



COMMONWEALTH OF PENNSYLVANIA
PENNSYLVANIA PUBLIC UTILITY COMMISSION
P.O. BOX 3265, HARRISBURG, PA 17105-3265

IN REPLY PLEASE
REFER TO OUR FILE

December 30, 1997

C-00913419

TO ALL PARTIES

Representative Daniel L. Anderson v. Bessemer and
Lake Erie Railroad Company.

To Whom It May Concern:

By order entered July 15, 1997, the Commission directed Bessemer and Lake Erie Railroad to maintain and inspect the bridge carrying its track over S.R. 1015 in Indiana Township, Allegheny County.

This Commission issues this Secretarial letter in accordance with Section 2702 of the Public Utility Code and finds that since the railroad company is inspecting the bridge for any deficiencies on a six-month basis, the record in the above-docketed proceeding be "CLOSED".

If you are dissatisfied with the resolution of this matter, you may, as set forth in 52 Pa. Code §5.44, file a petition with the Commission within ten (10) days of the date of this letter.

Very truly yours,

James J. McNulty
James J. McNulty
Secretary

DOCKETED
FEB 11 1998

**DOCUMENT
FOLDER**

BTL

BESSEMER AND LAKE ERIE RAILROAD COMPANY

135 JAMISON LANE • P. O. BOX 68 • MONROEVILLE, PENNSYLVANIA 15146

129887

98 JAN 26 AM 11:14

RECEIVED
PROthonARY'S OFFICE

January 23, 1998

Mr. John G. Alford, Secretary
PA Public Utility Commission
P.O. Box 3265
North Office Building
Harrisburg, PA 17105-3265

ORIGINAL

C-00913419

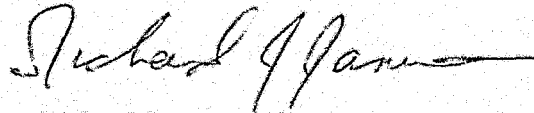
Dear Mr. Alford:

RE: Republic Arch Over SR 1015 and Little Deer Creek (MP 7.77), Indiana Twp., Allegheny Co.

Semi-Annual Inspection Report for West Headwall Monitoring and Spalling Concrete per PUC
Order of July 15, 1997, PUC File #00913419

On January 6, 1998, the subject arch over the highway was inspected for spalling and scaling
concrete. No new spalls were found either in the barrel or on the faces and spandrel walls. No scale
was found in the barrel. Also, please find attached the latest west head wall monitoring report.

Sincerely,

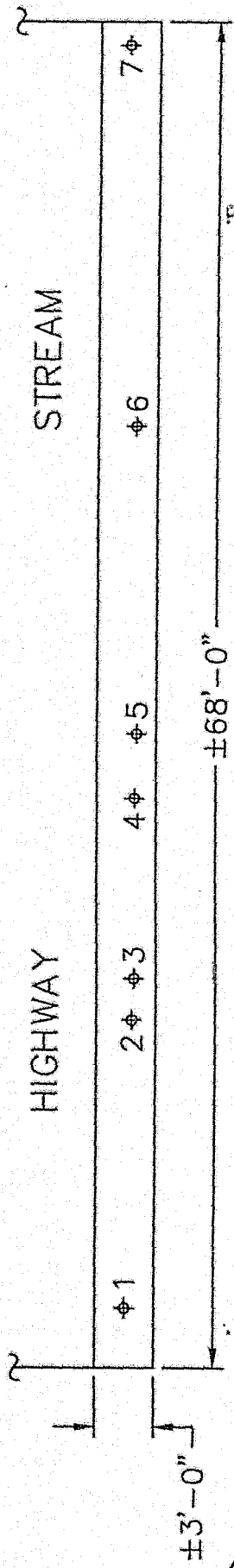


Richard J. Janus, P.E.
Engineer Structures

RJJ/cc
Attachment

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DOCKETED
FEB 05 1998
DOCUMENT
FOLDER



PLAN VIEW - WEST HEADWALL

RECEIVED

JAN 26 1998

PA PUBLIC UTILITY COMMISSION
PROTHONOTARY'S OFFICE

C-00913419

MONITORING INSTRUCTIONS

1. SET UP THE INSTRUMENT (EDM) OVER POINT # 1 (CENTER OVER NAIL HEAD) AND TO POINT # 7 (NAIL k). USE THIS LINE AS A BASELINE: DISTANCE = ±63.96'; ANGLE = 0°00'00".
2. MEASURE OFFSETS TO POINT #S 2 - 6 (NAIL SHANK EDGE NEAREST THE BASELINE).
3. RECORD CALCULATED DISTANCES AND ANGLES TO POINT #S 2 - 6.
4. MINOR DIFFERENCES IN THE MEASURED AND CALCULATED OFFSETS WILL OCCUR DUE TO THE PRECISION OF THE EDM AND THE NAIL WIDTH.

LEGEND	
NO.	DESCRIPTION
1	PORTAL NORTH END (SET UP)
2	NORTH OF CRACK @ ROADWAY k
3	SOUTH OF CRACK @ ROADWAY k
4	NORTH OF CRACK BETWEEN ARCHES
5	SOUTH OF CRACK BETWEEN ARCHES
6	NEAR k OF ARCH SPANNING CREEK
7	PORTAL SOUTH END (FORESIGHT)



BESSEMER AND LAKE ERIE RAILROAD COMPANY
DOUBLE CONCRETE ARCH (MP 7.77)
OVER
SR 1015 & LITTLE DEER CREEK
WEST HEADWALL MONITORING
INDIANA TWP ALLEGHENY CO

OFFICE OF CHIEF ENGINEER
MONROEVILLE, PA
DRAWN BY _____ MAP

SCALE 1/8" = 1'-0"
DATE 7/97

SHEET 1 OF 2

C-913419

LOCKETED
FEB 06 1998

BESSEMER AND LAKE ERIE RAILROAD COMPANY

135 JAMISON LANE • P. O. BOX 68 • MONROEVILLE, PENNSYLVANIA 15146

August 5, 1998

ORIGINAL

Mr. John G. Alford, Secretary
PA Public Utility Commission
P.O. Box 3265
North Office Building
Harrisburg, PA 17105-3265

C-913419

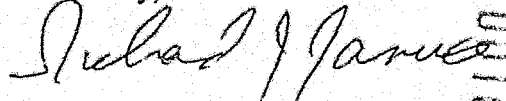
Dear Mr. Alford:

RE: Republic Arch Over SR 1015 and Little Deer Creek (MP 7.77), Indiana Twp., Allegheny Co.

Semi-Annual Inspection Report for West Headwall Monitoring and Spalling Concrete per PUC
Order of July 15, 1997, PUC File #00913419

On July 1, 1998, the subject arch over the highway was inspected for spalling and scaling concrete. Although some scale was found along the edges of the road in the barrel, no new spalls were found either in the barrel or on the faces and spandrel walls. As information, Railroad forces cleared brush and scaled the arch on 5/5/98. Also, please find attached the latest west headwall monitoring report. The calculated offsets were not performed because it became evident that the turned angles were extremely sensitive to the placement of the laser reflector in the relatively short distances. Therefore, in the future, only measured offsets will be recorded.

Sincerely,



Richard J. Janus, P.E.
Engineer Structures

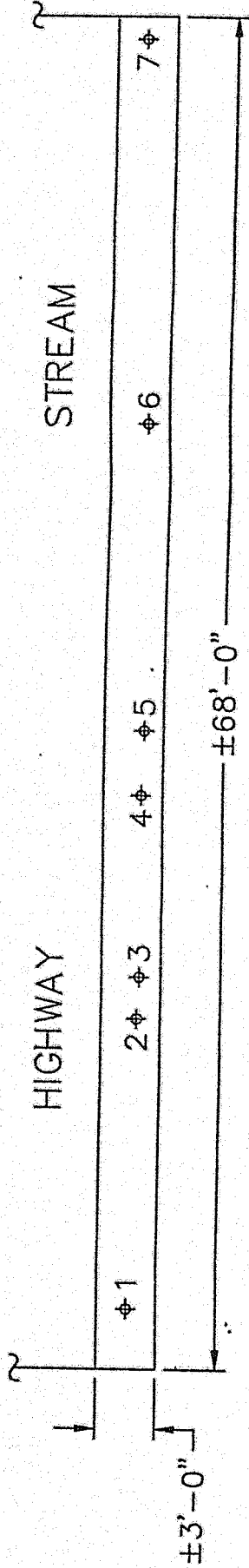
001608

RJJ/cc
Attachment

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DOCUMENT
FOLDER

SECRETARY'S BUREAU
AUG 10 1998



PLAN VIEW - WEST HEADWALL

981005

MONITORING INSTRUCTIONS

1. SET UP THE INSTRUMENT (EDM) OVER POINT # 1 (CENTER OVER NAIL HEAD) AND FORESIGHT TO POINT # 7 (NAIL k). USE THIS LINE AS A BASELINE.
DISTANCE = ±63.96'; ANGLE = 0°00'00".
2. MEASURE OFFSETS TO POINT #'S 2 - 6 (NAIL SHANK EDGE NEAREST THE BASELINE).
3. RECORD CALCULATED DISTANCES AND ANGLES TO POINT #'S 2 - 6.
4. MINOR DIFFERENCES IN THE MEASURED AND CALCULATED OFFSETS WILL OCCUR DUE TO THE PRECISION OF THE EDM AND THE NAIL WIDTH.

LEGEND	
NO.	DESCRIPTION
1	PORTAL NORTH END (SET UP)
2	NORTH OF CRACK @ ROADWAY k
3	SOUTH OF CRACK @ ROADWAY k
4	NORTH OF CRACK BETWEEN ARCHES
5	SOUTH OF CRACK BETWEEN ARCHES
6	NEAR k OF ARCH SPANNING CREEK
7	PORTAL SOUTH END (FORESIGHT)

REGISTERED
AUG 12 1998
FOLIO



BESSEMER AND LAKE ERIE RAILROAD COMPANY
DOUBLE CONCRETE ARCH (MP 7.77)
OVER
SR 1015 & LITTLE DEER CREEK
WEST HEADWALL MONITORING
INDIANA TWP ALLEGHENY CO

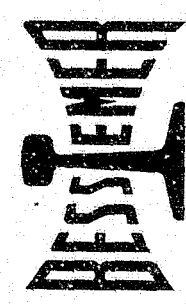
OFFICE OF CHIEF ENGINEER
MONROEVILLE, PA
DRAWN BY _____ MAP

SCALE 1/8" = 1'-0"
DATE 7/97

MONITORING DATA

POINT #:	2			3			4			5			6									
	DATE	DISTANCE	ANGLE	OFFSET (MEASURED)	OFFSET (CALCULATED)	DISTANCE	ANGLE	OFFSET (MEASURED)	OFFSET (CALCULATED)	DISTANCE	ANGLE	OFFSET (MEASURED)	OFFSET (CALCULATED)	DISTANCE	ANGLE	OFFSET (MEASURED)	OFFSET (CALCULATED)					
7/21/97	14.56'	113°20'	113°20'	3 5/8"	3 11/16"	16.67	124°45'	4 3/4"	4 15/16"	25.86'	0°56'20"	5"	5 1/16"	29.14'	11°55'	6 5/16"	6 5/16"	44.79'	0°33'25"	5 1/8"	5 3/16"	
1/6/98	14.54'	111°45'	111°45'	3 3/4"	3 5/8"	16.66'	123°50'	4 13/16"	4 7/8"	25.85'	0°56'40"	5"	5 1/8"	29.13'	12°25'	6 5/16"	6 5/16"	44.79'	0°33'20"	5 1/8"	5 3/16"	
7/1/98	14.54'	109°10'	109°10'	3 3/4"	---	16.64'	120°15'	4 13/16"	---	25.83'	0°54'30"	5"	---	29.13'	10°31'0"	6 1/4"	---	44.77'	0°33'15"	5 1/8"	---	

NOTE: OFFSETS, MEASURED AND CALCULATED, ARE ROUNDED TO THE NEAREST SIXTEENTH.



BESSEMER AND LAKE ERIE RAILROAD COMPANY
DOUBLE CONCRETE ARCH (MP 7.77)
 OVER
 SR 1015 & LITTLE DEER CREEK
 WEST HEADWALL MONITORING
 INDIANA TWP ALLEGHENY CO

OFFICE OF CHIEF ENGINEER
 MONROEVILLE, PA
 DRAWN BY _____ MAP

SCALE 1/8" = 1'-0"
 DATE 7/97

REGISTERED
 AUG 12 1990

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BESSEMER AND LAKE ERIE RAILROAD COMPANY

135 JAMISON LANE • P. O. BOX 68 • MONROEVILLE, PENNSYLVANIA 15146

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D. Fischer
FVI
DAS

COPY

C-00913419

August 5, 1998

Mr. David A. Salapa, Esq.
Assistant Counsel
Bureau of Transportation & Safety
PA Public Utility Commission
P.O. Box 3265
Harrisburg, PA 17105-3265

RECEIVED

DEPARTMENT OF TRANSPORTATION
PA PUBLIC SAFETY DIVISION
AUG 10 1998

**BUREAU OF T & S
LEGAL DIVISION**

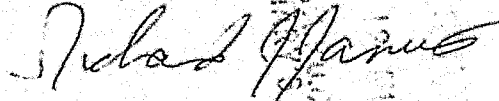
Dear Mr. Salapa:

RE: Republic Arch Over SR 1015 and Little Deer Creek (MP 7.77), Indiana Twp., Allegheny Co.

Semi-Annual Inspection Report for West Headwall Monitoring and Spalling Concrete per PUC Order of July 15, 1997, PUC File #00913419

On July 1, 1998, the subject arch over the highway was inspected for spalling and scaling concrete. Although some scale was found along the edges of the road in the barrel, no new spalls were found either in the barrel or on the faces and spandrel walls. As information, Railroad forces cleared brush and scaled the arch on 5/5/98. Also, please find attached the latest west headwall monitoring report. The calculated offsets were not performed because it became evident that the turned angles were extremely sensitive to the placement of the laser reflector in the relatively short distances. Therefore, in the future, only measured offsets will be recorded.

Sincerely,

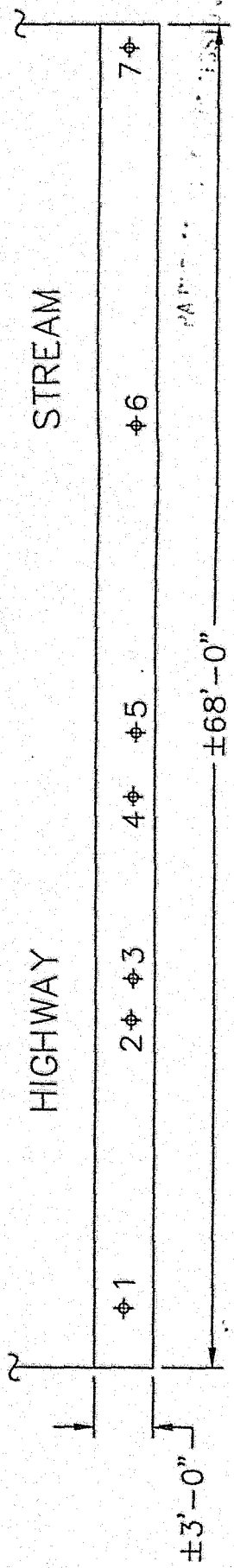


Richard J. Janus, P.E.
Engineer Structures

SECRET
BUREAU
AUG 10 1998

RJJ/cc
Attachment

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PLAN VIEW - WEST HEADWALL

DATE: 10 1998

DEPARTMENT OF TRANSPORTATION & SAFETY
DIVISION

MONITORING INSTRUCTIONS

1. SET UP THE INSTRUMENT (EDM) OVER POINT # 1 (CENTER OVER NAIL HEAD) AND FORESIGHT TO POINT # 7 (NAIL k). USE THIS LINE AS A BASELINE:
DISTANCE = ±63.96'; ANGLE = 0°00'00".
2. MEASURE OFFSETS TO POINT #'S 2 - 6 (NAIL SHANK EDGE NEAREST THE BASELINE).
3. RECORD CALCULATED DISTANCES AND ANGLES TO POINT #'S 2 - 6.
4. MINOR DIFFERENCES IN THE MEASURED AND CALCULATED OFFSETS WILL OCCUR DUE TO THE PRECISION OF THE EDM AND THE NAIL WIDTH.

LEGEND

NO.	DESCRIPTION
1	PORTAL NORTH END (SET UP)
2	NORTH OF CRACK @ ROADWAY k
3	SOUTH OF CRACK @ ROADWAY k
4	NORTH OF CRACK BETWEEN ARCHES
5	SOUTH OF CRACK BETWEEN ARCHES
6	NEAR k OF ARCH SPANNING CREEK
7	PORTAL SOUTH END (FORESIGHT)



BESSEMER AND LAKE ERIE RAILROAD COMPANY
DOUBLE CONCRETE ARCH (MP 7.77)
OVER

SR 1015 & LITTLE DEER CREEK
WEST HEADWALL MONITORING
INDIANA TWP ALLEGHENY CO

OFFICE OF CHIEF ENGINEER
MONROEVILLE, PA
DRAWN BY _____ MAP

SCALE 1/8" = 1'-0"
DATE 7/97

MONITORING DATA

POINT #:	2			3			4			5			6						
	DISTANCE	ANGLE	OFFSET (MEASURED)	DISTANCE	ANGLE	OFFSET (MEASURED)	DISTANCE	ANGLE	OFFSET (MEASURED)	DISTANCE	ANGLE	OFFSET (MEASURED)	DISTANCE	ANGLE	OFFSET (MEASURED)				
7/21/97	14.56'	1°13'20"	3 5/8"	16.67'	1°24'45"	4 3/4"	25.86'	0°56'20"	5"	5 1/16"	29.14'	1°1'55"	6 5/16"	6 5/16"	44.79'	0°33'25"	6 1/8"	5 3/16"	
1/6/98	14.54'	1°11'45"	3 3/4"	16.66'	1°23'50"	4 13/16"	25.85'	0°56'40"	5"	5 1/8"	29.13'	1°2'25"	6 5/16"	6 5/16"	44.79'	0°33'20"	5 1/8"	5 3/16"	
7/1/98	14.54'	1°09'10"	3 3/4"	16.64'	1°20'15"	4 13/16"	25.83'	0°54'30"	5"	-----	29.13'	1°03'10"	6 1/4"	-----	44.77'	0°33'15"	5 1/8"	-----	

NOTE: OFFSETS, MEASURED AND CALCULATED, ARE ROUNDED TO THE NEAREST SIXTEENTH.

BESSEMER
 BESEMER AND LAKE ERIE RAILROAD COMPANY
 DOUBLE CONCRETE ARCH (MP 7.77)
 OVER
 SR 1015 & LITTLE DEER CREEK
 WEST HEADWALL MONITORING
 INDIANA TWP ALLEGHENY CO

OFFICE OF CHIEF ENGINEER
 MONROEVILLE, PA
 DRAWN BY _____ MAP _____
 SCALE 1/8" = 1'-0"
 DATE 7/97

BESSEMER AND LAKE ERIE RAILROAD COMPANY

135 JAMISON LANE • P. O. BOX 68 • MONROEVILLE, PENNSYLVANIA 15146

DOCUMENT
FOLDER

C-00913419

January 27, 1999

DOCKETED
FEB 02 1999

Mr. John G. Alford, Secretary
PA Public Utility Commission
P.O. Box 3265
North Office Building
Harrisburg, PA 17105-3265

ORIGINAL

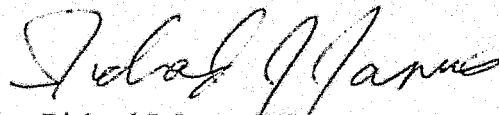
Dear Mr. Alford:

RE: Republic Arch Over SR 1015 and Little Deer Creek (MP 7.77), Indiana Twp., Allegheny Co.

Semi-Annual Inspection Report for West Headwall Monitoring and Spalling Concrete per PUC
Order of July 15, 1997, PUC File #00913419

On January 25, 1999, the subject arch over the highway was inspected for spalling and scaling concrete. There was some scale found at the base of the barrel on the south side which appeared to be from spalls along the base. No loose scale was seen in the barrel and no maintenance is required at this time. Also, please find attached the latest west headwall monitoring report.

Sincerely,



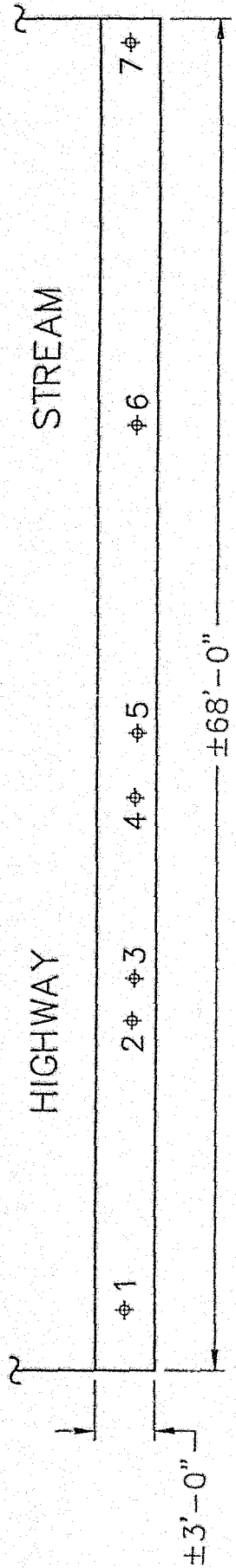
Richard J. Janus, P.E.
Engineer Structures

RJJ/cc
Attachment

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SECRETARY'S BUREAU
99 FEB -1 PM 12:42

034411



PLAN VIEW - WEST HEADWALL

MONITORING INSTRUCTIONS

1. SET UP THE INSTRUMENT (EDM) OVER POINT # 1 (CENTER OVER NAIL HEAD) AND FORESIGHT TO POINT # 7 (NAIL k). USE THIS LINE AS A BASELINE: DISTANCE = ±63.96'; ANGLE = 0°00'00".
2. MEASURE OFFSETS TO POINT #'S 2 - 6 (PLACE END OF RULER AGAINST NAIL SHANK EDGE NEAREST THE BASELINE).

LEGEND	
NO.	DESCRIPTION
1	PORTAL NORTH END (SET UP)
2	NORTH OF CRACK @ ROADWAY k
3	SOUTH OF CRACK @ ROADWAY k
4	NORTH OF CRACK BETWEEN ARCHES
5	SOUTH OF CRACK BETWEEN ARCHES
6	NEAR k OF ARCH SPANNING CREEK
7	PORTAL SOUTH END (FORESIGHT)

REVISED 1/27/99 RJJ (CALC. OFFSET INSTRUCTIONS REMOVED)



BESSEMER AND LAKE ERIE RAILROAD COMPANY
 DOUBLE CONCRETE ARCH OVER
 SR 1015 & LITTLE DEER CREEK
 WEST HEADWALL MONITORING
 INDIANA TWP ALLEGHENY CO

OFFICE OF CHIEF ENGINEER
 MONROEVILLE, PA
 DRAWN BY _____ MAP

SCALE 1/8" = 1'-0"
 DATE 7/97

SHEET 1 OF 2

