

ROAD : C2E / 20

BRIDGE NAME : CLODDACH SOUTH OF ELGIN

O.S. GRID REF : 202 584

1995

Route : CZE

Division :

OS Map Ref : 202584 Sheet No : 1 of 7

Structure Name : CLODDACH - SOUTH OF ELGIN

No of Spans : 3.

Basic Structural Form : STEEL BEAMS - CONCRETE Extended? No

Inspected by :

Date : 27th SEPTEMBER 1995

DECK.

TYPE OF INSPECTION

INSPECTION REFERENCE NO

9 / 284 / 95 / AH

Item No	Description of Item	Condition (P,F,G,NA)	Description of Defect	Severity	Extent
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END SUPPORT NO LEFT HAND.

INDICATIVE POSITION

1	Invert/Apron	NA.		0	
2	Foundations	G.		0	
3	Cutwaters	NA.		0	
5	Abutments	F	VERTICAL CRACK FULL HEIGHT.	0	
6	Wingwalls	G		0	
7	Embankment	G.		0	
8	Training Walls	NA.		0	
9	Drainage Substructure	NA.		0	
10	Parapets	F-P.	CONCRETE CRACKED - PLASTER FACED	0	GENERAL
11	Bearings	NA.		0	
26	Pointing	NA.		0	
27	Surfacing	NA.		0	

END SUPPORT NO RIGHT HAND

INDICATIVE POSITION

1	Invert/Apron	NA.		0	
2	Foundations	G.		0	
3	Cutwaters	NA.		0	
5	Abutments	G.		0	
6	Wingwalls	G	- IMPACT CRACK (HORIZONTAL) ON L. BOTTOM OF PARAPET	0	SM.
7	Embankments	G.		0	
8	Training Walls	NA.		0	
9	Drainage Substructure	NA.		0	
10	Parapets	F-P	CONCRETE CRACKED / PLASTER FACED	0	GENERAL
11	Bearings	NA		0	
26	Pointing	NA.		0	
27	Surfacing	NA.		0.	

ANY ADDITIONAL REMARKS TO BE REFERENCED TO STRUCTURE, PART AND ITEM NO ON A SEPARATE SHEET.

Types of Testing Required  
Type of Access and Equipment

Severity

- 0 - no repair at present - monitor
- 1 - repair within next 3 years
- 2 - repair in next financial year
- 3 - requires immediate repair

BRIDGE INSPECTION FORM INTERMEDIATE SUPPORTS

Form 2

Structure Name : CLODDACH - SOUTH OF ELGIN. Sheet No 2 of 7.

Item No	Description of Item	Condition (P,F,G,NA)	Description of Defect	Severity	Extent
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INTERMEDIATE SUPPORT NO LEFT HAND.

INDICATIVE POSITION

1	Invert/Apron	<u>G</u>		<u>0</u>	
2	Foundations	<u>G</u>		<u>0</u>	
3	Cutwaters	<u>F</u>	<u>CRACKED &amp; SPALLED AT TOP.</u>	<u>0</u>	
4	Piers/Columns	<u>F</u>		<u>0</u>	
8	Training Walls	<u>NA.</u>		<u>0</u>	
9	Drainage Substructure	<u>NA</u>		<u>0</u>	
11	Bearings	<u>NA</u>		<u>0</u>	
26	Pointing	<u>NA.</u>		<u>0.</u>	

INTERMEDIATE SUPPORT NO RIGHT HAND.

INDICATIVE POSITION

1	Invert/Apron	<u>G</u>		<u>0</u>	
2	Foundations	<u>G</u>		<u>0</u>	
3	Cutwaters	<u>F</u>	<u>CRACKED &amp; SPALLED AT TOP</u>	<u>0</u>	
4	Piers/Columns	<u>F</u>		<u>0</u>	
8	Training Walls	<u>NA.</u>		<u>0</u>	
9	Drainage Substructure	<u>NA.</u>		<u>0</u>	
11	Bearings	<u>NA</u>		<u>0</u>	
26	Pointing	<u>NA.</u>		<u>0</u>	

INTERMEDIATE SUPPORT NO

INDICATIVE POSITION

1	Invert/Apron				
2	Foundations				
3	Cutwaters				
4	Piers/Columns				
8	Training Walls				
9	Drainage Substructure		<u>NA.</u>		
11	Bearings				
26	Pointing				

ANY ADDITIONAL REMARKS TO BE REFERENCED TO STRUCTURE, PART AND ITEM NO ON A SEPARATE SHEET

BRIDGE INSPECTION FORM FOR DECKS

Structure Name CLODDACH - SOUTH OF BELGIN Sheet No 3 of 7

Item No	Description of Item	Condition (P,F,G,NA)	Description of Defect	Severity	Extent
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DECK NO ALL.

INDICATIVE POSITION

10	Parapets	G		0	
12	Expansion Joints	NA.		0	
13	Main Beams	F-G.	OUTSIDE BEAMS ARE RUSTING -	1	
14	Encased Ends	G	ALL BEAMS TO BE GRITBLASTED	0	
15	Troughing	NA.	& THICKNESS MEASURED. - THEN PAINTED	0	
16	Jack Arches	F	CORRUGATED IRON SHATTERING	1	
17	Transverse Beams & Diaphragm	NA.	TO BE SHOT BLASTED & PAINTED	0	
18	Waterproofing	NA.		0	
19	Drainage Superstructure	NA	OLD DRAINS HAVE BEEN SEALED.	0	
20	Concrete Deck	?		0	
21	Arch Springing	NA		0	
22	Arch Ring	NA		0	
23	Voussoirs/ Archface	NA		0	
24	Spandrel Walls	NA		0	
25	Tie Rods	NA.		0	
26	Pointing	NA.	TIES ON BEAM FLANGES	0	
27	Surfacing	G.		0	

DECK NO

INDICATIVE POSITION

10	Parapets				
12	Expansion Joints				
13	Main Beams				
14	Encased Ends				
15	Troughing				
16	Jack Arches				
17	Transverse Beams & Diaphragm				
18	Waterproofing				
19	Drainage Superstructure				
20	Concrete Deck				
21	Arch Springing				
22	Arch Ring				
23	Voussoirs/ Archface				
24	Spandrel Walls				
25	Tie Rods				
26	Pointing				
27	Surfacing				

ANY ADDITIONAL REMARKS TO REFERENCE TO STRUCTURE, PART AND ITEM NO ON A SEPARATE SHEET.

BRIDGE REMEDIAL AND ESTIMATE FORM FOR END SUPPORTS

Route : **C2E**

Inspection Reference No :

Sheet No **4** of **7**

Structure Name : **CLODDACH  
SOUTH OF BGIN**

No of Spans : **3.**

TYPE OF INSPECTION

Item No	Description of Item	Proposed Remedial Work	Routine or Structural	Estimated Cost
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END SUPPORT NO **RIGHT HAND.**

INDICATIVE POSITION

1	Invert/Apron	}			
2	Foundations				
3	Cutwaters				
5	Abutments		<b>NONE REQUIRED</b>		
6	Wingwalls				
7	Embankment				
8	Training Walls				
9	Drainage Substructure				
10	Parapets		<b>REBUILD - LONG TERM.</b>	<b>ROUTINE</b>	<b>4000.</b>
11	Bearings				
26	Pointing	<b>NONE REQUIRED</b>			
27	Surfacing				

END SUPPORT NO **LEFT HAND**

INDICATIVE POSITION

1	Invert/Apron	}			
2	Foundations		<b>NONE REQUIRED.</b>		
3	Cutwaters				
5	Abutments		<b>MONITOR CRACK (&amp; SEAL) - LONG TERM.</b>	<b>ROUTINE</b>	<b>100</b>
6	Wingwalls				
7	Embankment		<b>NONE REQUIRED.</b>		
8	Training Walls				
9	Drainage Substructure				
10	Parapets		<b>REBUILD - LONG TERM.</b>	<b>ROUTINE</b>	<b>4000</b>
11	Bearings				
26	Pointing	<b>NONE REQUIRED</b>			
27	Surfacing				

ANY ADDITIONAL REMARKS TO BE REFERENCED TO STRUCTURE, PART AND ITEM NO ON A SEPARATE SHEET.

Sheet total ..... **3100.** .....

Structure Name : **CLODDACH & SOUTH OF ELGIN**

Sheet No **5** of **7**

Item No	Description of Item	Proposed Remedial Work	Routine or Structural	Estimated Cost
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INTERMEDIATE SUPPORT NO **LEFT HAND** INDICATIVE POSITION

1	Invert/Apron	<b>NONE REQUIRED</b>		
2	Foundations			
3	Cutwaters			
4	Piers/Columns			
8	Training Walls			
9	Drainage Substructure			
11	Bearings			
26	Pointing			

INTERMEDIATE SUPPORT NO **RIGHT HAND** INDICATIVE POSITION

1	Invert/Apron	<b>NONE REQUIRED</b>		
2	Foundations			
3	Cutwaters			
4	Piers/Columns			
8	Training Walls			
9	Drainage Substructure			
11	Bearings			
26	Pointing			

INTERMEDIATE SUPPORT NO INDICATIVE POSITION

1	Invert/Apron	<b>NA</b>		
2	Foundations			
3	Cutwaters			
4	Piers/Columns			
8	Training Walls			
9	Drainage Substructure			
11	Bearings			
26	Pointing			

ANY ADDITIONAL REMARKS TO BE REFERENCED TO STRUCTURE, PART AND ITEM NO ON A SEPARATE SHEET

Sheet total.....

Structure Name : CLODDACH - SOUTH OF ELGIN Sheet No 0 of 7

Item No	Description of Item	Proposed Remedial Work	Routine or Structural	Estimated Cost
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DECK NO ALL

INDICATIVE POSITION

10	Parapets	<u>SHOT BLAST &amp; PAINT.</u>	<u>ROUTINE</u>	<u>1000</u>	
12	Expansion Joints	<u>NONE REQUIRED.</u>			
13	Main Beams	<u>&amp; SOFFIT. - SHOT BLAST - TEST &amp; PAINT.</u>	<u>STRUCTURAL</u>	<u>15,000</u>	
14	Encased Ends	} <u>NONE REQUIRED.</u>			
15	Troughing				
16	Jack Arches				
17	Transverse Beams & Diaphragm				
18	Waterproofing				
19	Drainage Superstructure				
20	Concrete Deck		<u>KERB &amp; DRAIN.</u>	<u>ROUTINE</u>	<u>15,000</u>
21	Arch Springing				
22	Arch Ring				
23	Voussoirs/ Archface				
24	Spandrel Walls		<u>NONE REQUIRED.</u>		
25	Tie Rods				
26	Pointing				
27	Surfacing				

DECK NO

INDICATIVE POSITION

10	Parapets			
12	Expansion Joints			
13	Main Beams			
14	Encased Ends			
15	Troughing			
16	Jack Arches			
17	Transverse Beams & Diaphragm			
18	Waterproofing			
19	Drainage Superstructure			
20	Concrete Deck			
21	Arch Springing			
22	Arch Ring			
23	Voussoirs/ Archface			
24	Spandrel Walls			
25	Tie Rods			
26	Pointing			
27	Surfacing			

ANY ADDITIONAL REMARKS TO BE REFERENCE TO STRUCTURE, PART AND ITEM NO ON A SEPARATE SHEET

Sheet total 30,100

Grand total 39,200







PLATE A



PLATE B



PLATE C



PLATE D



PLATE E



PLATE F



PLATE G



PLATE H



PLATE I