

STATE OF MICHIGAN
Office of the Michigan Public Utilities Commission, } ss.

I, Jane Thompson, Acting, Secretary of the Michigan Public Utilities Commission,

Do Hereby Certify, That I have compared the annexed copy of Permit No. U-3403

with the original permit

~~referred to~~

and that it is a true and correct transcript therefrom, and of the whole of such original.

In Testimony Whereof, I have hereunto set my hand and affixed

the seal of the Commission, at Lansing, this 12th

day of January in the year of our Lord

one thousand nine hundred twenty-seven



Acting Secretary, Michigan Public Utilities Commission.

RECORDED RIGHT OF WAY NO. 34636
985

2240

2240

STATE OF MICHIGAN
BEFORE MICHIGAN PUBLIC UTILITIES COMMISSION

Standard Railroad Wire-Crossing Permit No. U-3403

In Re Application of **Detroit Edison Company (Detroit)**

Pursuant to Act No. 171 of the Session Laws of 1898, as amended, application having been made to Michigan Public Utilities Commission by said **Detroit Edison Company**

for permission to string wires across the tracks of the **Grand Trunk Railway Company**

and said **Detroit Edison Company**

having conformed to the Commission's rules governing the filing of notices and issuing of permits for the construction of electrical lines and said rail **way** company having waived the right of notice and hearing provided for in said act

THEREFORE, It is ordered that said **Detroit Edison Company**

be permitted to string the following described wires across the tracks of said railroad at the following described place:

<p>In Lenex Township, Macomb County, Michigan:-</p>	}	<p>In Church Road, 200 ft. south of mile-post 36, with: 3 - #6 copper wires, 4800 volts, three-phase.</p>
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as indicated on the attached plans, when, as and if approved.

At the point of crossing said wires shall be constructed in accordance with this Commission's rules and regulations.

Given under our hands and the Official Seal of this Commission at the City of Lansing, State of Michigan, this 12th day of January A. D. 19 27.

MICHIGAN PUBLIC UTILITIES COMMISSION
By

SHERMAN T. HANDY

Chairman,

SAMUEL ODELL

Commissioner,

SAMUEL D. PEPPER

Commissioner,

ROLPH DUFF

Commissioner,

SIDNEY E. DOYLE

Commissioner.

MEW

RECORDED NIGHT OF MAY 10. 34636
1005

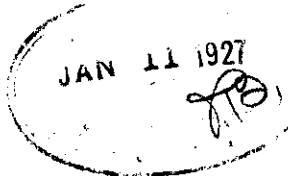
GRAND TRUNK RAILWAY SYSTEM

OFFICE OF SUPERINTENDENT

T. KING
SUPERINTENDENT

DURAND, MICH., January 10, 1927

FILE 88-4780



Michigan Public Utilities Commission,
Lansing, Michigan.

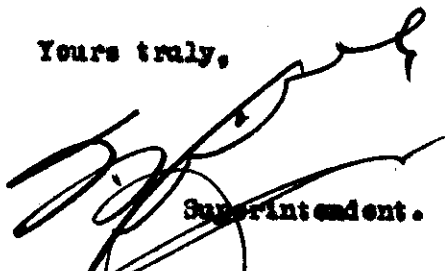
Gentlemen,

Referring to application of the Detroit Edison Company dated December 29th for permission to cross the tracks of the Chicago, Detroit, & Canada, Grand Trunk Junction Railroad Company in Church Road, approximately 200 feet south of Mile Post 26 in the southwest corner of Section 11, T 4 N, R 14 E, Lenox Township, Macomb County, Michigan with one 4800 volt, 60 cycle, three wires, 3 phase distribution circuit.

I have no objections to the construction of this crossing providing all work is done in accordance with rules and regulations of the Michigan Public Utilities Commission and with this understanding you may accept letter as formal waiver of hearing before the Commission.

I am,

Yours truly,



Superintendent.

RECORDED RIGHT OF WAY NO.

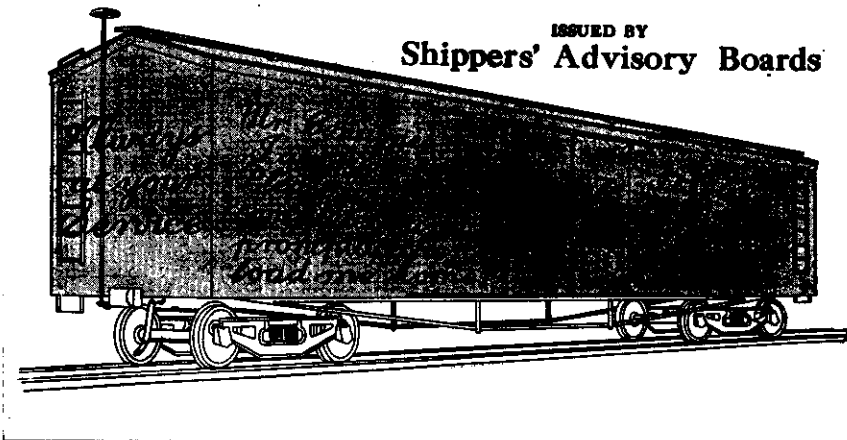
34636
PSS

CC. Mr. T. L. Hinks,
Right of Way Agent,
Detroit Edison Company,
Detroit, Michigan.

41673
See in Log
File

R 499
U 3403

ISSUED BY
Shippers' Advisory Boards



DATA SHEET TO ACCOMPANY
DRAWING #RX-499

Name of Company

The Detroit Edison Company.

Name and Location of Crossing

Over the G.T.R. in Church Rd., approximately 200' South of the
G.T.R. Mile Post #36, S.W.1/4 of Section 11, Town 4 North,
Range 14 East, Lenox Township, Macomb County, Michigan.

Circuits

Proposed one 4,800 volt, 60 cycle, 3 wire, 3 phase, distribution
circuit.

No existing circuit.

Poles

Pole (A) 40' Idaho Cedar, 28" top circumference, 43" butt circum-
ference at ground line set 6' in clay soil.

Pole (B) 45' Idaho Cedar, 28" top circumference, 43" butt circum-
ference at ground line set 6'-6" in clay soil.

Pole (C) 45' Idaho Cedar, 28" top circumference, 39" butt circum-
ference at ground line set 6'-6" in clay soil.

Pole (D) 40' Idaho Cedar, 28" top circumference, 43" butt circum-
ference at ground line set 6' in clay soil.

Guys and Guy Attachments

One 5/16" Guy from pole (B) 37' above ground to pole (A) 8'
above ground.

One 5/16" Guy from pole (C) 37' above ground to pole (D) 8' above
ground.

All guy wire double galvanized stranded steel with a minimum
ultimate strength of 55,000 pounds per square inch.

Cross Arms

Proposed one 3 $\frac{1}{2}$ " x 4 $\frac{1}{2}$ " x 96" Douglas fir double cross arm per
crossing pole.

No existing cross arm.

Conductors

Proposed 3 #6 Medium hard drawn, solid, triple braid, weatherproof
copper wires.

DATA SHEET TO ACCOMPANY
RAILROAD CROSSING DRAWINGS

Guy Clamps

One 1 5/8" x 6" three bolt galvanized steel clamp at each end, for 3/8" and 5/16" guys.
Two 1/2" Crosby guy clamps at each end, for 1/2" guys.

Guy Insulators

Two O.B.#26500 - 3 1/2" porcelain interlocking strain type insulators on 3/8" and 5/16" guys for 24,000 volt circuits and one per guy for lower voltages.
Two O.B.#25009 - 4" porcelain interlocking strain type insulators on 1/2" guys for 24,000 volt circuits and one per guy for lower voltages.

Guy Anchors

Four Blade "Everstick" on 1/2" guys buried 7' deep.
8" cone on 3/8" and 5/16" guys buried 6' deep.

Anchor Rods

3/4" x 8' round galvanized steel rods on "Everstick" anchors.
5/8" x 6' round galvanized steel rods on 8" Cone anchors.

Cross Arm Attachments

5/8" Galvanized steel center bolts.
5/8" Galvanized steel spacer bolts.
4" x 4" treated pine space blocks.
5/16" x 1 1/2" x 28" flat galvanized steel braces.
3/8" galvanized steel bolts at arm end of braces.
1/2" galvanized steel lag screws at pole end of braces.

Pins

1 3/4" x 14" x 1 3/8" locust pins for 24,000 volt circuits.
1 3/4" x 10 1/8" x 1" locust pins for all other circuits.

Insulators

One O.B.#11623 pin type and four Locke #8049 disc type insulators per wire, per crossing pole on 24,000 volt circuits. (One O.B.#11623 and two Locke #8049 for dead ends).
Two O.B.#12847 porcelain pin type insulators per wire, per crossing pole for 4,800 volt, 2,400 volt, series lighting, and private telephone circuits.
Two #20 Hemingray glass insulators per wire, per crossing pole for 120/240 volt secondary circuits.
One O.B.#12847 pin type and two Colonial #11940 disc type insulators per wire for #0000 primary circuits and one #20 Hemingray glass pin type and two #25009 strain type insulators per wire for #0000 secondary circuits, per crossing pole.

Ties

Standard top groove tie on 24,000 volt, 4,800 volt, 2,400 volt, series lighting and private telephone circuits.
Standard side groove tie on 120/240 volt secondary circuits.
#0 soft, solid, bare, copper tie wire for 24,000 volt circuits.
#6 soft, solid, weatherproof, copper tie wire on all other circuits.

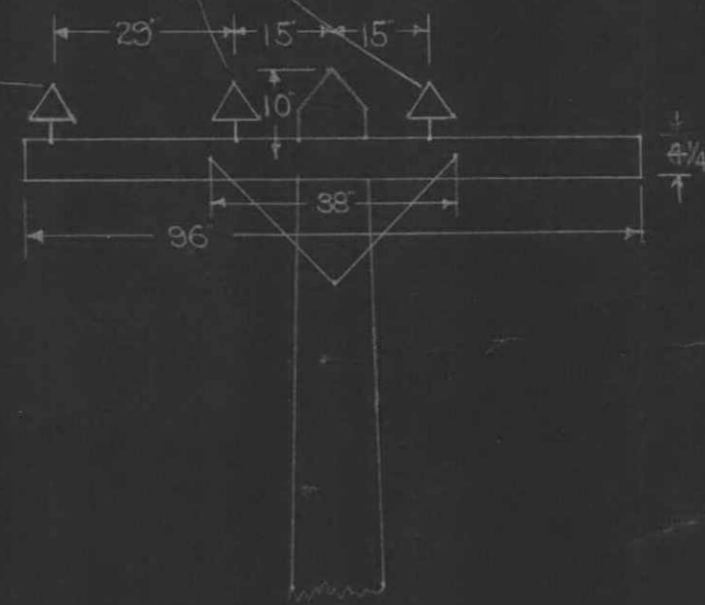
Checked by... *D. Burns*

N

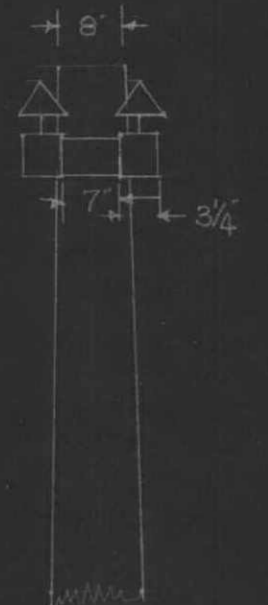


PROPOSED 1" 6
4800 VOLT WIRE
(FUTURE)

PROPOSED 2" 6
4800 VOLT WIRES
(IMMEDIATE)

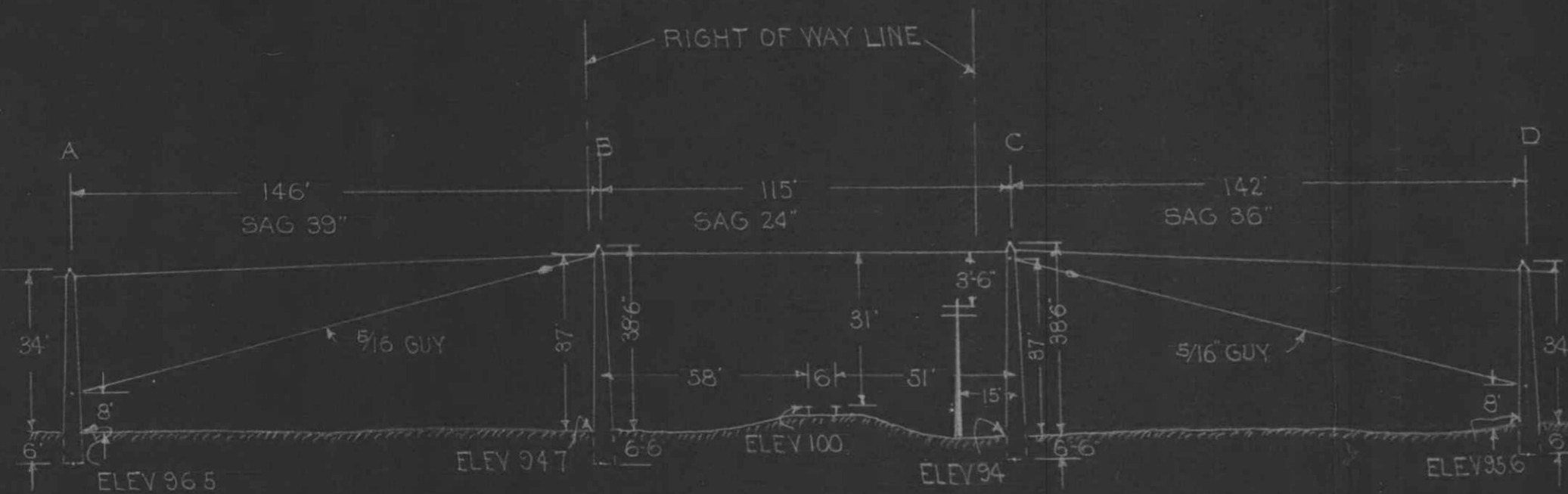


POLES (B) & (C) LOOKING EAST



LOOKING NORTH

PLAN OF CROSSING



ELEVATION OF CROSSING LOOKING NORTH

TYPICAL POLE TOP CONSTRUCTION

PURPOSE OF LINE
EXTENSION OF PRIMARY LINES

APPROVED
FOR
MICHIGAN PUBLIC UTILITIES
COMMISSION
W. H. ...
FILE 3403 DATE DEC 31 1926

CITY X
COUNTY MACOMB
TOWNSHIP LENOX
SURVEY NO. OF TWP. 4 NORTH
RANGE NO. 14 EAST
SECTION NO. SW 4 SEC 11

THE DETROIT EDISON CO.
PLAN SUBMITTED TO MICH.
PUBLIC UTILITIES COMMISSION
FOR 4800 VOLT CROSSING
OVER GTR TRACKS
DRAWN BY EEH DATE 12-27-26
CHECKED BY DB DATE 12-27-26

RECORDED RIGHT OF WAY NO. 34636
P85

RECEIVED
MICHIGAN PUBLIC UTILITIES
COMMISSION
DEC 11 1926
ANS'D

PX-499

U-3403