

UNAPPROVED
REVISION

CALC. BY: A.L.C. DATE: 7/80	LAK-20-2.18 EUCLID AVE., RUSH RD. AND E. 305th STREET	OHIO FHWA REGION 5 FEDERAL PROJECT
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CALCULATIONS

ITEM 625 - 18" CONCRETE PULL BOX, MODIFIED AS PER PLAN

RUSH ROAD	1 EACH
E. 305 TH STREET	1 EACH
EUCLID AVE. - WEST OF RUSH ROAD	1 EACH
EUCLID AVE. - EAST OF RUSH ROAD	1 EACH
NORTHWEST TURNOUT	1 EACH
SOUTHEAST TURNOUT	1 EACH
TOTAL	6 EACH

ITEM 625 - TRENCH IN PAVED AREAS, TYPE B, AS PER PLAN

RUSH ROAD (60+10+10)	55 L.F.
E. 305 TH. STREET (35+34)	69 L.F.
EUCLID AVE. EAST OF RUSH ROAD (44+34)	78 L.F.
EUCLID AVE. WEST OF RUSH ROAD (50+50)	100 L.F.
SOUTHWEST TURNOUT	10 L.F.
TOTAL	337 L.F.

LOOP DETECTOR PAVEMENT CUTTING

EUCLID AVE. [(6+15)2]2 + 3+22	TOTAL	109 L.F.
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ITEM 625 - GROUND ROD

SIGNAL STRAIN POLES	4 EACH
CONTROLER	1 EACH
TOTAL	5 EACH

ITEM 625 - TRENCH

RUSH ROAD	17 L.F.
E. 305 TH. STREET	60 L.F.
NORTHWEST TURNOUT	18 L.F.
TOTAL	133 L.F.

LOOP DETECTOR WIRE

EUCLID AVE. [(6+15)2]3 + (5*2)+10	146 L.F.
[(6+15)2]3 + (24*2)+10	184 L.F.
TOTAL	330 L.F.

ITEM 625 - 1 1/2" CONDUIT, 713.04

RUSH ROAD	115 L.F.
E. 305 TH. STREET	198 L.F.
EUCLID AVE. - EAST OF RUSH ROAD	225 L.F.
EUCLID AVE. - WEST OF RUSH ROAD	243 L.F.
NORTHWEST TURNOUT	10 L.F.
SOUTHWEST TURNOUT	7 L.F.
SOUTHEAST TURNOUT	25 L.F.
TOTAL	823 L.F.

ITEM 843 - CONTROLLER, FULL ACTUATED, 6-PHASE, SOLID STATE DIGITAL, PHASE MODULAR MICROPROCESSOR, WITH CABINET, AS PER PLAN

SOUTHWEST TURNOUT	TOTAL	1 EACH
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LOOP DETECTOR LEAD IN CABLE

RUSH ROAD 115+10+(7+10)3	176 L.F.
E. 305 TH. STREET 198+10+(10+10+27)3 + [(11+56+16)3]1.05 + (27+10+7)3	743 L.F.
EUCLID AVE. - WEST OF RUSH ROAD 243+10+7+10	270 L.F.
EUCLID AVE. - EAST OF RUSH ROAD 225+10+(25+10+27)2 + [(15+54+16)2]1.05 + (27+7+10)2	626 L.F.
TOTAL	1815 L.F.

ITEM 625 - 4" CONDUIT, 713.04

SOUTHWEST TURNOUT	TOTAL	1 L.F.
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ITEM 843 - CONCRETE FOR CABINET FOUNDATION

FROM STANDARD DRAWING TC-83.20 TYPE 2 FOUNDATION	TOTAL	1.85 CU. YD.
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LOOP DETECTOR AMPLIFIER

RUSH ROAD (L5 & L10)	2 EACH
E. 305 TH. STREET (L1 & L2)	2 EACH
EUCLID AVE. (L6, L7, L8 & L9)	4 EACH
TOTAL	8 EACH

PEDESTRIAN PUSHBUTTON

SEE STRAIN POLE TYPE TC 81.10 DESIGN NO. 4	TOTAL	4 EACH
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ITEM 625 - TRENCH IN PAVED AREAS, TYPE A, AS PER PLAN

RUSH ROAD	15 L.F.
EUCLID AVE. - EAST OF RUSH ROAD (95+60)	155 L.F.
EUCLID AVE. - WEST OF RUSH ROAD (95+40)	135 L.F.
NORTHWEST TURNOUT (10+10)	20 L.F.
SOUTHEAST TURNOUT	15 L.F.
TOTAL	340 L.F.

LOOP DETECTOR AMPLIFIER WITH DELAY CALL FEATURE

RUSH ROAD (L4)	1 EACH
E. 305 TH. STREET (L3)	1 EACH
TOTAL	2 EACH

STRAIN POLE, TYPE TC 81.10, DESIGN N° 4

EUCLID AVE. STA. 121+14 & STA. 121+89	2 EACH
E. 305 TH. STREET STA. 10+39.5 & STA. 10+41	2 EACH
TOTAL	4 EACH

EUCLID, RUSH & 305 TH STREET