

CAPTION SHEET

CASE MANAGEMENT SYSTEM

1. REPORT DATE: 00/00/00
 2. BUREAU: SCR
 3. SECTION(S):
 5. APPROVED BY:
 DIRECTOR:
 SUPERVISOR:
 6. PERSON IN CHARGE:
 8. DOCKET NO: A-00110138

4. PUBLIC MEETING DATE:
 00/00/00
 7. DATE FILED: 03/24/92
 9. EFFECTIVE DATE: 00/00/00

PARTY/COMPLAINANT:

RESPONDENT/APPLICANT: LOWER MAKEFIELD TOWNSHIP

COMP/APP COUNTY: BUCKS

UTILITY CODE: 950000

ALLEGATION OR SUBJECT

APPLICATION OF THE TOWNSHIP OF LOWER MAKEFIELD FOR APPROVAL OF THE ALTERATION OF THE CROSSING (AAR #507635M) WHERE HEACOCK ROAD S.R. 2029 CROSSES AT THE TRACKS OF CONSOLIDATED RAIL CORPORATION, LOWER MAKEFIELD TOWNSHIP, BUCKS COUNTY.

POOR ORIGINAL

**DOCUMENT
 FOLDER**

DOCKETED
 MAR 25 1992
 L.P.W.

KIR

Corrected

CAPTION SHEET

CASE MANAGEMENT SYSTEM

- 1. REPORT DATE: 00/00/00
- 2. BUREAU: SCR
- 3. SECTION(S):
- 4. APPROVED BY: DIRECTOR; SUPERVISOR;
- 5. PERSON IN CHARGE: KNERF
- 6. DOCKET NO: A-00110138
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PARTY/COMPLAINANT:

RESPONDENT/APPLICANT: LOWER MAKEFIELD TOWNSHIP

COMP/APP COUNTY: DUCKS

UTILITY CODE: 950000

ALLEGATION OR SUBJECT

APPLICATION OF THE TOWNSHIP OF LOWER MAKEFIELD FOR APPROVAL OF THE ALTERATION OF THE CROSSING (AAK #589735M) WHERE HEACOCK ROAD S.R. 5029 CROSSES AT THE TRACKS OF CONSOLIDATED RAIL CORPORATION, LOWER MAKEFIELD TOWNSHIP, DUCKS COUNTY.

DOCKETED

APR 2 1992

DOCUMENT FOLDER

POOR ORIGINAL

Township of Lower Makefield

LPW

BUCKS COUNTY, PENNA.

1100 EDGEWOOD ROAD

YARBLEY, PA. 19067



ORIGINAL

(215) 493-3646

Board of Supervisors

March 18, 1992

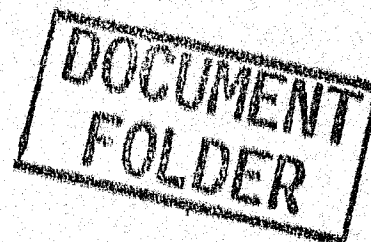
Township Manager
James J. Dillon

Grace M. Godshalk
Sidney H. Lehmann
Henry S. Miller
David J. Stall
Patricia S. Toreki

PA Public Utility Commission
P.O. Box 3265
Harrisburg, PA 17120

Attn: Mr. Jerry Rich
Secretary

A-110138



Re: Bucks County
Lower Makefield Township
Heacock Road (S.R. 2029)
AAR #589 735M

Dear Mr. Rich:

Attached please find our application to upgrade the existing at-grade rail-highway crossing on Heacock Road, S.R. 2029. The crossing improvements will be constructed as a joint effort by the Pennsylvania Department of Transportation and Lower Makefield Township. PennDOT will pay for the construction of new signals, crossing gates and a high type surface. Lower Makefield Township and PennDOT will pay for the approach roadway widening. ConRail has been requested to provide the right-of-way required for the roadway approaches and PennDOT will maintain the completed roadway improvements.

Please provide an early review of the enclosed plans and application and schedule the required field conference as quickly as possible. A rail safety field view was conducted at this site on September 14, 1991 with Kevin Kerwin.

DOCKETED

MAR 25 1992

RECEIVED

MAR 24 1992

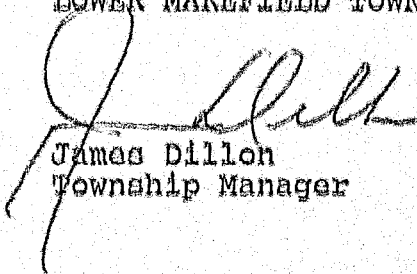
SECRETARYS OFFICE
Public Utility Commission

Mr. Jerry Rich
Harrisburg, PA 17120
Heacock Road (S.R. 2029)
Page Two

If you have any questions or require any additional information regarding this project please call.

Very truly yours,

LOWER MAKEFIELD TOWNSHIP



James Dillon
Township Manager

JD/dt
Attachment

cc: Dave Hart, PAPUC
John Youngdahl, ConRail
Jim Ottinger, PaDOT

RECEIVED

MAR 24 1992

SECRETARYS OFFICE
Ebbets Duty Commission

RECEIVED

MAR 24 1992



SECRETARYS OFFICE
Public Utility Commission

INFORM

PENNSYLVANIA PUBLIC UTILITY COMMISSION

In Re: Application of the Township of Lower Makefield for approval of the alteration of the crossing (AAR #507635M) where Heacock Road S.R. 2029 crosses at the tracks of Consolidated Rail Corporation, located in Lower Makefield Township, Bucks County.

Docket No.
A-110138

To Pennsylvania Public Utility Commission:

1. The name and address of the applicant is The Township of Lower Makefield, 1100 Edgewood Road, Yardley, PA 19067.
2. The name and address of the applicant's attorney is Jeffrey A. Garton - Deqley, Carlin & Mandio, P.O. Box 308, 680 Middletown Blvd., Langhorne, PA 19047.
3. Applicant is a Municipality of the Commonwealth of Pennsylvania. The upgrading of the existing at-grade crossing is part of a highway improvement project.
4. a. Project Location - This project is located on S.R. 2029, Heacock Road, in Lower Makefield Township, Bucks County. The existing at-grade crossing is located approximately 700 feet north of Oxford Valley Road, at Seg. 160, Offset 2607 (S.L.D. Sta. 48+01). This is a double-track rail line owned by Consolidated Rail Corporations (Conrail).
- b. Existing Conditions - The existing 20 foot wide roadway pavement of the northbound approach of S.R. 2029 is approximately 4 inches of bituminous pavement on a 5 inch stone base. The existing 58 foot wide roadway pavement on the southbound approach of S.R. 2029 is approximately 7.5 inches of bituminous pavement on 6 inches of subbase.

The existing roadway is on a tangent alignment crossing the at-grade railroad tracks. On the northbound approach to the at-grade crossing, there is a +3.53% grade. On the southbound approach to the at-grade crossing, there is a 1.54% grade.

The existing 20 foot wide pavement in the track area is bituminous pavement approximately 7.5 inches in depth.



Advanced railroad warning signs are located approximately 100 feet in advance of the railroad intersection. Signals with cantilever gates are located adjacent to the railroad crossing.

c. Proposed Improvements - Heacock Road is proposed to be widened to a 58 foot roadway width across the railroad right-of-way. Storm drainage facilities along the proposed roadway would follow separate easements outside the railroad right-of-way and outlet to Brock Creek north and east of the crossing.

In addition to the roadway widening, a bituminous bikopath is proposed to be extended across the tracks on the west side of Heacock Road.

This project is scheduled for a Summer, 1992 letting. Funding for the improvement is anticipated to be obtained from a combination of the PADOT rail crossing program and bonds issued by Lower Makefield Township.

The proposed 58 foot wide roadway on the northbound approach to the crossing will match the existing 58 foot wide southbound approach. The curbed roadway will be approximately 7.5 inches of bituminous pavement on 6 inches of subbase.

The proposed alignment extending across the at-grade crossing consists of a horizontal curve with a 0° 45' degree of curvature.

The centerline of the at-grade crossing will have a 0.00% grade. This grade will extend 15 feet in each direction. The proposed profile grade for the northbound approach will consist of a +0.50% grade, and the proposed profile grade for the southbound approach will consist of 166 foot vertical curve. The tangent grades will consist of = 1.00% and 3.13%, respectively.

There is no need for additional or other types of protection at the proposed crossing. However, signals must be reconstructed and gates with larger cantilevers will be required.

5. The project is sponsored by the local municipality, Lower Makefield Township. The Township implicitly consents to these improvements.

Public utilities located with the area of work at the crossing include the following:

- Pa American Water Company - 16" underground water main
- Philadelphia Electric Company - 12" underground gas main
- Bell Telephone Company of PA - underground cable



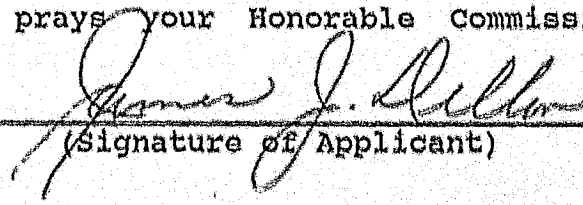
6. Vehicular Traffic along Heacock Road was obtained from a traffic study completed for all of Lower Makefield Township by Wilbur Smith and Associates, Inc.. Heacock Road has a present average daily traffic (ADT) volume of 6100. Traffic Projections for the year 2010 indicate that traffic will grow to 11,000 ADT. The current speed limit along Heacock Road is 40 m.p.h. and will remain so after the crossing is upgraded.

Train traffic at the crossing was obtained from SEPTA and Conrail. There are 294 commuter train crossings each week (SEPTA) with a maximum speed of 60 miles per hour. There is also 35 freight train crossings each week (Conrail) at a maximum speed of 50 miles per hour.

7. Upgrading the existing crossing is anticipated to cost approximately \$250,000.00 as shown on the attached itemized construction costs table. Funding for the improvement is anticipated to be obtained from a combination of the PaDOT rail crossing program and bonds issued by Lower Makefield Township.

8. The upgrading of the at-grade crossing is necessary for the continuity of the roadway lanes along Heacock Road. The existing roadway will be widened to a five lane section with a curb to curb width of 58 feet. This roadway section will be extended across the railroad right-of-way.

Wherefore, applicant prays your Honorable Commission to approve the applicant.



(Signature of Applicant)

AFFIDAVIT

COMMONWEALTH OF PENNSYLVANIA

Bucks County SS:

James J. Dillon, being duly sworn (affirmed) according to law, deposes and says that he is Township Manager of the Township of Lower Makefield; that he is authorized to and does make this affidavit for it; and that the facts above set forth are true and correct; or are true and correct to the best of his knowledge, information and belief and he expects the said Township of Lower Makefield to be able to prove the same at the hearing hereof.

James J. Dillon

Signature of Applicant

Sworn and subscribed before me this 20TH

day of MARCH 19 92

My Commission Expires NOV. 6, 1995

Donald E. Ruff
Signature of Official Administering Oath

NOTARIAL SEAL
DONALD E. RUFF, Notary Public
Newtown Boro, Bucks County, Pa.
My Commission Expires November 6, 1995



COST ESTIMATE
S.R. 2029, HEACOCK ROAD
AT-GRADE RAIL CROSSING

Signals:	Highway/Bikeway	=	\$60,000.00
Gates		=	20,000.00
Crossing	1000.00/L.F. x 50 x 2	=	<u>120,000.00</u>
			\$200,000.00
	25% Contingency		<u>50,000.00</u>
			\$250,000.00



STAGE 1

PERTINENT DATA REQUIRED ON ALL RAILROAD-HIGHWAY CROSSINGS

1. This project is located on S.R. 2029, Heacock Road, located in Lower Makefield Township, Bucks County. This existing at-grade crossing is located approximately 700 feet north of Oxford Valley Road, at Seg. 160, Offset 2607 (S.L.D. Sta. 48+01).
2. Heacock Road is proposed to be widened to a 58 foot roadway width across the railroad right-of-way. Storm drainage facilities along the proposed roadway would follow separate easements outside the railroad right-of-way and outlet to Brock Creek north and east of the crossing.
3. This project is scheduled for a Spring 1992 letting. Funding for the improvement is anticipated to be obtained from a combination of the PADOT rail crossing program and bonds issued by Lower Makefield Township.
4. This is double track rail line owned by Consolidated Rail Corporation (Conrail).
5. The existing 20 foot wide roadway pavement on the northbound approach of S.R. 2029 is approximately 4 inches of bituminous pavement on a 5 inch stone base. The existing 58 foot wide roadway pavement on the southbound approach of S.R. 2029 is approximately 7.5 inches of bituminous pavement on 6 inches of subbase.
6. The existing roadway is on a tangent alignment crossing the at-grade railroad tracks. On the northbound approach to the at-grade crossing, there is a +3.53% grade. On the southbound approach to the at-grade crossing, there is a -1.54% grade.
7. The existing 230 foot wide pavement in the track area is bituminous pavement approximately 7.5 inches in depth.
8. Advanced railroad warning signs are placed approximately 100 feet in advance of the railroad intersection. Signals with cantilever gates are placed adjacent to the railroad crossing.
9. The proposed 58 foot wide roadway on the northbound approach to the crossing will match the existing 58 foot wide southbound approach. The curbed roadway will be approximately 7.5 inches of bituminous pavement on 6 inches of subbase.

10. The proposed alignment extending across the at-grade crossing consists of a horizontal curve with a $0^{\circ} 45'$ degree of curvature.

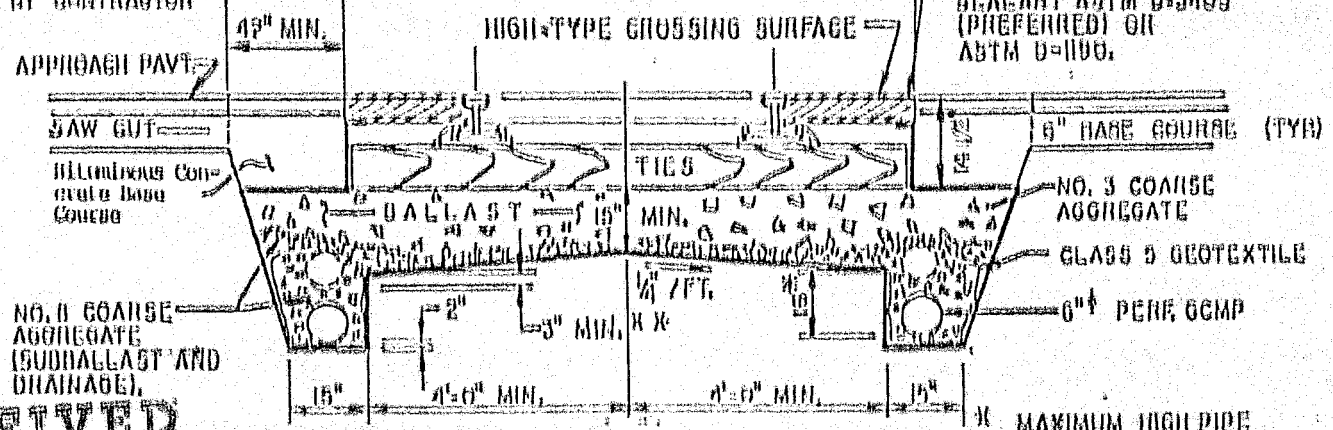
The centerline of the at-grade crossing will have a 0.00% grade. This grade will extend 15 feet in each direction. The proposed profile grade for the northbound approach will consist of a +0.50% grade, and the proposed profile grade for the southbound approach will consist of a 166 foot vertical curve. The tangent grades will consist of -1.00% and -3.13%, respectively.

11. There is no need for additional or other types of protection at the proposed crossing. However, signals must be reconstructed and gates with larger cantilevers will be required.
12. There are 294 commuter train crossings each week (SEPTA) with a maximum speed of 60 miles per hour. There is also 35 freight train crossings each week (Conrail) at a maximum speed of 50 miles per hour.
13. S.R. 2029 has a present average daily traffic of 6,100 vehicles. For the design year 2009, the anticipated volume of traffic is 11,000. The present posted legal speed limit is 40 m.p.h. and the proposed design speed will be 50 m.p.h.
14. The existing crossing cannot be abolished.
15. There is no bridge involved.
16. There will be no signalized intersection within 300 feet of the at-grade crossing.
17. There is no involvement with an Urban Redevelopment Authority on this project.

APPROACH PAVEMENT REPLACEMENT & SEALANT BY CONTRACTOR

CONSTRUCTION OF RAILROAD CROSSING BY CONRAIL CORPORATION

HOMOGENIZED ASPHALT SEALANT ASTM D-3409 (PREFERRED) OR ASTM D-1100.



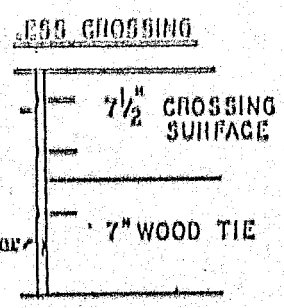
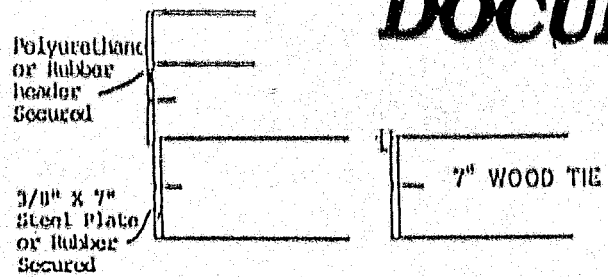
MAXIMUM HIGH PIPE DEPTH.
MINIMUM LOW PIPE DEPTH.

RECEIVED

MAR 24 1992

SECRETARY'S OFFICE
of the Utility Commission

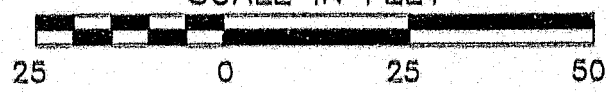
OVERSIZE DOCUMENT(S)



DOCKETED

MAR 25 1992

SCALE IN FEET



SCALE	1" = 25'
AWN	HEW
CKED	JPG
MAP NO.	
DWG. NO.	
SET NO.	1 of 2

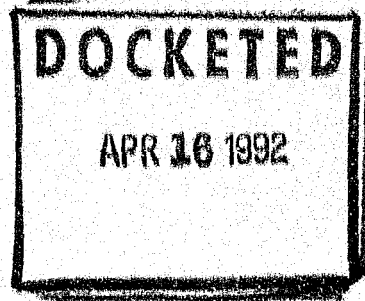
PA. P.U.C. APPLICATION PLAN
**OXFORD VALLEY ROAD
 & HEACOCK ROAD**
 Lower Makefield Township, Bucks County, Pa.

PICKERING, CORTS & SUMMERSON, INC
 CONSULTING ENGINEERS & SURVEYORS
 NEWTOWN, PENNSYLVANIA

JOB NO. 180248
 DATE 9-6-91
 DRAWING NO. 6-593 L

April 2, 1992

MR JAMES DILLON MANAGER
LOWER MAKEFIELD TOWNSHIP
1100 EDGEWOOD ROAD
YARDLEY PA 19067



In re: A-00110138 - Application of the Township of Lower Makefield for approval of the alteration of the crossing (AAR 589 735 M) where Heacock Road S.R. 2029 crosses at the tracks of Consolidated Rail Corporation, Lower Makefield Township, Bucks County.

Dear Mr. Dillon:

This is to advise that a field investigation and conference will be held at the site of the crossing on Wednesday, April 29, 1992, at 10:00 a.m. to discuss this project as well as the crossing improvement project for Big Oak Road and Edgewood Road.

Kindly arrange to have a representative present.

Very truly yours,



W. J. Knerr
Senior Civil Engineer
Rail Safety Division
Bureau of Safety and Compliance

WJK:ll

See Attached List

The Bell Telephone Company
of Pennsylvania
104 Wilmer Road
Horsham, Pennsylvania 19044

**BUREAU OF
S & C**
MAY 4 1992
**RAIL SAFETY
DIVISION**

April 30, 1992

Mr. William J. Knerr
Rail Safety Division
Pennsylvania Public Utility Commission
Bureau of Safety and Compliance
P.O. Box 3265
Harrisburg, PA 17120

In re: A-00110138 - Application of the Township of Lower Makefield for the approval of the alteration of the crossing (AARS89 735M) where Hecock Road S.R. 2029 crosses at the tracks of Consolidated Rail Corporation, Lower Makefield Township, Bucks County.

After reviewing the plans received during the field site meeting, it appears Bell of Pennsylvania's facilities are not in conflict at the crossing. If for any unforeseen reason there is a conflict, Bell of Pennsylvania will incur the initial costs if necessary.

Any questions regarding this matter can be directed to Ron Burns at (215) 956-2684.

Sincerely,



Ron Burns
Assistant Manager OFE

**DOCUMENT
FOLDER**

DOCKETED
MAY 7 1992

KRM
KJR

PHILADELPHIA ELECTRIC COMPANY

LEGAL DEPARTMENT

James W. Durham
Senior Vice President
and General Counsel

Eugene J. Bradley
Of Counsel

Bjarnie R. Anderson
Legal Administrator

**BUREAU OF
S & C**
MAY 8 1992
**RAIL SAFETY
DIVISION**

301 MARKET STREET, BOX 8699
PHILADELPHIA, PA 19101
(215) 841-5544 FAX: 568-3389
Direct Dial: 841-4257

Paul A. Donny
Ellen M. Cavanaugh
Rudolph A. Chillemi
Edward J. Cullen, Jr.
Katherine K. Dodd
Aubra S. Gaston
Gregory Golazeski
E. C. Kirk Hall
Elizabeth P. Harris
Mary McFall Hopper
Stephen L. Hunkton
Thomas G. Jackson
J. Lindsay Johnston
Kimberly Lewis
Stephanie Whitten Lewis
Jeffrey J. Norton
Wendy Schermer
Henry R. Shulbank
Noel H. Trask
Assistant General Counsel

May 4, 1992

Mr. William J. Knerr
Senior Civil Engineer, Rail Safety Division
Bureau of Safety and Compliance
Pennsylvania Public Utility Commission
P.O. Box 3265
Harrisburg, PA 17105-3265

Re: A-00110130 = Application of the Township of Lower Makefield
for approval of the alteration of the crossing (AAR 590
735 M) where Heacock Road S.R. 2029 crosses at the tracks of
Consolidated Rail Corporation, Lower Makefield Township,
Bucks County

Dear Mr. Knerr:

Pursuant to Richard M. Cornforth's attendance at the field
conference held at the site of the above Application, on
April 29, 1992, it has been determined that none of the
facilities of the Philadelphia Electric Company will have to be
altered or relocated as a result of the work contemplated by the
Applicant in this case.

If there is any other information you desire, please feel free to
contact me.

DOCKETED
MAY 14 1992

Very truly yours,

Rudolph A. Chillemi

RAC/mtj

cc: R. Cornforth

**DOCUMENT
FOLDER**

KJR

Pennsylvania-American Water Company

196 W. Johnson Highway • Norristown, PA 19404-0871

(215) 279-8616

David L. Guskey
Division Manager

**BUREAU OF
S & C**

MAY 21 1992

**RAIL SAFETY
DIVISION**

May 14, 1992

DOCKETED

MAY 27 1992

Mr. William J. Knerr
Pennsylvania Public Utility Commission
Bureau Of Safety & Compliance
P.O. Box 3265
Harrisburg, PA 17120

REF: A-00110138 Alternation Of Railroad
Crossing (AAR 589 735 M)

Dear Mr. Knerr;

Be advised that on this date our representative James O. Boss met with you for a field investigation to discuss this project, as well as crossing improvement projects for Big Oak Road and Edgewood Road.

As per this meeting and our review of the plans titled "PA P.U.C. Application Plan, Oxford Valley Road and Heacock Road" dated September 6, 1991 and prepared by Pickering, Corts, & Summerson, Inc., it has been determined that there is no apparent conflict with facilities of this company at any of these projects.

If you have any further questions, please contact me.

Very truly yours,

David L. Guskey
Division Manager

DLG/rhb

cc: Jim Badey
Velma Redmond

**DOCUMENT
FOLDER**



CONRAIL

BUREAU OF
S & C

MAY 18 1992

RAIL SAFETY
DIVISION

May 13, 1992

DOCUMENT
FOLDER

DOCKETED
MAY 21 1992

Mr. James J. Dillon
Township Manager
Township of Lower Makefield
1100 Edgewood Road
Yardley, Pennsylvania 19067

Subject: Lower Makefield Twp., Bucks County, Pennsylvania
Heacock Road Grade Crossing.
MP 28.10 Trenton Line, LC 10-0326.
AAR# 589 737B (File: 320-KRA)

WO# 46988 - Install rubber surface.
WO# 46989 - Relocate/modify flashers.

Dear Mr. Dillon:

This is in reply to your letter dated March 18, 1992 and application to the Pennsylvania FUC regarding improvements proposed at the subject grade crossing location.

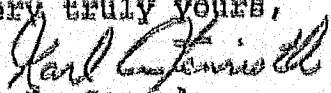
As discussed at our April 29, field conference, Conrail has no objection to the Township's proposed widening of Heacock Road as shown on Plan No. 6-593L (9-6-91). We will now prepare Conrail's force account estimate for the installation of cantilevered flashing light signals and gates and construction of a rubber crossing surface.

In response to your request for donation of the Railroad's right of way required for the widening of Heacock Road, please be advised that Conrail is not in a position to convey any real estate interests for this project without compensation. According to Federal guidelines, Conrail's share of costs for this grade crossing improvement project is recognized in the ongoing annual maintenance costs of the flashing light signals and crossing surface which are assumed by the Railroad. We estimate these maintenance costs to be \$3,500 per year. Negotiations for the necessary easements can be initiated by contacting:

Ms. Maureen C. Rosamalia, Property Manager
Consolidated Rail Corporation
1000 Howard Boulevard
Mt. Laurel, New Jersey 08054
Telephone: (609) 231-2132

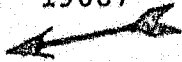
If you have any questions, please feel free to contact
this office.

Very truly yours,

for 
J. D. Cossel
Chief Engineer -
Design and Construction

Room 1200 (215) 596-2091

cc: Mr. James B. Ottinger, P.E.
District Utility Manager - Dist. 6
Pennsylvania Dept. of Transportation
200 Radnor Chester Road
St. Davids, Pennsylvania 19087

cc: Mr. David C. Hart, P.E. 
Manager, Rail Safety Division
Pennsylvania Public Utility Commission
P.O. Box 3265
Harrisburg, Pennsylvania 17120



COMMONWEALTH OF PENNSYLVANIA
PENNSYLVANIA PUBLIC UTILITY COMMISSION
P. O. BOX 3265, HARRISBURG, Pa. 17120

November 12, 1992

IN REPLY PLEASE
REFER TO OUR FILE
A-00110138

EDWARD GUDKNECHT
RECORDER OF DEEDS
COURTHOUSE
BROAD & MAIN STREETS
DOYLESTOWN PA 18901

Application of Township of Lower Makefield for approval of the alteration of the crossing (AAR No. 587 695 M) where Heacock Road (S.R. 2029) crosses the tracks of Consolidated Rail Corporation, in Lower Makefield Township, Bucks County.

To Whom It May Concern:

Enclosed, herewith, is a certified copy of an excerpt of the Commission order of November 5, 1992 in the above case, appropriating certain lands in the County of Bucks, said lands being described by metes and bounds, together with a copy of plans.

The provisions of Section 2702(d) of the Public Utility Code require that:

"The Commission shall file with the recorder of deeds of the proper county, a copy of that portion of the order of the Commission which appropriates such property and such plans and other detailed information as the Commission may deem necessary. Such portion of the Commission's order dealing with the specific property appropriated shall be recorded and indexed under the name or names of the record owners of such specific property at the expenses of the utility or utilities, political subdivisions, municipality or municipalities, governmental agency, including the Department of Transportation and Public Utility Commission, corporation or persons upon whose instigation, petition or complaint the said crossing was constructed, reconstructed, relocated, altered or abolished, as may be ordered to bear such expense of recording by the Commission; provided that when such appropriation of real property has been recorded under the provisions of any other statute, such recording shall not be duplicated under the terms of this section."

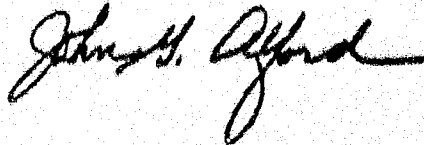
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DOCKETED
DEC 03 1992

You will note that the enclosed excerpt of the Commission order designed the Township of Makefield as the party responsible for the costs of recording. Consequently, your bill or statement billed in the name of and for the recording fee should be directed to WILLIAM J. CARLIN, SOLICITOR, 680 MIDDLETOWN BOULEVARD PO BOX 308, LANGHORNE PA 19047 so that payment may be made promptly.

Kindly advise at your earliest convenience the date of recording and the volume and page at which this order is recorded in your records and return to the Commission.

Very truly yours,



John G. Alford, Secretary

smk
Enclosure
Certified Mail