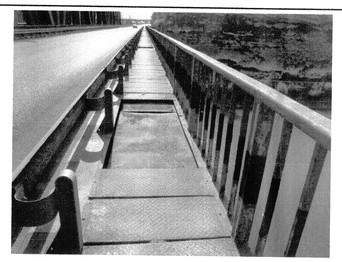
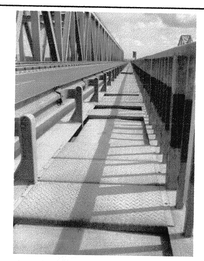
INTERVENTION WORK: A5- WALKWAY SLAB SUBSTITUTION

The item covers the following activities:
- dismantling of the existing walkway slab;
- loading and transport of the material resulting from the demolition to an approved dump area;
- procurement, transport,storage and handling of all related materials and equipment;
- laying the walkway slabs;
- verifications after execution in accordance to the design;
- sampling and laboratory testing.

DETERIORATION:



Lack of walkway metallic slabs

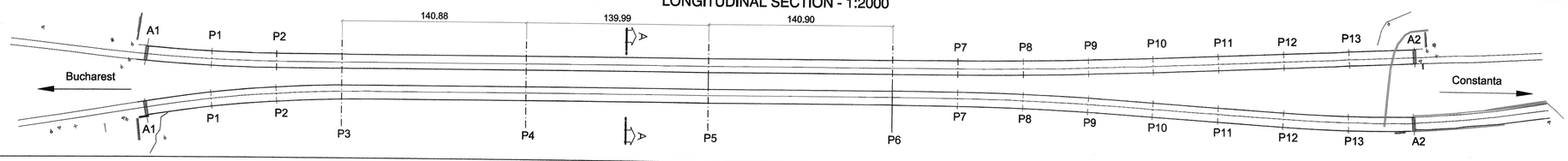


Lack of walkway metallic slabs

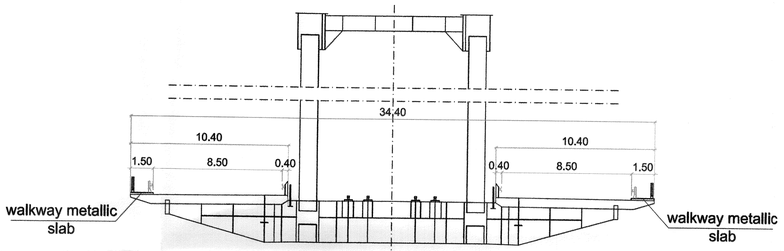
IVANESCU T. TOMA
ROMANIA
MPAT CCIP
NR. 445
INSINER
VERIFICATOR PROIECTE
14-11-2008

GENERAL VIEWS

LONGITUDINAL SECTION - 1:2000



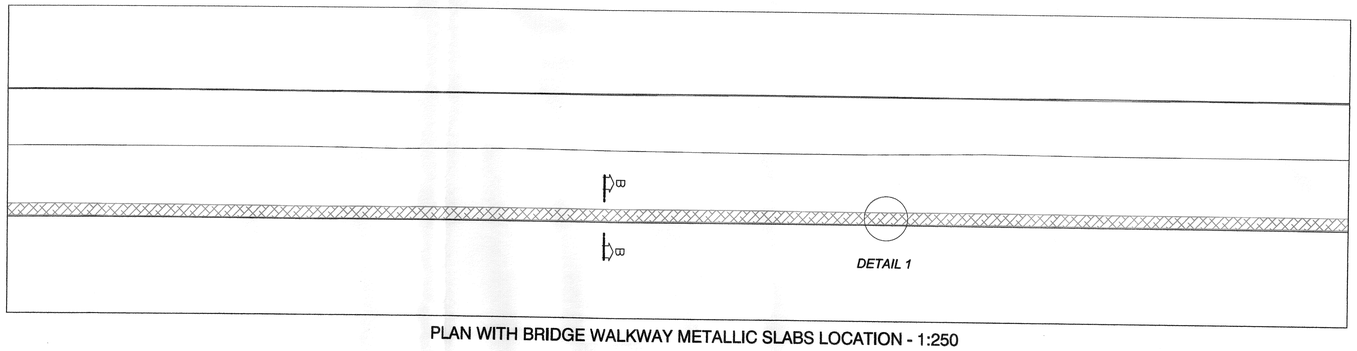
BRIDGE TRANSVERSAL SECTION (A-A) -1:200



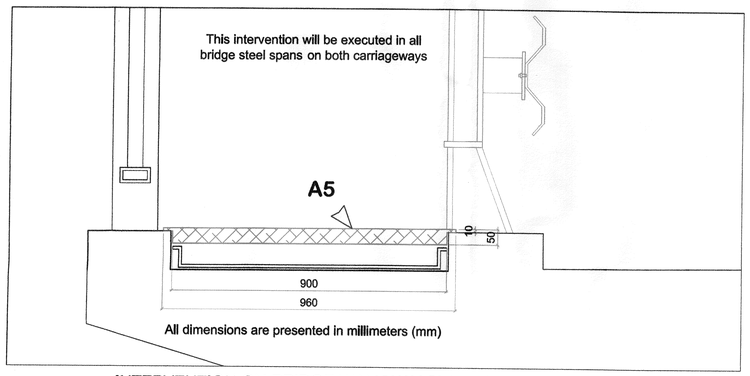
WORKING CODE LIST

CODE	MAINTENANCE AND REHABILITATION WORKS	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
	ROAD FINISHES AND EQUIPMENT										
A1	Painting of pedestrian parapet										
A2	Replacement of pedestrian parapet										
A3	Guard rail replacement										
A4	Electrical equipment replacement										
A5	Walkway slab substitution								■		
	PAVEMENTS										
B1	Roadway pavement and waterproofing replacement										
B2	Roadway superficial drainage rehabilitation										
B3	Walkway pavement replacement										
B4	Expansion joints replacement										
B5	Bearings replacement										
	CONCRETE REPAIR										
C1	Deck slab repair										
C2	Prestressed concrete beams repair										
C3	Pier caps concrete repair										
C4	Piers concrete repair										
C5	Tower leg concrete repair										
C6	Structural strengthening										
C7	Superstructure replacement										
	STEEL WORKS										
D1	Painting of steel structures										
D2	Stay cables maintenance										
D3	Strengthen of anchor bolts										
D4	Rehabilitation of inspection gantry and rails										
	EARTHWORKS										
E1	Ashlar stoneworks repair										
E2	Repair of strutture connection with embankment										
E3	Cone quarters rehabilitation										
E4	Rehabilitation of storm water collecting system										
E5	River bank improvement										

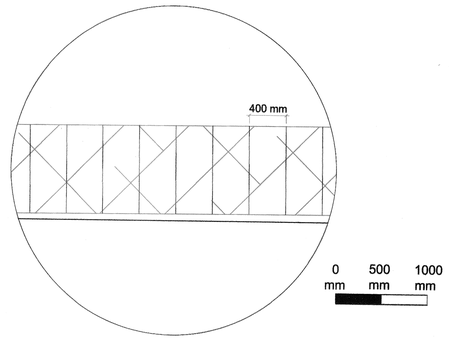
INTERVENTION DETAILS



PLAN WITH BRIDGE WALKWAY METALLIC SLABS LOCATION - 1:250



INTERVENTION ON BRIDGE WALKWAY SLAB - SECTION B-B - 1:10



INTERVENTION ON BRIDGE WALKWAY SLAB - DETAIL 1

INVESTOR/INVESTITOR

ROMANIAN NATIONAL COMPANY OF MOTORWAYS AND NATIONAL ROADS
COMPANIA NATIONALA DE AUTOSTRAZI SI DRUMURI NATIONALE DIN ROMANIA

DESIGNER/PROIECTANT

LOUIS BERGER GROUP inc.

CONSULTING SERVICES FOR DESIGN AND WORKS SUPERVISION OF 10 BRIDGES IN DOBROGEA AREA

TECHNICAL DESIGN

B08-BRIDGE A2 BORCEA | TD - B08 - 04

DESIGN TEAM LEADER
Vittorio Ascoli Marchetti

ORDINE DEGLI INGEGNERI ROMA nr. 12645

ROAD FINISHES AND EQUIPMENT

CONSULTANTS
SOLIDUS s.r.l. - Roma Italia
Francesco Del Tosto
Romano Tucci

A5
WALKWAY SLAB SUBSTITUTION

scale	various	file name	TD - B08 - 04			
data / date	rev.	revision title	des	ver/chk	CP / PC	APPR. AUTHORITY
08 aug 2008	0	issue	SOLIDUS	ASCOLI		