

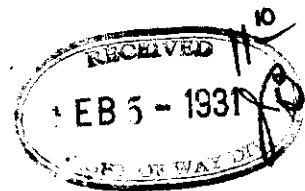
PORT HURON AND DETROIT RAILROAD COMPANY

GENERAL OFFICES
2100 THIRTY-SECOND STREET

A. C. MCDANNEL
VICE-PRESIDENT AND
GENERAL MANAGER

PORT HURON, MICHIGAN

February 4th, 1931.



Michigan Public Utilities Commission,
Lansing, Michigan.

The Detroit Edison Co.,
2000 Second Avenue,
Detroit, Michigan.

Gentlemen:

This company unives hearing in the application of the Detroit Edison Company to reconstruct the crossing over our tracks in a private road to brick yards, approximately 2000' South of the line between St. Clair and East China Townships, in P.C. 304 of East China Township, St. Clair County, Michigan. They are changing 34,000 volt circuit from triangular to flat construction.

All construction to be done in strict accordance with the rules and regulations of the Michigan Public Utilities Commission.

Yours very truly,

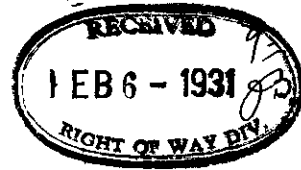
A. C. McDannel
Vice-President &
General Manager.

ACE/KB

RECORDED RIGHT OF WAY NO.

30191 9

47612
P4292A



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

I, J. Carl Sheil, Secretary of the Michigan Public Utilities Commission

Do Hereby Certify, That I have compared the annexed copy of Permit No. U-7612

wih the original permit

recorded in

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 5th

day of February in the year of our Lord

one thousand nine hundred thirty-one

J. Carl Sheil
Secretary, Michigan Public Utilities Commission

3375

3375

RECORDED RIGHT OF WAY NO. 3019189

STATE OF MICHIGAN
BEFORE MICHIGAN PUBLIC UTILITIES COMMISSION

Standard Railroad Wire-Crossing Permit No. ~~D-7612~~

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

Pursuant to Act No. 171 of the Session Laws of 1893, 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 **Port Huron & Detroit Railroad Co.**

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 ~~road~~ 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 East China Township, St. Clair County, Michigan:-</p>	}	<p>In a private road, approximately 2000 ft. South of line between St. Clair & East China Townships, with: 3 - #1/0 copper wires, 24000 volts, 3-ph.; 2 - #8 " " telephone wires. (Reconstruction)</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 **5th** day of **February** A. D. 19**31**.

MICHIGAN PUBLIC UTILITIES COMMISSION
By

RUSSELL A. GORMAN
Chairman,

SAMUEL ODELL
Commissioner,

ALVA M. GUMMINS
Commissioner,

JAMES BICE
Commissioner

ROBERT H. DUNN
Commissioner.

Countersigned

..... **J. Carl Shell**
Secretary

MEW

RECORDED INDEXED OF WAY NO. 3619199

Name of Company

The Detroit Edison Company.

U-7612

Name and Location of Crossing

Over the Port Huron & Detroit R.R. in a private Road to the brick yards approximately 2000' south of the line between St. Clair Twp. and East China Twp. P.C. 304, Town 4 north, Range 16 East, East China Twp., St. Clair County, Michigan.

Circuits

Existing one 24000 volt 60 cycle 3 wire 3 phase transmission circuit.
Existing one 70 volt (ringing voltage) 13 cycle 2 wire telephone circuit.

Poles

Poles (B) (C) & (F) 45' Idaho cedar 28" top circumference 45" butt circumference at ground line set 6'-6" in clay soil.
Pole (A) 45' Idaho cedar 28" top circumference 54" butt circumference at ground line set 6'-6" in clay soil.
Pole (D) 45' Idaho Cedar 28" top circumference 50" butt circumference at ground line set 6'-6" in clay soil.
Pole (E) 40' Idaho cedar 28" top circumference 41" butt circumference at ground line set 6' in clay soil.

Guys and Guy Attachments

One $\frac{1}{2}$ " Guy from Pole (D) 34' above ground to anchor (N) (E) 50' from butt of Pole (D).
One $\frac{1}{2}$ " Guy from Pole (B) 35' above ground to anchor (K) 50' from butt of Pole B.
One $\frac{5}{16}$ " Guy from Pole (D) 37' above ground to stub (M) 12' above ground.
One $\frac{3}{8}$ " Guy from stub (M) 12' above ground to anchor (G) 12' from butt of stub (K).
All guy wire double galvanized stranded steel with a minimum ultimate strength of 55000 lbs per square inch.

Cross Arms

Existing two $3\frac{3}{4} \times 4\frac{3}{4} \times 96$ " douglas fir double cross arms per crossing pole.
Existing two $3\frac{3}{4} \times 4\frac{3}{4} \times 96$ " douglas fir double buck arms on Pole (3).

Conductors

Existing 3#0 Medium hard drawn stranded bare copper wires.
Existing 2#8 Medium hard drawn solid bare copper telephone wires.

Guys

On 5/16" & 3/8" guys-One 1-5/8"x6" three bolt galvanized steel clamp at each end.

On 1/2" Guy-One 1/2" galvanized Crosby clip at each end.

Guy Insulators

For distribution circuits-One O.B. #26500 (or equivalent) in 5/16" and 3/8" guys. One O.B. #25009 (or equivalent) in 1/2" steel and 5/16" copperweld Guys.

For 24,000 volt transmission circuits-Use two insulators per guy instead of one as above.

Guy Anchors

On 5/16" & 3/8" Steel guys-One 8" cone anchor set 5-1/2" deep.

On 1/2" steel and 5/16" copperweld Guys-one four blade 8" expanding anchor set 7 1/2" deep.

On two 1/2" steel or 5/16" Copperweld at one location-concrete anchor (8cu. ft. concrete) set 3' deep.

Anchor Rods

On 5/16" and 3/8" steel guys- 1-5/8"x6' round galvanized steel rod.

On 1/2" steel & 5/16" Copperweld guys 1 1/4"x8' round galvanized steel rod.

Crossarm Attachments

Center bolts-5/8" galvanized steel.

Spacer bolts-5/8" galvanized steel.

Spacers -4"x4" treated pine blocks.

Braces -(for 24,000 volt circuits) 1"x2-1/2"x30" treated-yellow pine.

Braces -1"x1-1/4"x28" galvanized steel for all other circuits.

Brace bolts -3/8" galvanized steel bolts at arm end.

Brace bolts -1/2"x5" galvanized steel lag screws at pole end.

Pins

On 3-1/4"x4-1/4" arms-1-1/2"x9"x1" Locust pins.

On 3-3/4"x4-3/4" arms-1-1/4"x10"x1" Locust pins except for 24,000 volt circuits.

On 24,000 volt crossarm-1 1/4"x13 1/4"x1-3/8" Locust pins.

On 24,000 volt pole top-3 1/4"x3 1/4"x17" Locust pins.

Insulators

24,000 volt circuits-One O.B. #11623 (or equivalent) porcelain, pin type, insulator and six Thomas #1162 (or equivalent) disk type insulators.

Ground wire on pole side bracket-One O.B. #12847 (or equivalent) porcelain, pin type insulator and two Thomas #1162 (or equivalent) porcelain, disk type insulators.

Ground wire on pole top pin-One O.B. #10636 (or equivalent) porcelain, pin type insulator and two Thomas #1162 (or equivalent) porcelain, disk type insulators.

Primary distribution, Series Street Lighting and Private telephone circuits, two O.B. #12847, (or equivalent) porcelain, pin type insulators.

Secondary distribution circuits-Two Hemingray #20 (or equivalent) glass pin type insulators.

Note:

For strain type construction (where shown)-On primary and series circuits two O.B. #11940 (or equivalent) porcelain, strain type insulators and one O.B. #12847 (or equivalent) porcelain pin type insulator.

On secondary circuits two O.B. #25009 (or equivalent) porcelain strain type insulators and one Hemingray #20 (or equivalent) glass pin type insulator.

Ties

Standard top groove tie-On 24,000 volt, 4800 volt, series street lighting and private telephone circuits.

Stand, side groove tie-On all circuits below 240 volts.

Tie wire-#8 soft, bare copper, for 24,000 volt conductors.

#4 or #6 soft, solid, weatherproof copper, for all circs. using weatherproof conductors.

#6 bare aluminum tie wire for #2 A.C.S.R. conductors.

ST CLAIR TWP
EAST CHINA TWP



PLAN OF CROSSING



EXISTING 3" O
24000 VOLT WIRES

EXISTING 2" 8
D.E.CO TELEPHONE
WIRES

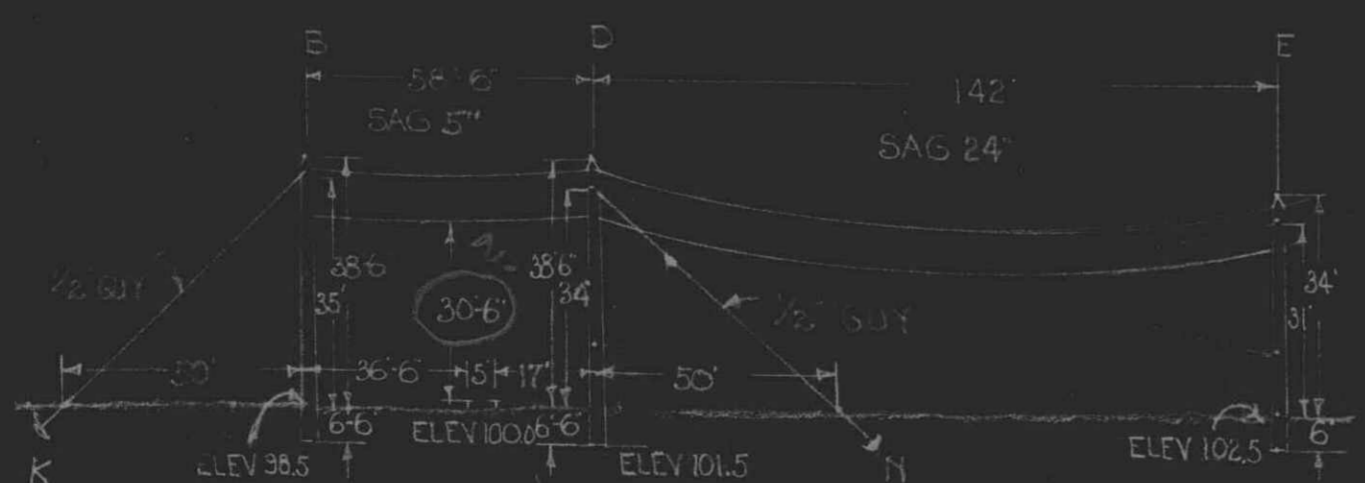
EXISTING 3" O
24000 VOLT WIRES

EXISTING 4" 3
D.E.CO TELEPHONE
WIRES

EXISTING 3" O
24000 VOLT WIRES

EXISTING 3" O
24000 VOLT WIRES

EXISTING 2" 8
D.E.CO TELEPHONE
WIRES



ELEVATION OF CROSSING LOOKING NORTH

PURPOSE OF LINE

CHANGING 24 KV CIRCUIT
FROM TRIANGULAR TO FLAT
CONSTRUCTION.

CITY ST CLAIR
COUNTY ST CLAIR
TOWNSHIP EAST CHINA
SURVEY NO. OF TWP. 4
RANGE NO. 16 EAST
SECTION NO. PC 304

APPROVED
FOR
MICHIGAN PUBLIC UTILITIES
COMMISSION
J. H. ...
CHIEF ENGINEER
U-7612
DATE FEB-3 1934

THE DETROIT EDISON CO.
PLAN SUBMITTED TO MICH.
PUBLIC UTILITIES COMMISSION
FOR 24000 VOLT CROSSING
OVER PH&D RR
DRAWN BY EEH DATE 1-19-31
CHECKED BY FB DATE 1-27-31

N BOWMAN

RECORDED RIGHT OF WAY NO. 30191 p 9

RECORDED
INDEXED
FEB 3 1931
U.S.N.A.

JAN 29 1931