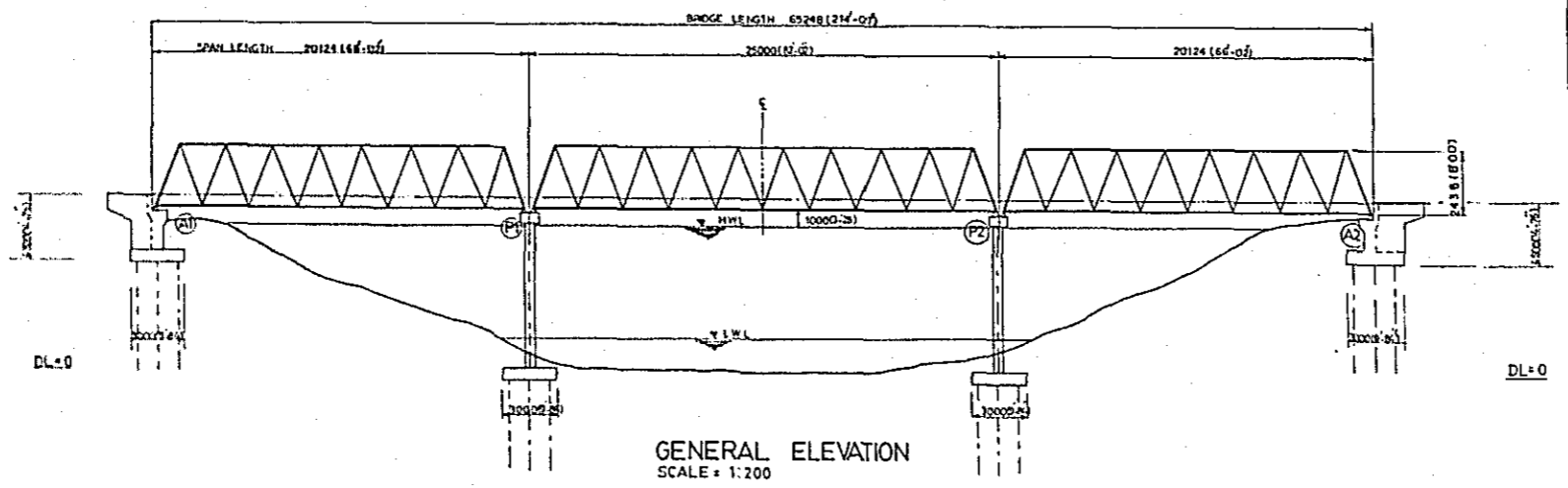
GENERAL ELEVATION
SCALE : 1:200



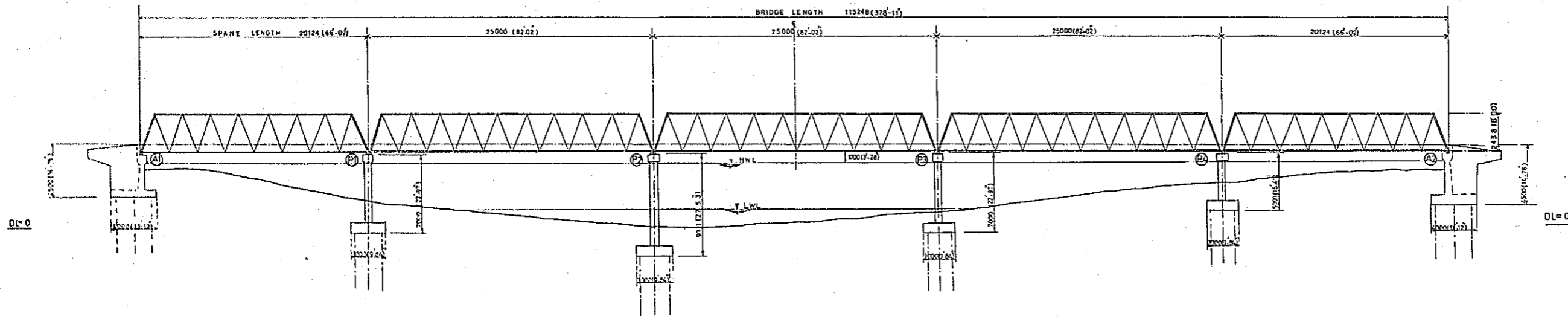
GENERAL PLAN
SCALE : 1:200

BASIC DESIGN STUDY ON THE PROJECT FOR
PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS

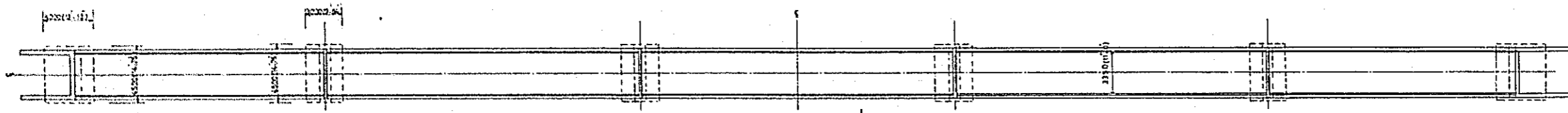
BRIDGE NO	LOCATION	SHEET NO
15-01-01	GAZIPUR	98



BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDGE NO	LOCATION	SHEET NO
15-02-01	GAZIPUR	99

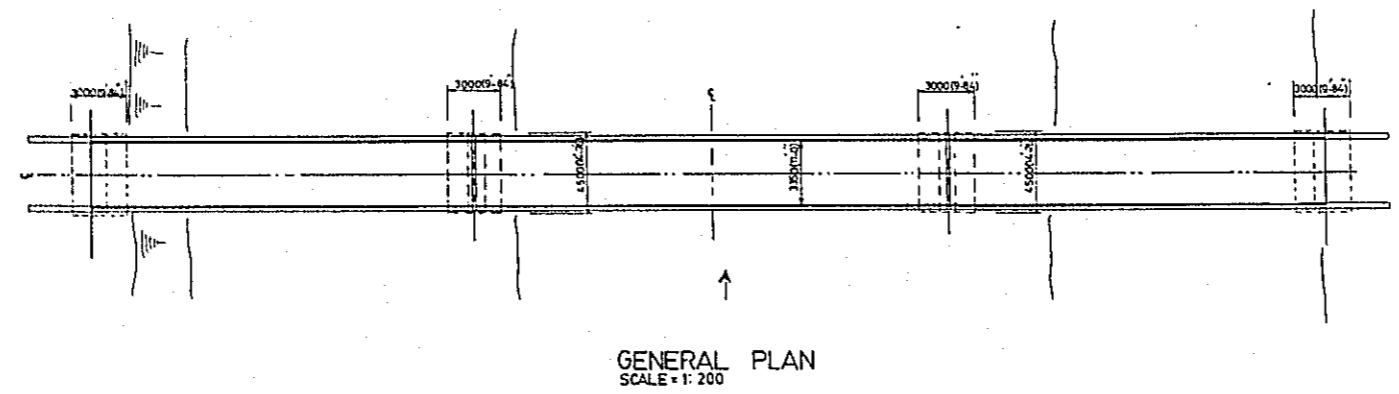
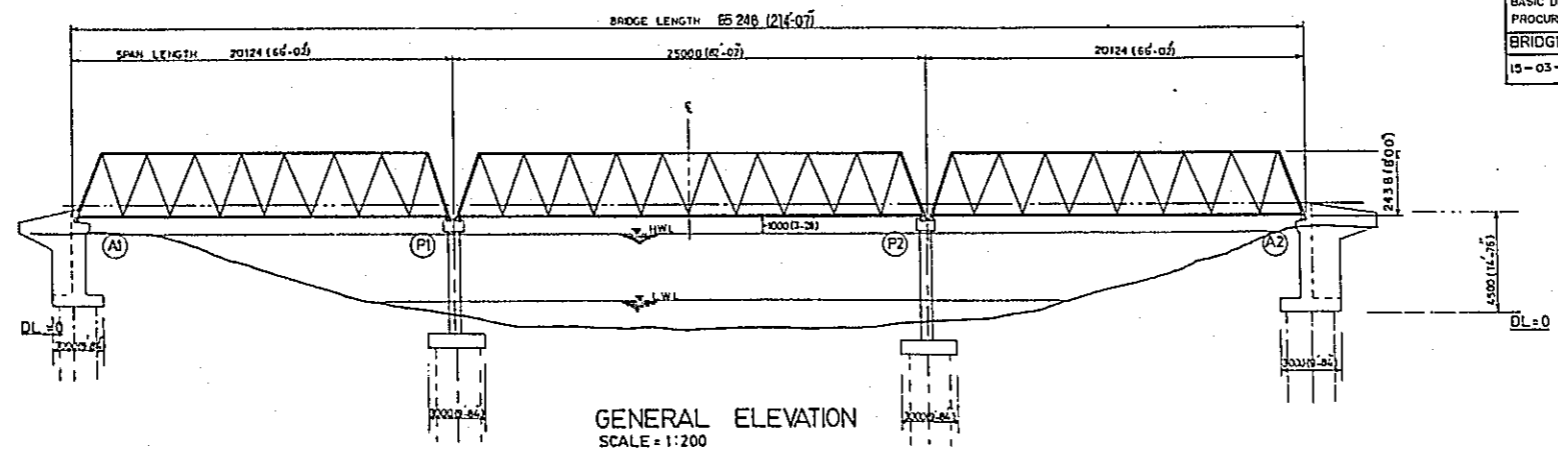


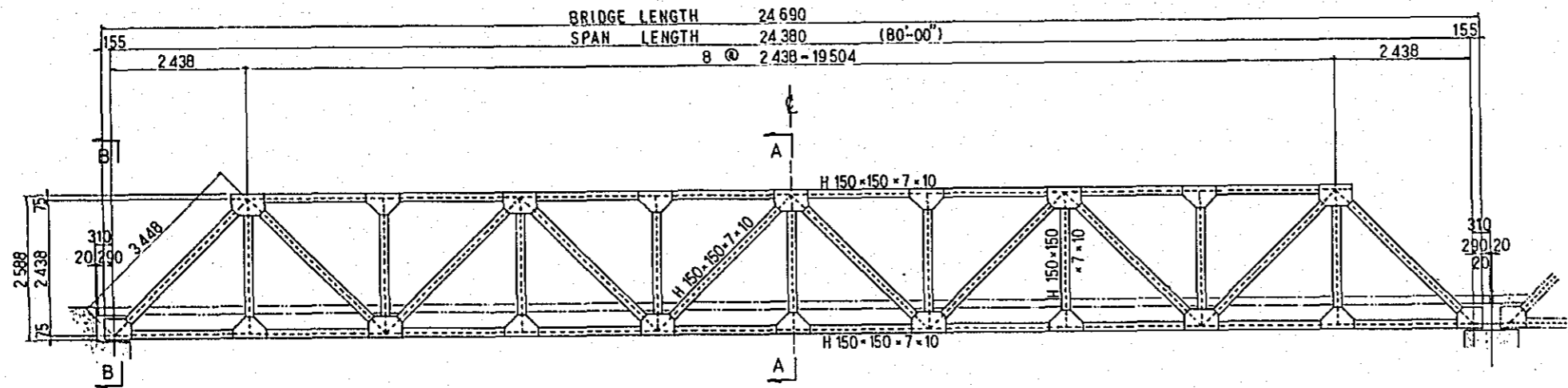
GENERAL ELEVATION
SCALE = 1:200



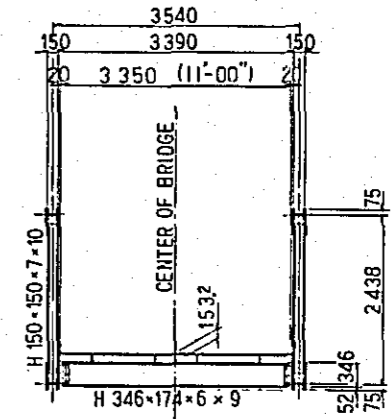
GENERAL PLAN
SCALE = 1:200

BASIC DESIGN STUDY ON THE PROJECT FOR PROCUREMENT OF PORTABLE STEEL BRIDGES FOR RURAL ROADS		
BRIDGE NO	LOCATION	SHEET NO
15-03-01	GAZIPUR	100

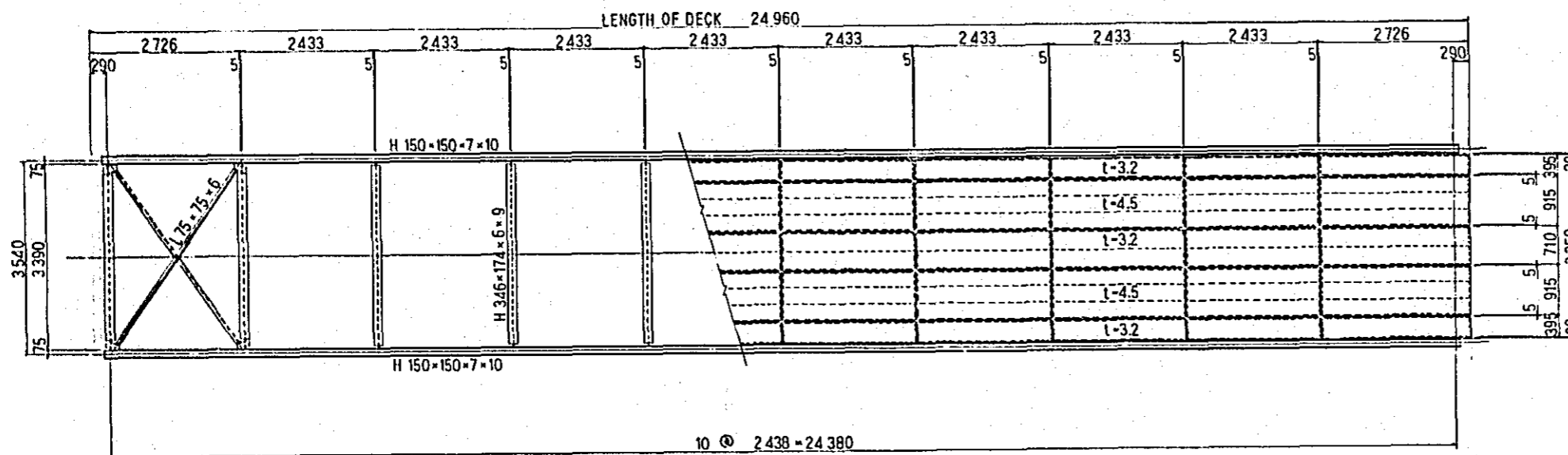




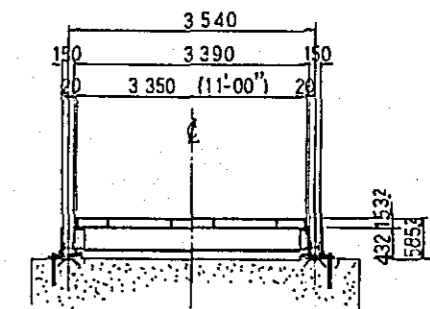
SIDE VIEW



A - A



PLAN

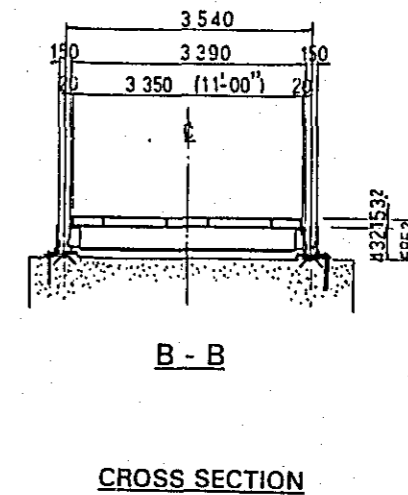
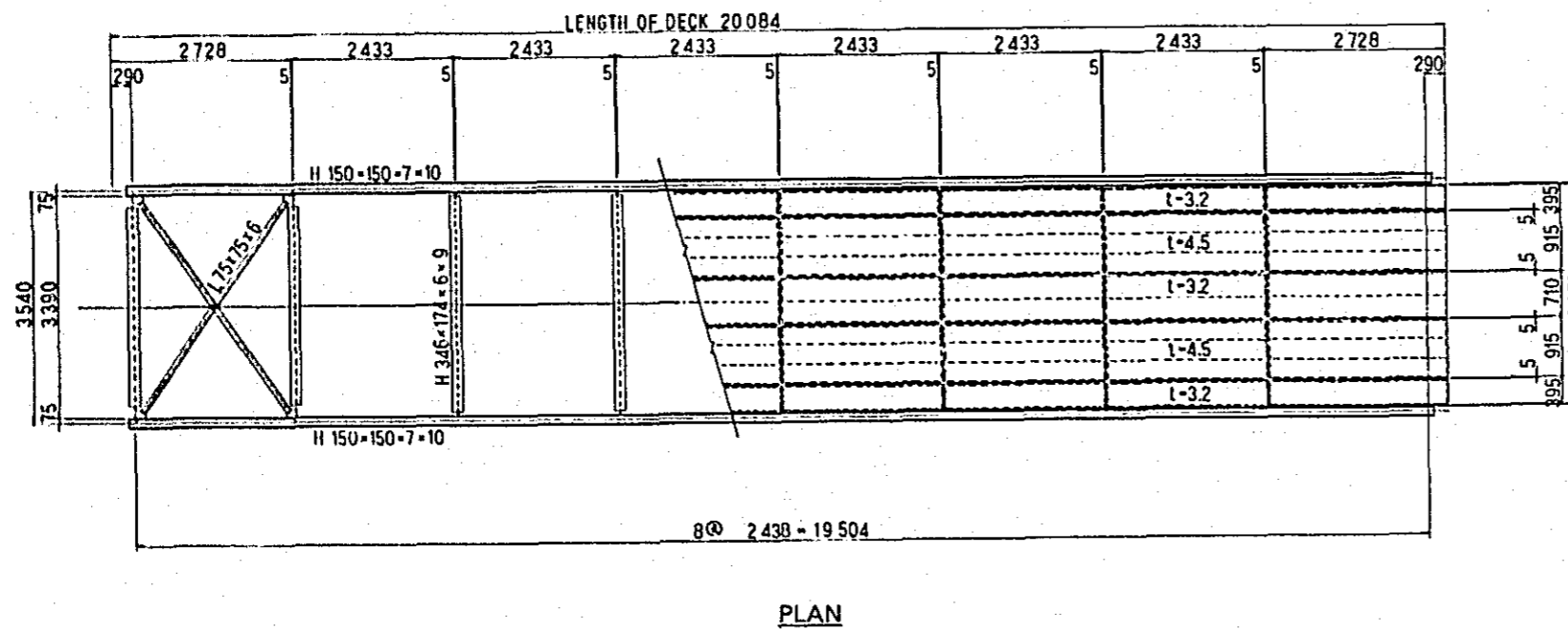
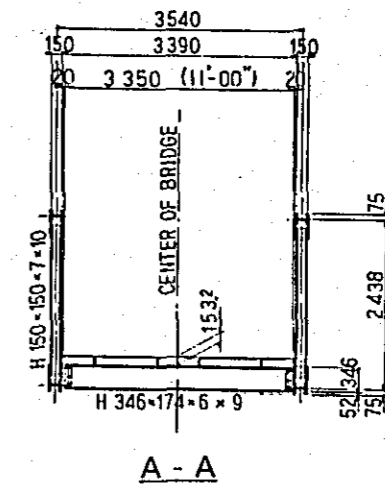
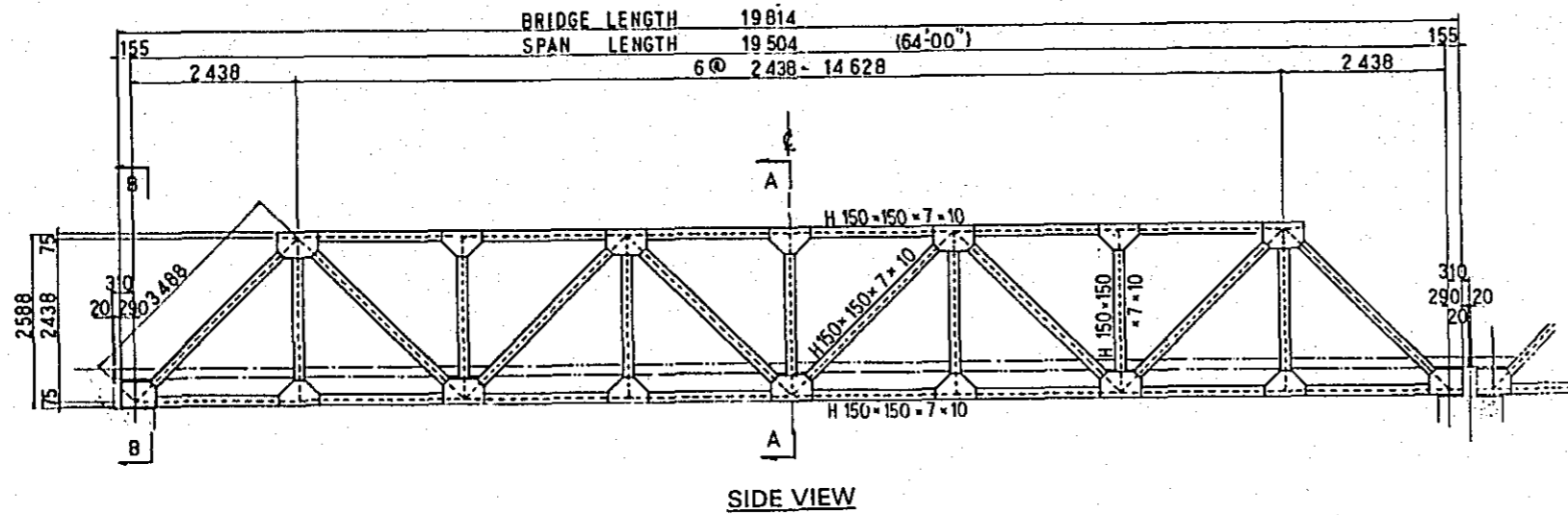


B - B

CROSS SECTION

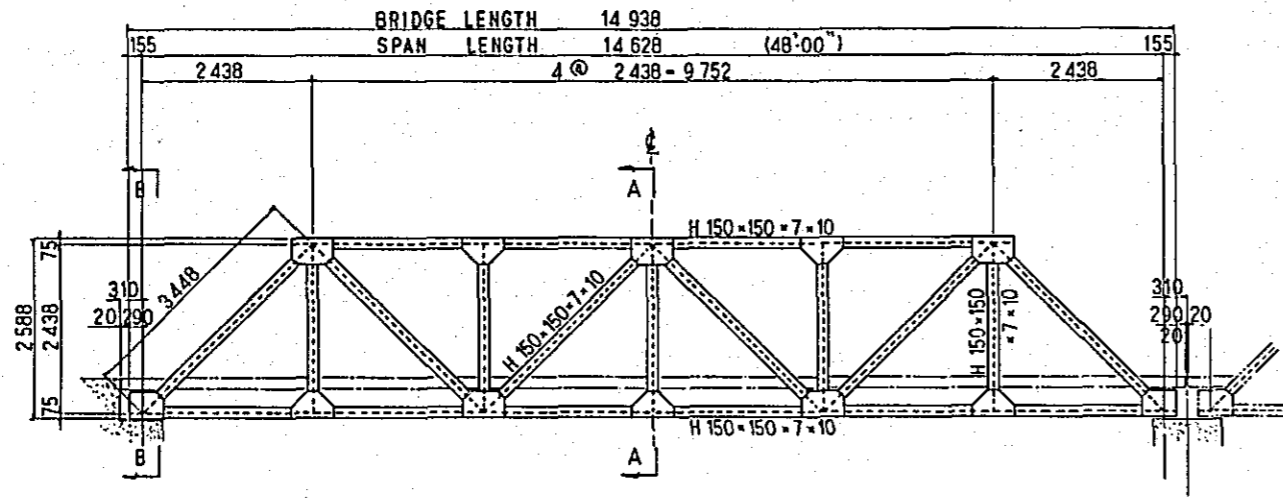
GENERAL ARRANGEMENT (SPAN 80') (Scale 1:100)

DETAILS OF PORTABLE STEEL BRIDGE (SUPERSTRUCTURE)(1)

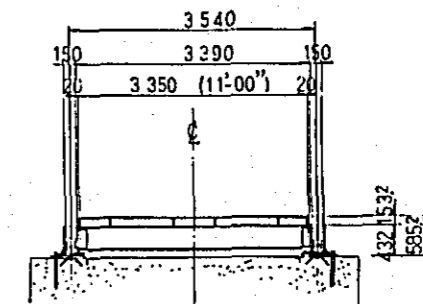
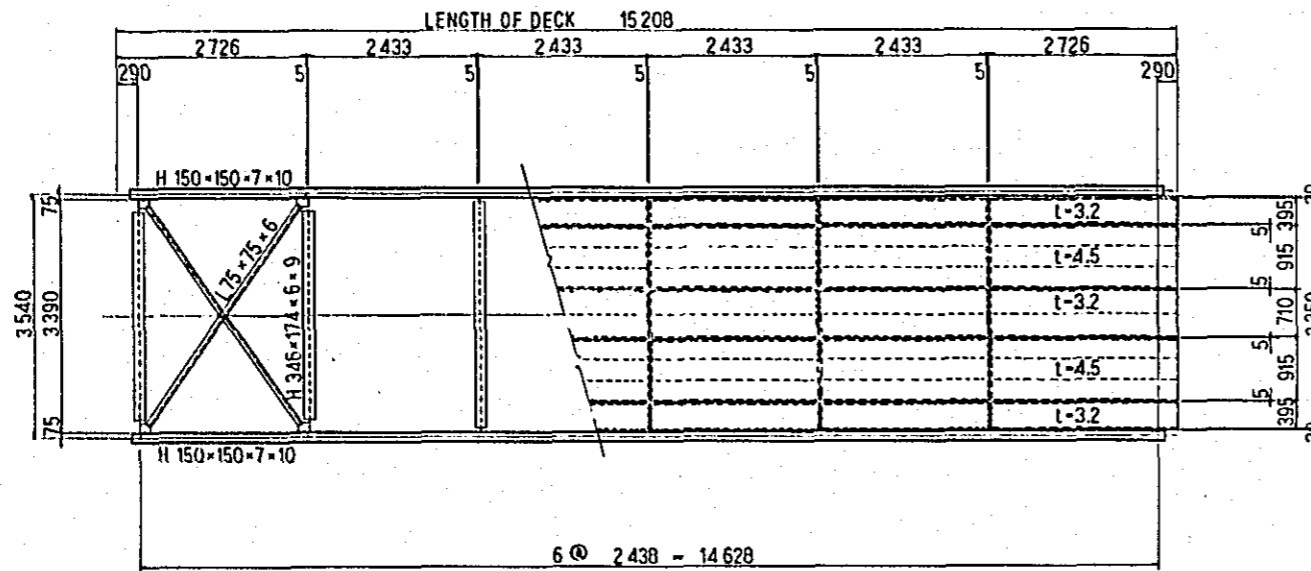
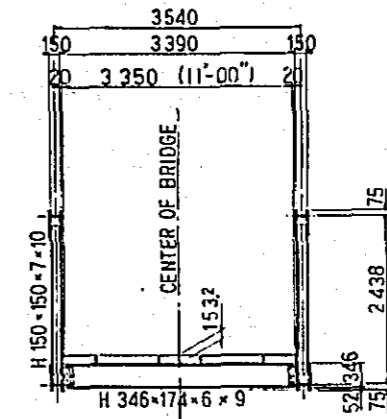


GENERAL ARRANGEMENT (SPAN 64') (Scale 1:100)

DETAILS OF PORTABLE STEEL BRIDGE (SUPERSTRUCTURE)(2)



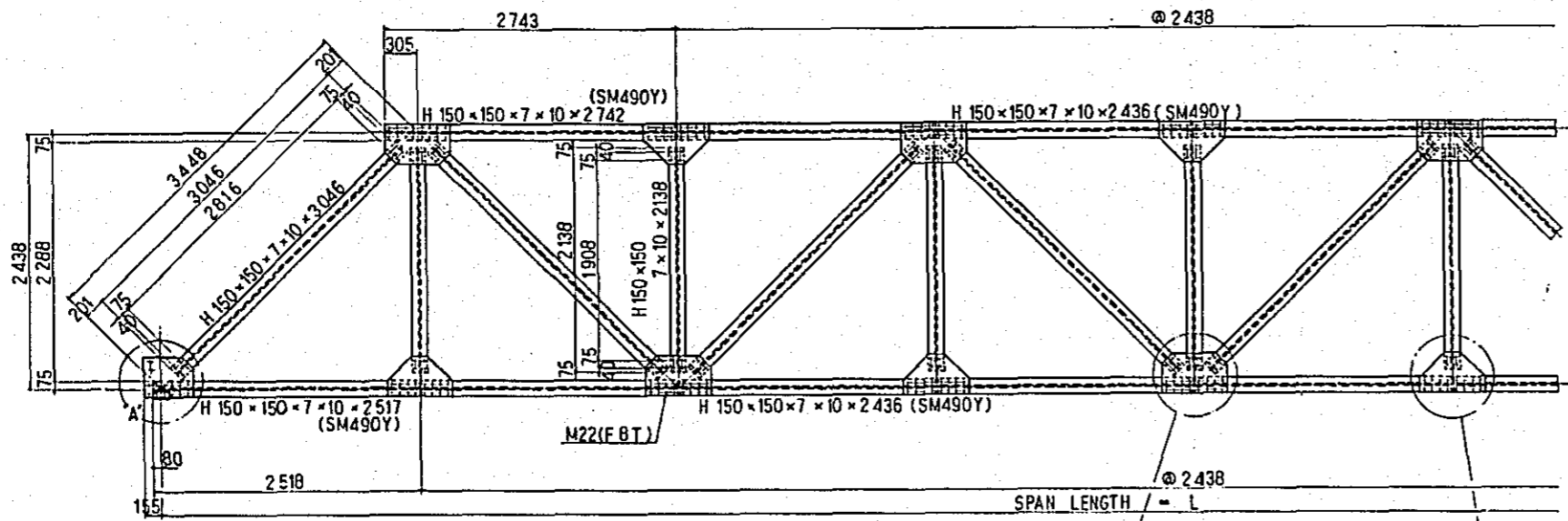
SIDE VIEW



CROSS SECTION

GENERAL ARRANGEMENT (SPAN 48') (Scale 1:100)

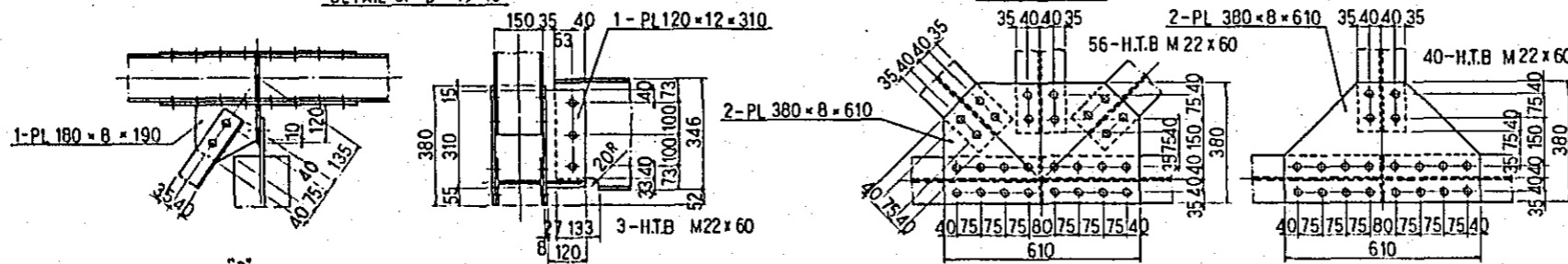
DETAILS OF PORTABLE STEEL BRIDGE (SUPERSTRUCTURE)(3)



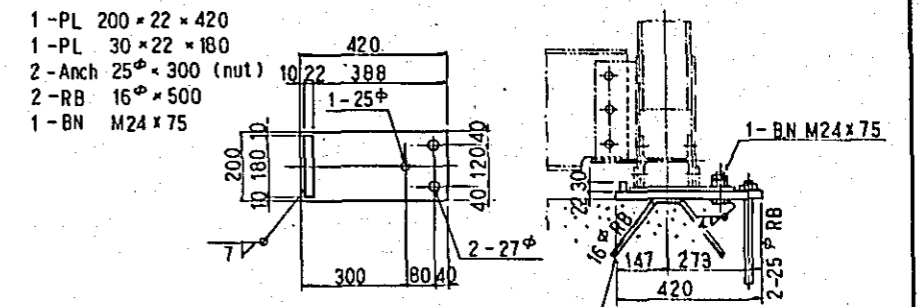
DETAIL OF 'B' 1/10

DETAIL 1/10

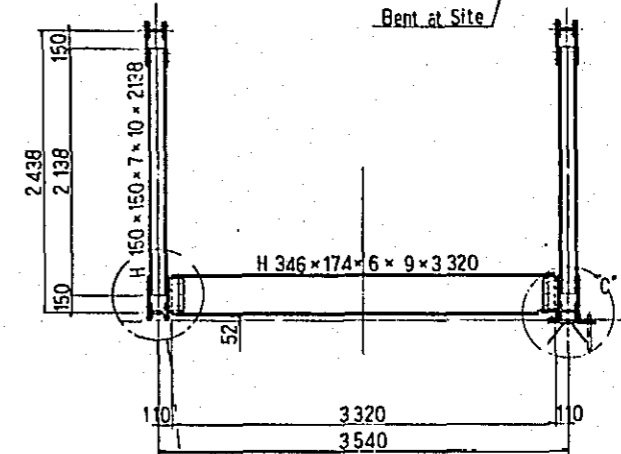
DETAIL 1/10



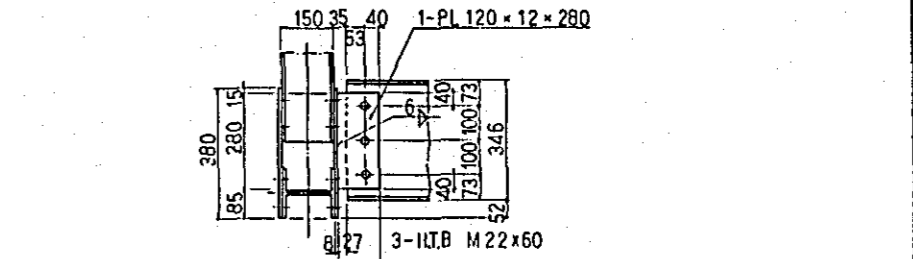
DETAIL OF 'C' 1/10



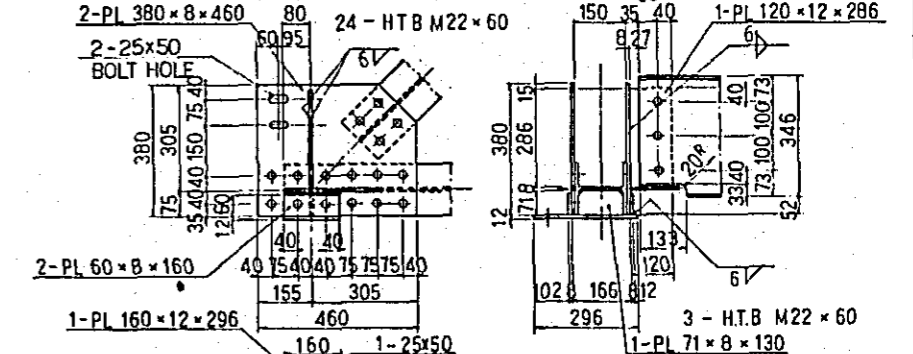
Bent at Site



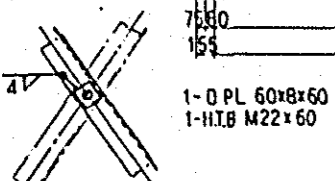
DETAIL 1/10



DETAIL OF 'A' 1/10



DETAIL OF 'D' 1/10



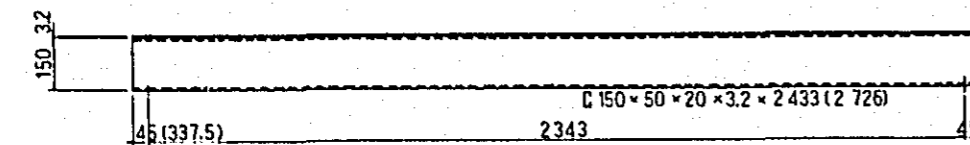
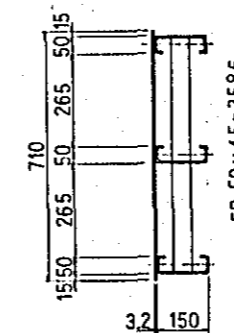
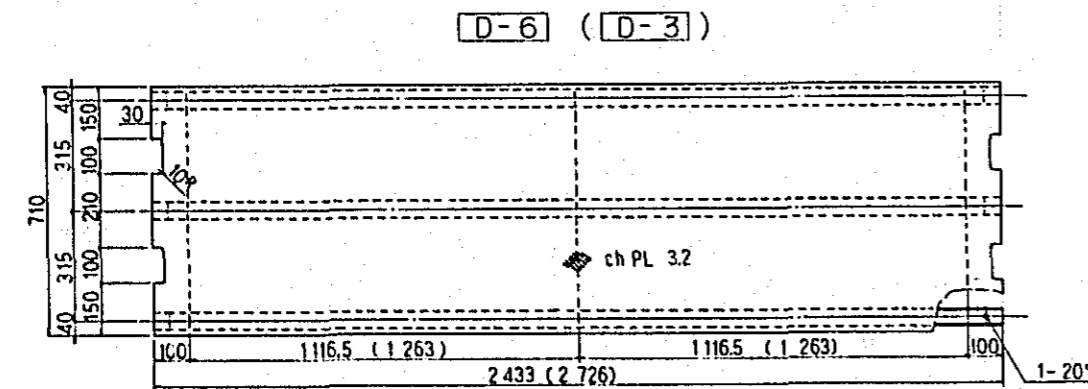
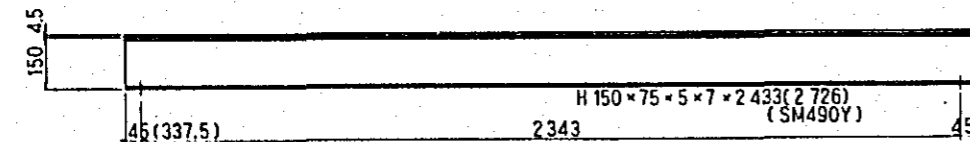
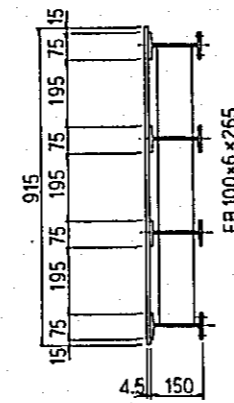
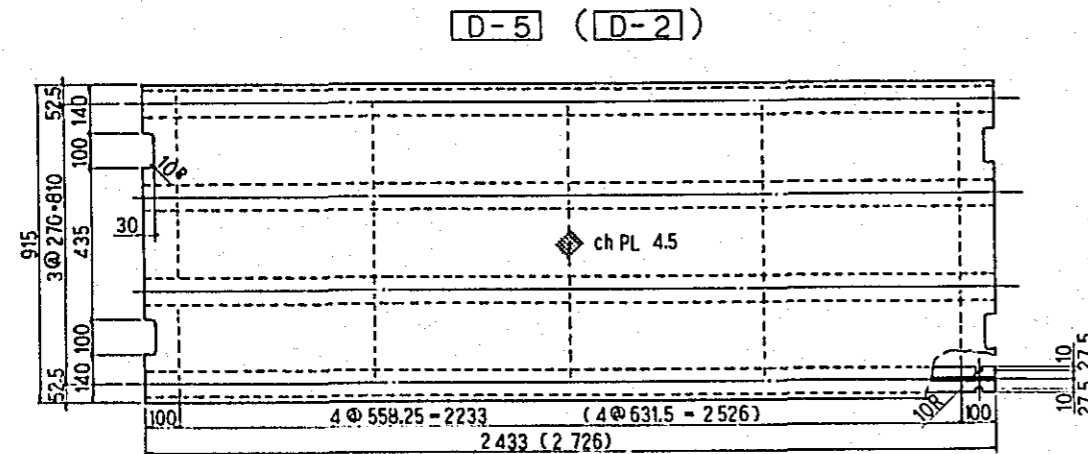
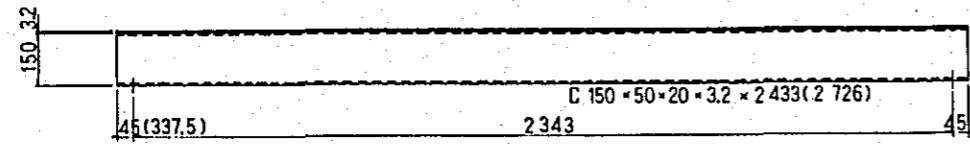
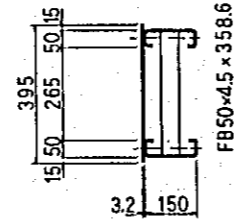
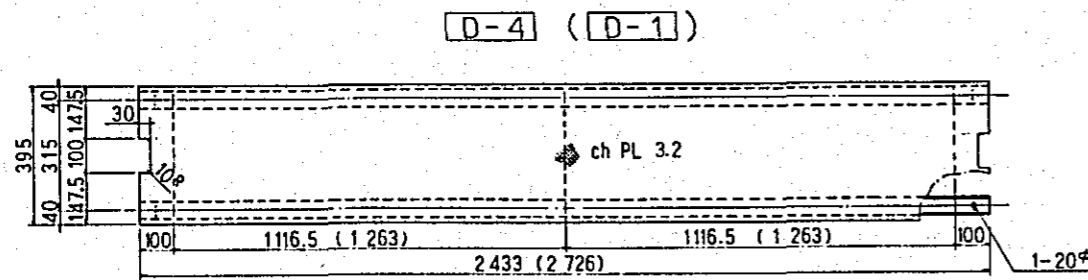
DETAIL 1/10



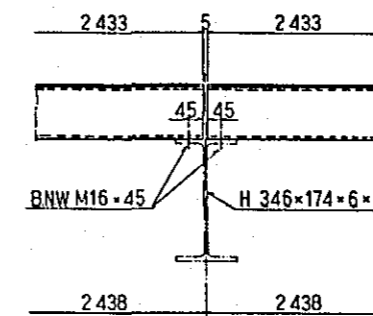
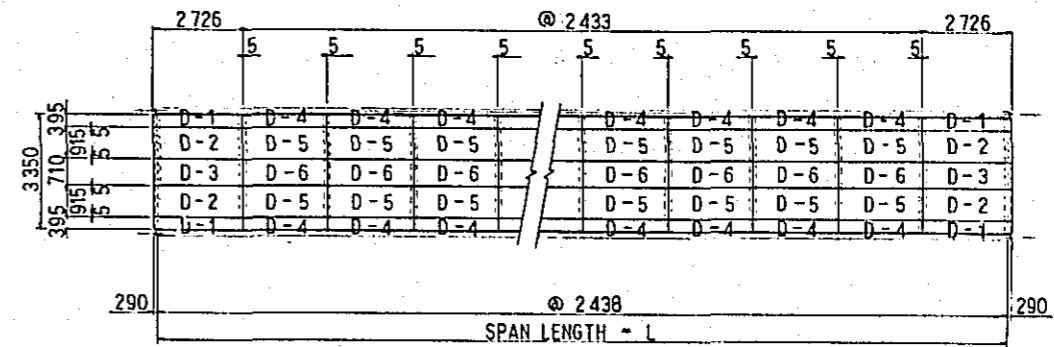
MAIN TRUSS AND FLOOR BEAM (Scale 1:60)

DETAILS OF PORTABLE STEEL BRIDGE (SUPERSTRUCTURE)(4)

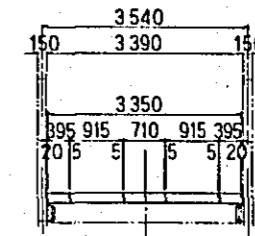
- NOTE
1. MATERIAL STANDARD NOT DISCRIBED IS JIS G3101 SS400
 2. ALL MEMBERS SHALL BE GALVANIZED
ALL HIGH STRENGTH BOLTS ARE JJS B1186 FBT (M22)
 3. HOLES FOR HIGH STRENGTH BOLTS: 25 ϕ (TO BE DRILLED OR PUNCHED)



MARKING DIAGRAM



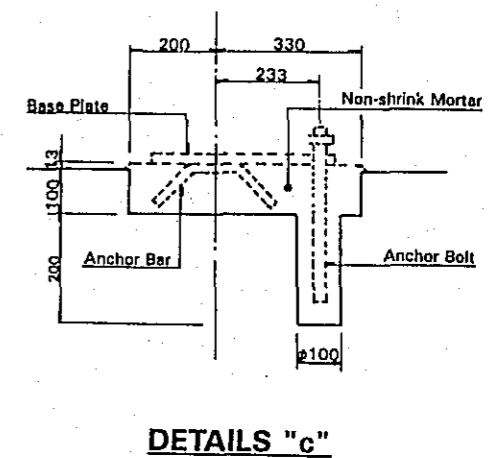
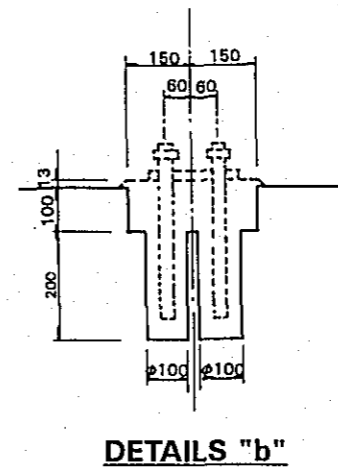
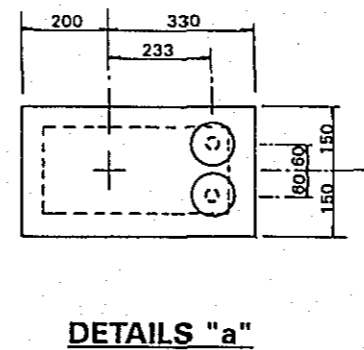
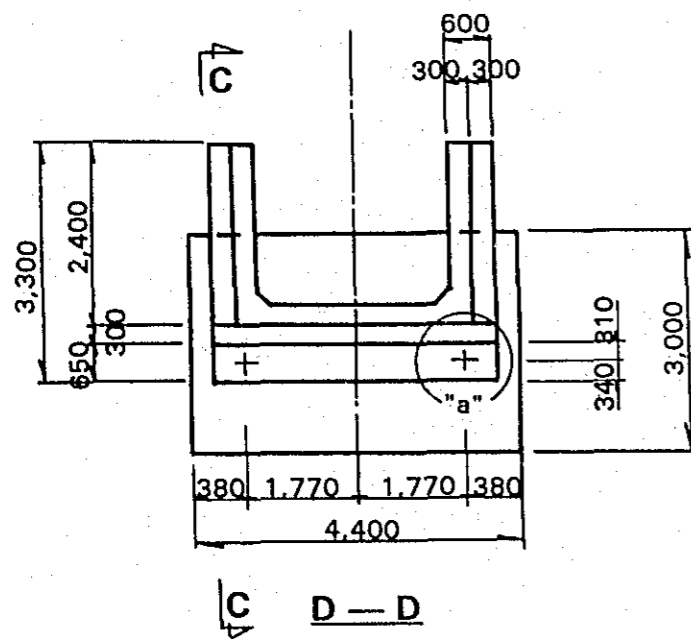
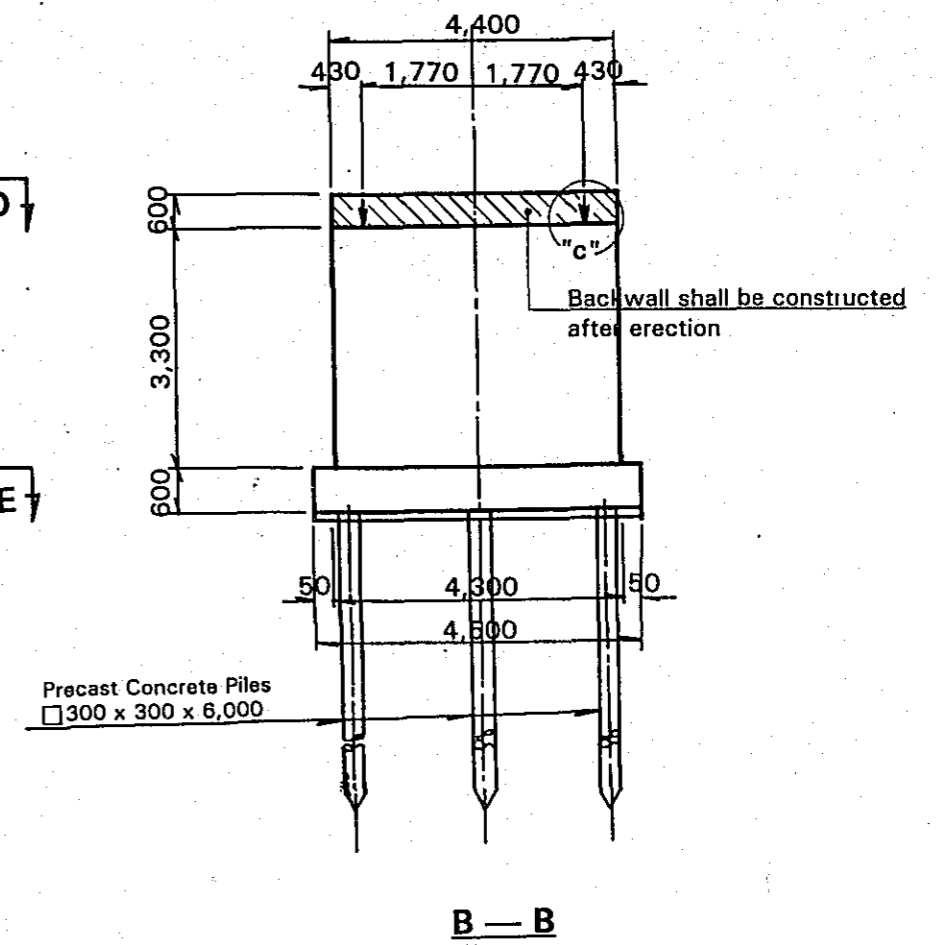
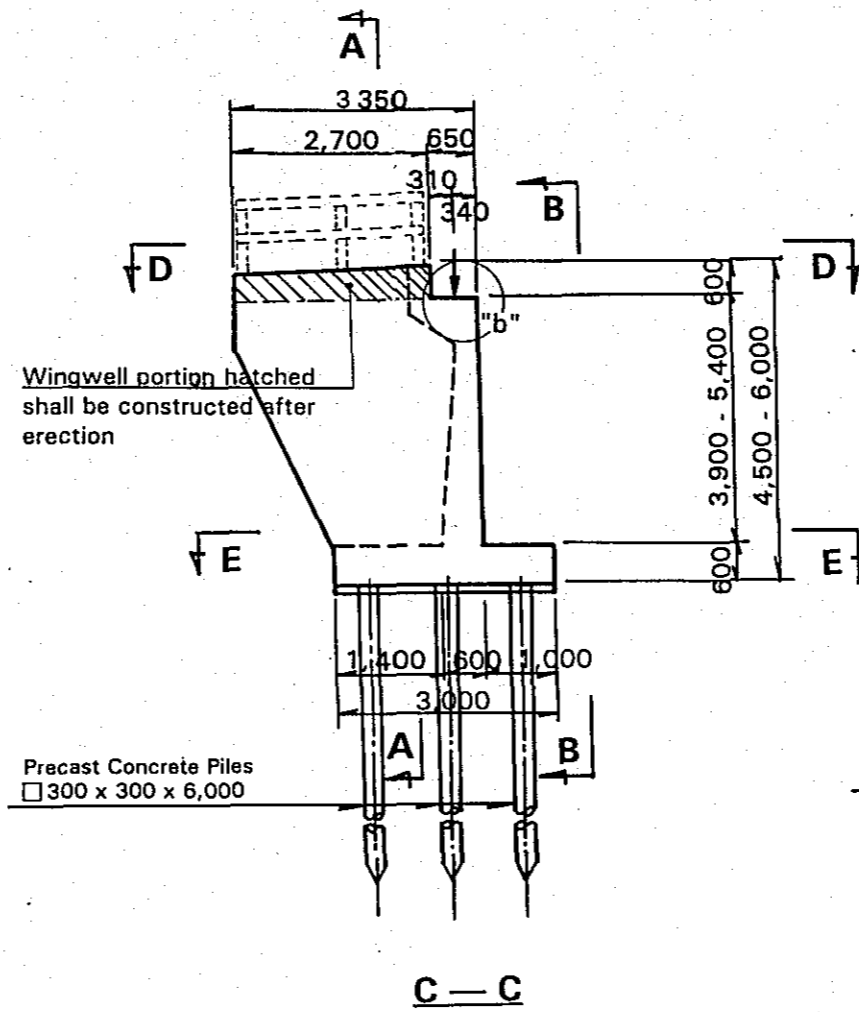
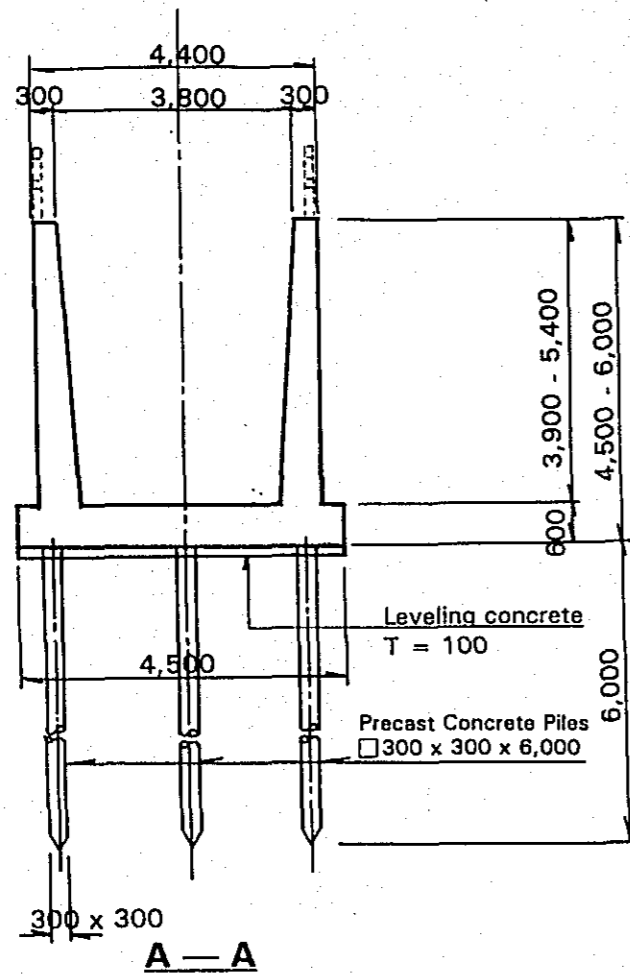
CROSS SECTION



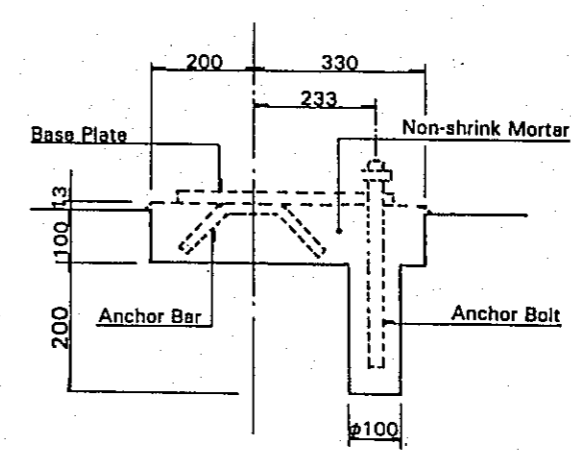
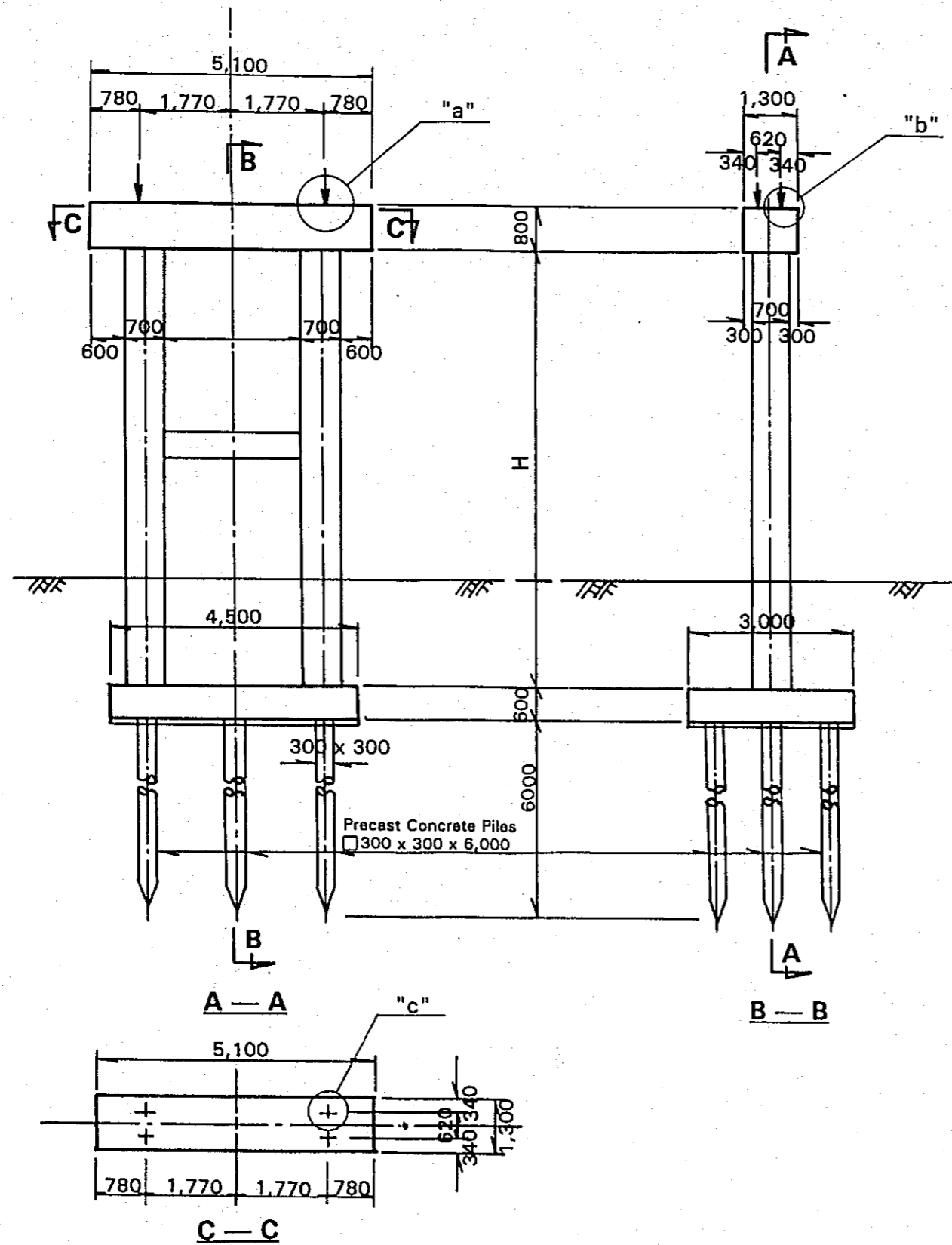
DECK PLATE (Scale 1:20)

DETAILS OF PORTABLE STEEL BRIDGE (SUPERSTRUCTURE)(5)

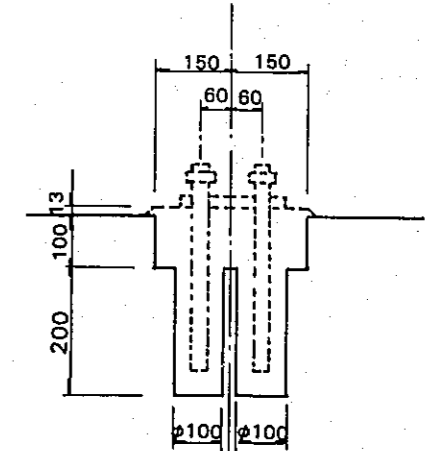
- NOTE
1. MATERIAL STANDARD NOT DISCRIBED IS JIS G3101 SS400
 2. DECK PLATE SHALL NOT BE GALVANIZED BUT BE COATED BY ANTI-RUST PRIMER



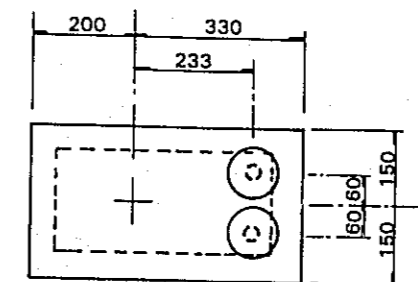
STANDARD ABUTMENT (Scale 1 : 100)



DETAILS "a"

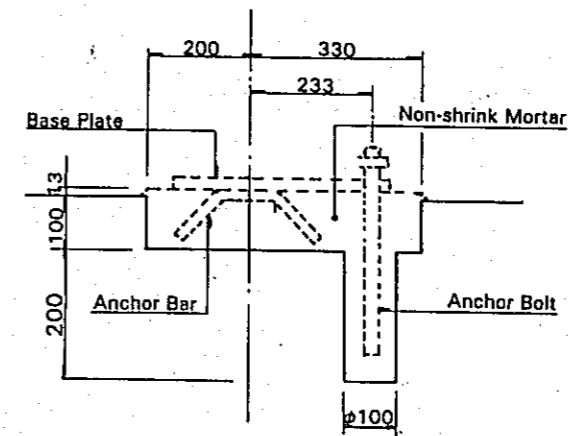
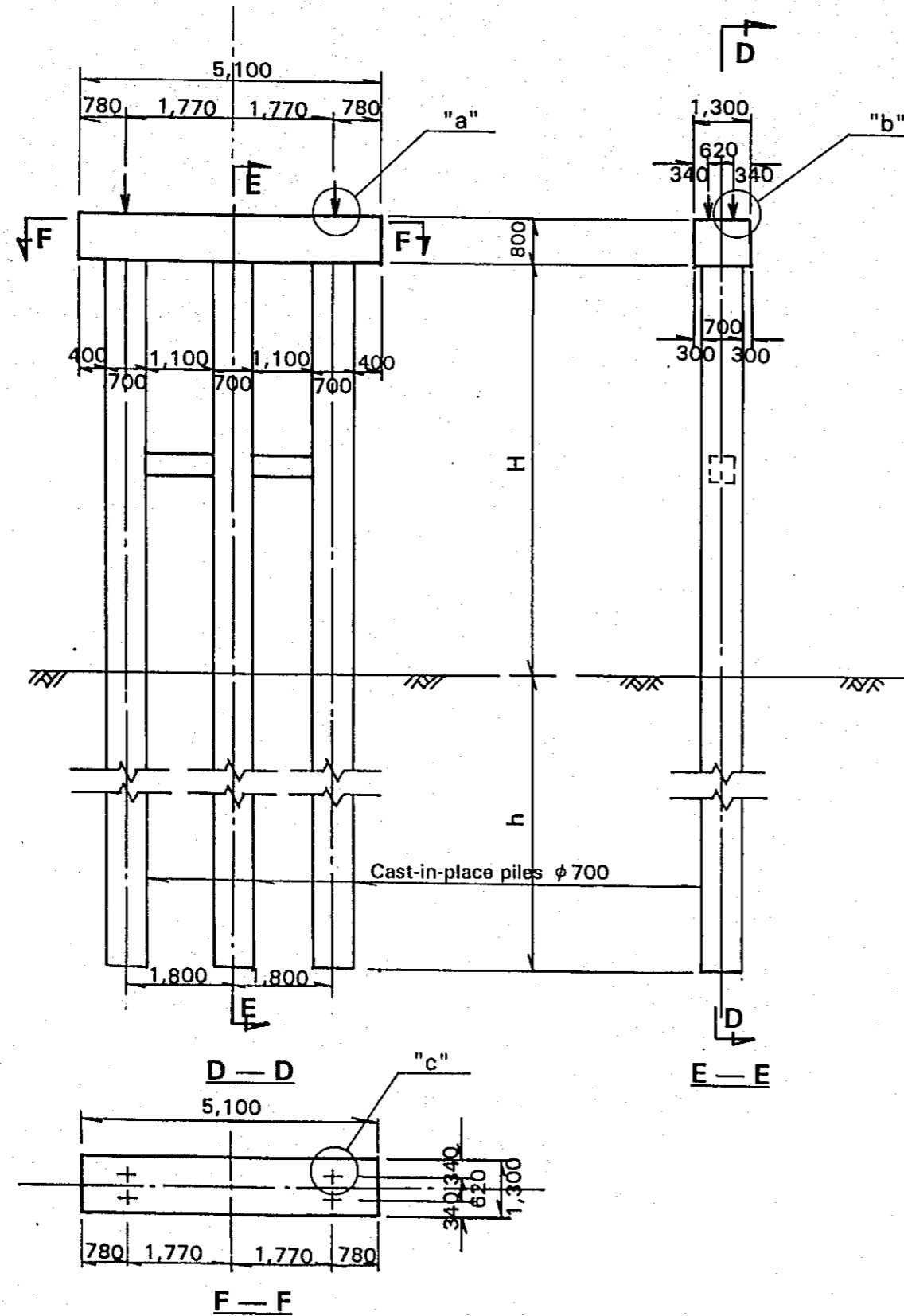


DETAILS "b"

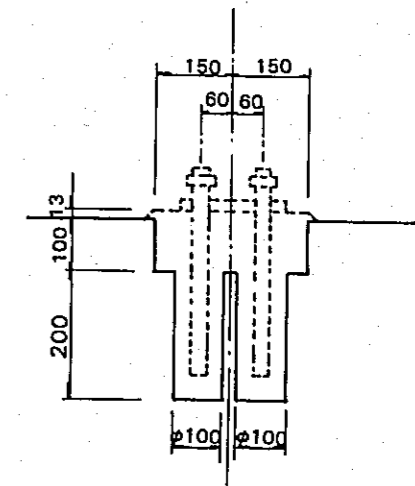


DETAILS "c"

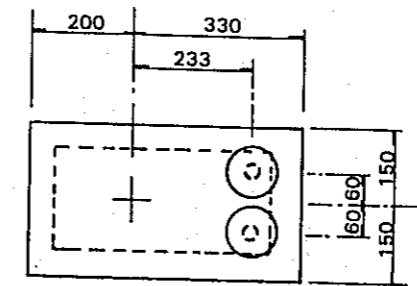
STANDARD PIER (Scale 1 : 100)



DETAILS "a"

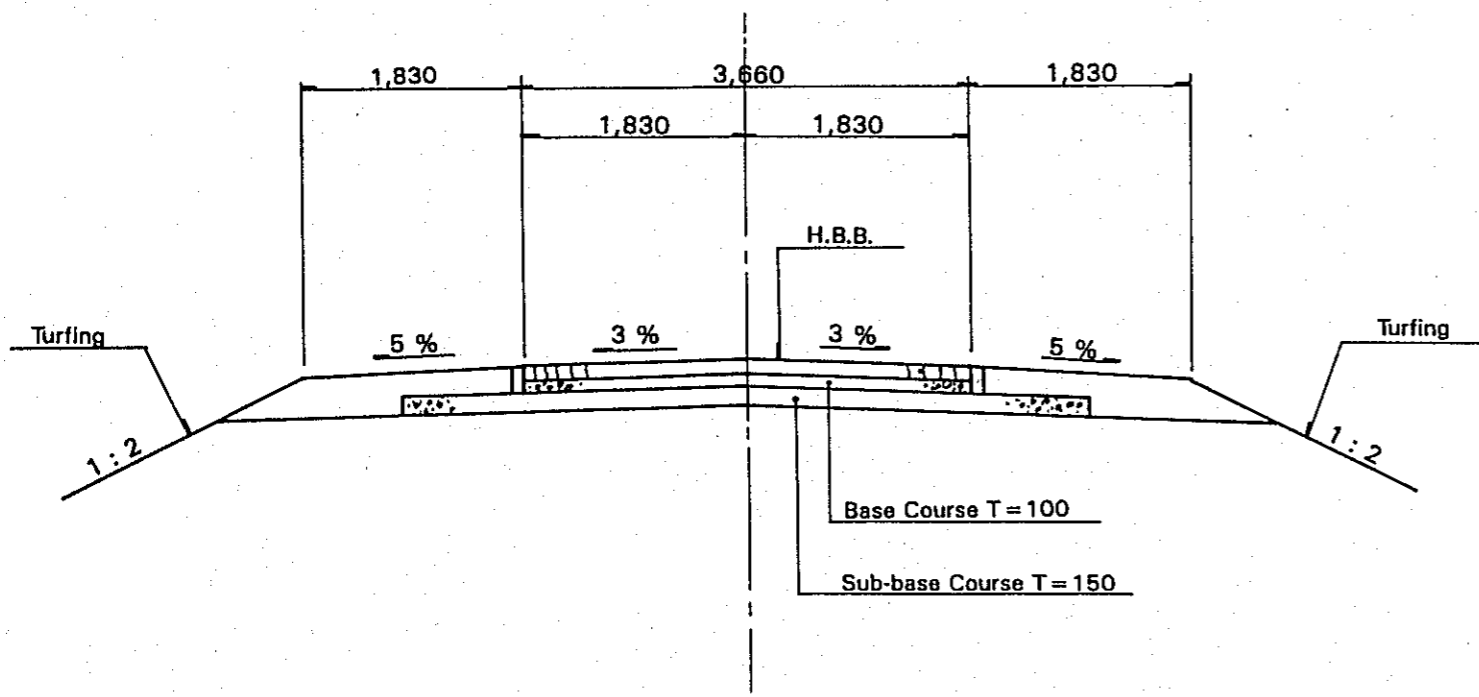


DETAILS "b"

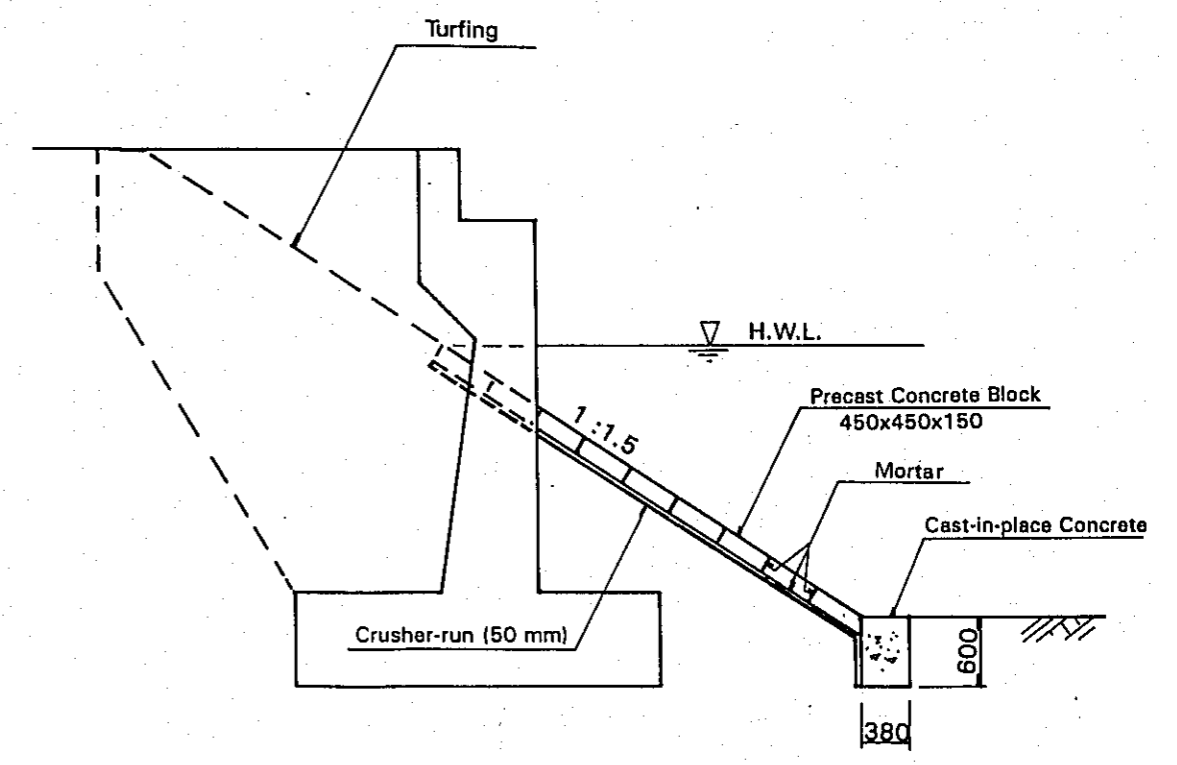


DETAILS "c"

STANDARD PILE-BENT PIER (Scale 1 : 100)



TYPICAL CROSS SECTION OF APPROACH ROAD



TYPICAL CROSS SECTION OF RIVER PROTECTION

