| STATE | PROJECT | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| ALASKA | HES-0966 (10) | 1 | 6 |

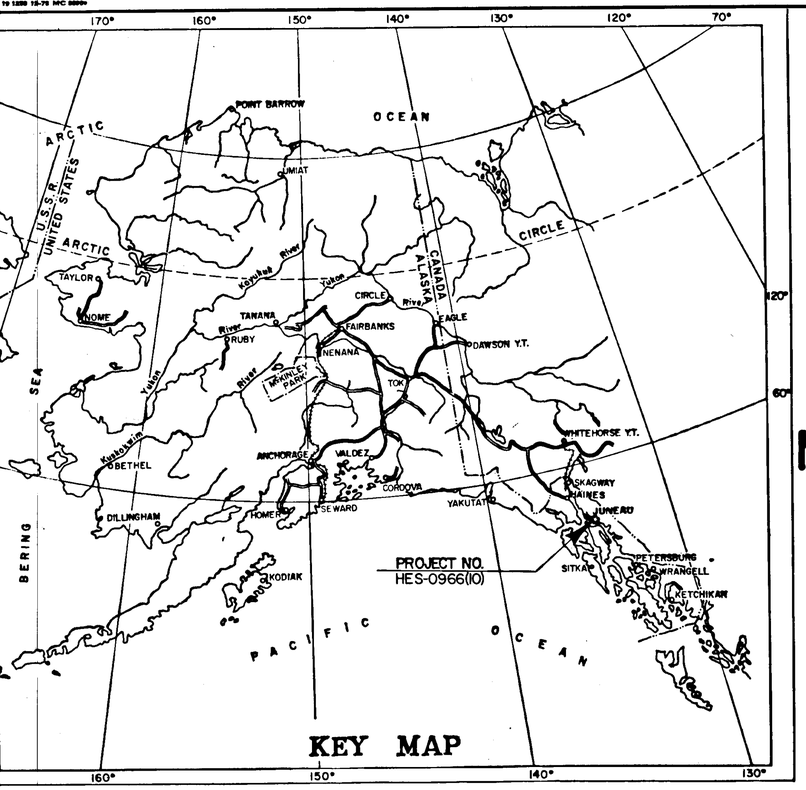
# STATE OF ALASKA
# DEPARTMENT OF TRANSPORTATION
# &
# PUBLIC FACILITIES

# PLAN AND PROFILE
# PROPOSED HIGHWAY PROJECT
# MENDENHALL LOOP ROAD & GLACIER SPUR
## HES-0966 (10)
## BREAK-AWAY BASES
AS BUILT PLANS

INDEX OF SHEETS

| SHEET NO. | DESCRIPTION |
|---|---|
| 1 | TITLE SHEET |
| 2 | ESTIMATE OF QUANTITIES |
| 2-6 | PLANS & DETAIL |

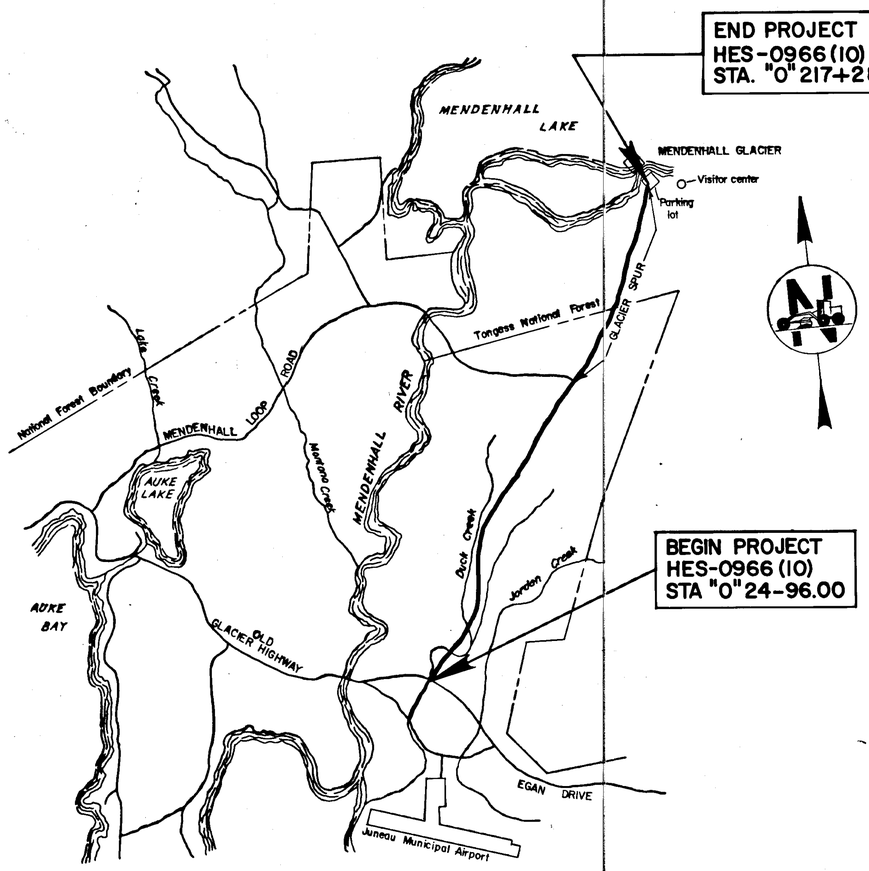
THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT: A-1, C-00.04, C-10.03, C-11.03, L-10.13, L-30.01




KEY MAP

HES-0966(10)
PROJECT SUMMARY

LENGTH OF PROJECT = ~~11,616.00~~ = ~~2.2 Mi.~~
12,930.00 = 2.449 Mi.

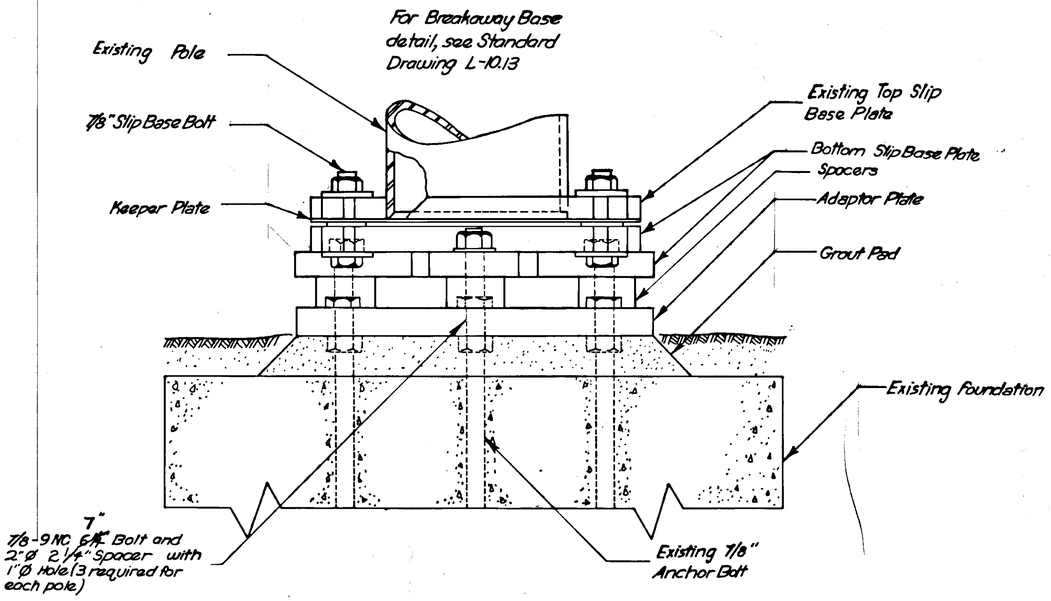



Contractor: Cochran Electric Co., Inc.
Project Engineer: Bill Boyd
Beginning Date: 5-12-79
Completion Date: 3-27-80

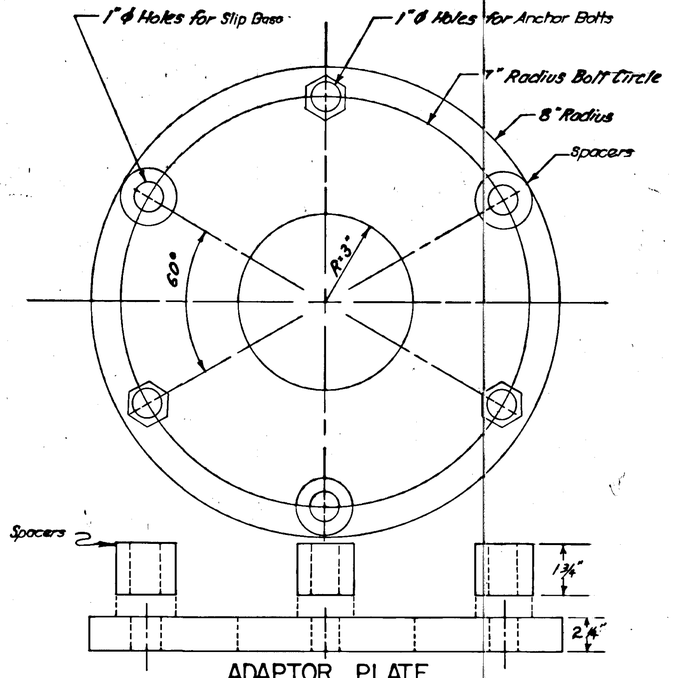
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
APPROVED
Walter K Wilson DATE 9/7/79
SOUTHEASTERN REGION
DESIGN / CONSTRUCTION ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
APPROVED
Charles E Foster Date 10-24-79
DIRECTOR-HIGHWAY DESIGN & CONSTRUCTION

| STATE | PROJECT DESIGNATION | YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| ALASKA | HES-0966 (10) | 1979 | 2 | 6 |




INSTALLATION DETAIL




ADAPTOR PLATE

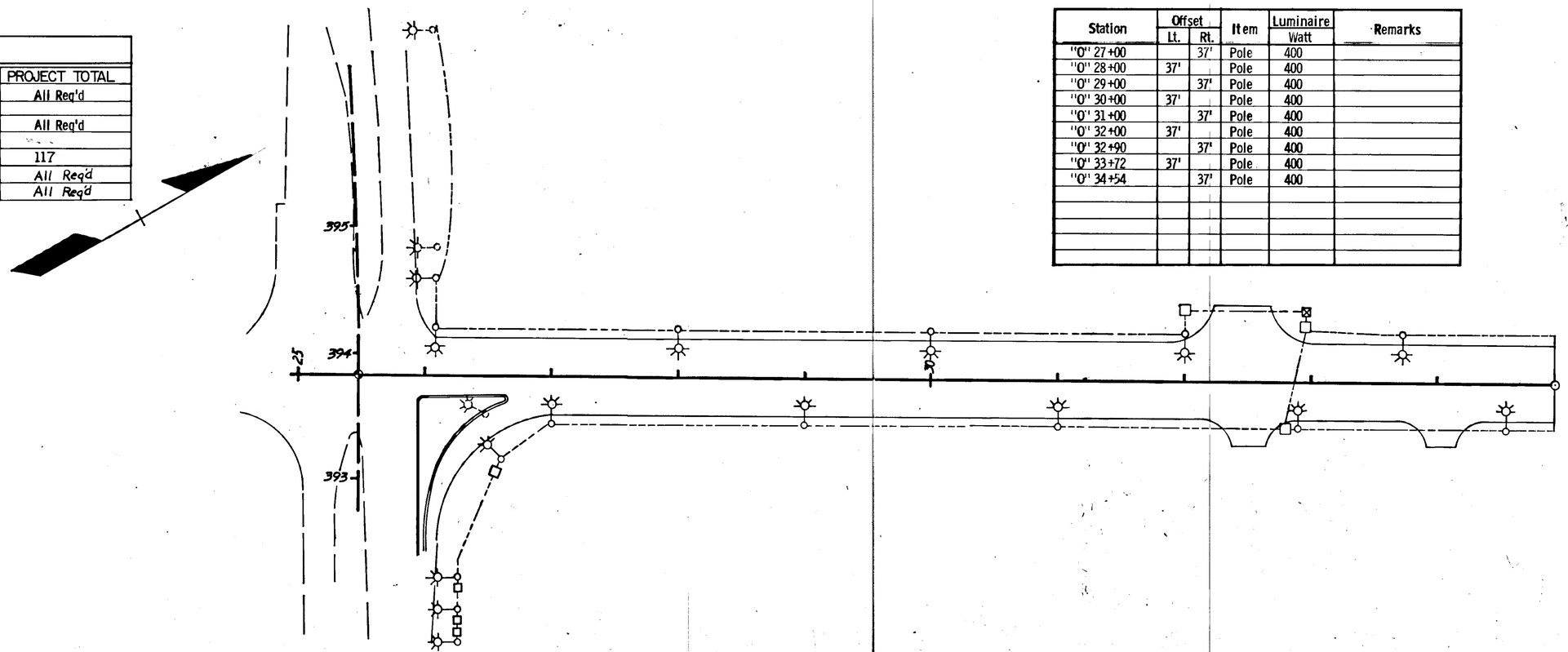
For correcting reversed position of anchor bolts on lighting standards, 115 required.

GENERAL NOTES:

1. Adaptor Plate and spacers to be Hot Dip Galvanized after fabrication in accordance with ASTM 123.
2. Torque the 7/8" Slip Base Bolts 1800 in lbs.
3. Adaptor Plate shall conform to ASTM A36.
4. The contractor shall furnish (3) 7/8"-9NC x 7" long bolts with nuts, and (3) 2"Ø X 2 1/4 spacers to fasten the adaptor plate to the bottom slip base plate (each pole).
5. Bolts, nuts and washers shall conform to ASTM A325. They shall be galvanized in accordance with ASTM A153.
6. The existing wire splice in each pole base shall be removed and a new fused quick disconnect added. The new disconnects shall be the Y-Type, waterproof, in-the-line fuseholders, with breakaway features and fused at (10) amps.
7. The disconnects shall be sized to the existing wire size.
8. If the existing ground wire is broken a new wire shall be installed at the contractors expense.
9. All existing grout shall be removed from the foundation and pole surface prior to installing the new adaptor plate and slip bases. After installation the base shall be re-grouted.
10. Breakaway bases to be installed at pole stationing shown on plans.
11. Wrench tighten the 7/8" adapter plate bolts to the bottom slip base plate. There is no torque requirement.
12. Existing anchor bolts may have to be shortened to allow installation of the slip base assembly.

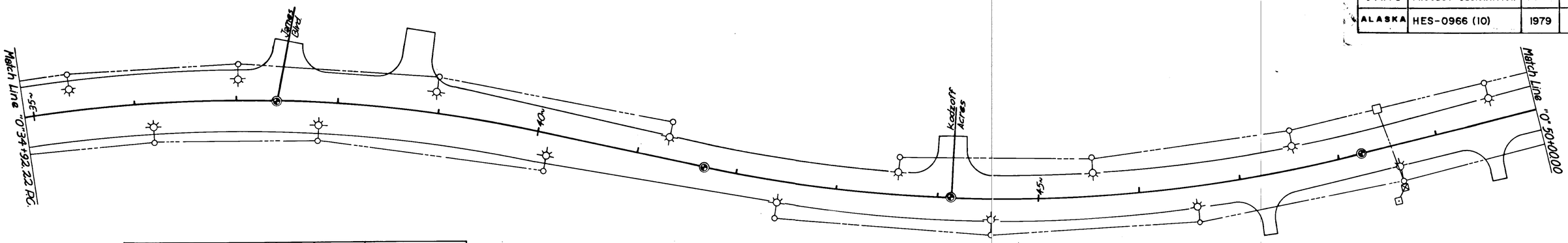
ESTIMATE OF QUANTITIES

| ITEM NO. | ITEM | UNIT | PROJECT TOTAL |
|---|---|---|---|
| 110(1) | Mobilization | L.S. | All Req'd |
| | | | |
| 115(1) | Mainten ance of Traffic | L.S. | All Req'd |
| | | | |
| 660 (12) | Lighting Standards Shear Base | Each | 117 |
| 660(12A) | REROUTE 2" CONDUIT (E.W.O.#1) | L.S. | All Req'd |
| 660 (12B) | REPAIR ANCHOR BOLTS (E.W.O.#2) | L.S. | All Req'd |

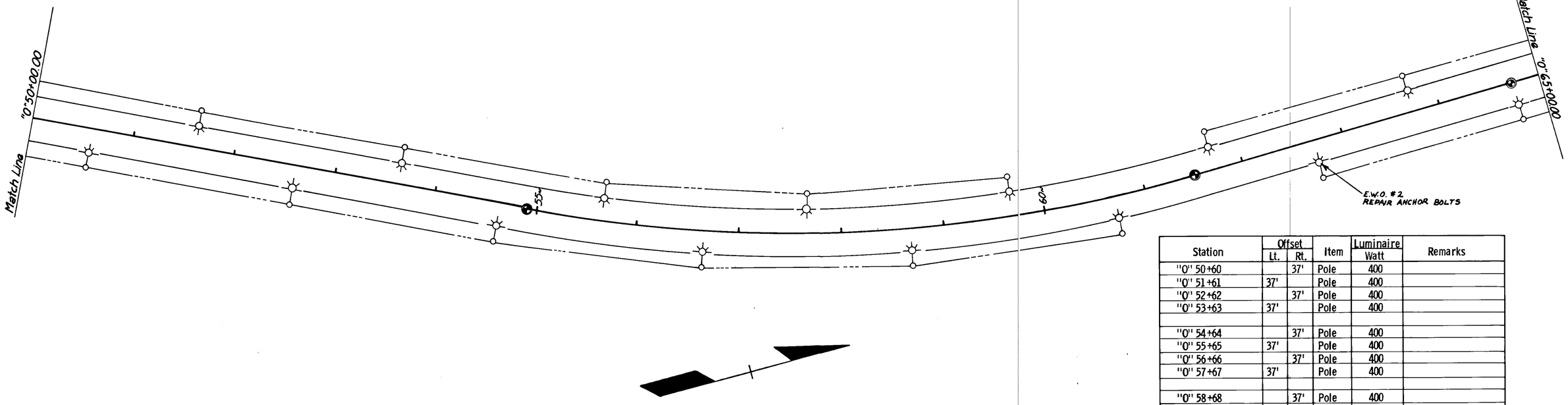



| Station | Offset Lt. | Offset Rt. | Item | Luminaire Watt | Remarks |
|---|---|---|---|---|---|
| "O" 27+00 | | 37' | Pole | 400 | |
| "O" 28+00 | 37' | | Pole | 400 | |
| "O" 29+00 | | 37' | Pole | 400 | |
| "O" 30+00 | 37' | | Pole | 400 | |
| "O" 31+00 | | 37' | Pole | 400 | |
| "O" 32+00 | 37' | | Pole | 400 | |
| "O" 32+90 | | 37' | Pole | 400 | |
| "O" 33+72 | 37' | | Pole | 400 | |
| "O" 34+54 | | 37' | Pole | 400 | |

| STATE | PROJECT DESIGNATION | YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| ALASKA | HES-0966 (10) | 1979 | 3 | 6 |




| Station | Offset Lt. | Offset Rt. | Item | Luminaire Watt | Remarks |
|---|---|---|---|---|---|
| "0" 35+36 | 37' | | Pole | 400 | |
| "0" 36+18 | | 37' | Pole | 400 | |
| "0" 37+01 | 37' | | Pole | 400 | |
| "0" 37+81 | | 37' | Pole | 400 | |
| | | | | | |
| "0" 38+96 | 37' | | Pole | 400 | |
| "0" 40+12 | | 37' | Pole | 400 | |
| "0" 41+28 | 37' | | Pole | 400 | |
| "0" 42+44 | | 37' | Pole | 400 | |
| | | | | | |
| "0" 43+60 | 37' | | Pole | 400 | |
| "0" 44+54 | | 37' | Pole | 400 | |
| "0" 45+55 | 37' | | Pole | 400 | |
| "0" 46+56 | | 37' | Pole | 400 | |
| | | | | | |
| "0" 47+57 | 37' | | Pole | 400 | |
| "0" 48+58 | | 37' | Pole | 400 | |
| "0" 49+59 | 37' | | Pole | 400 | |
| | | | | | |




| Station | Offset Lt. | Offset Rt. | Item | Luminaire Watt | Remarks |
|---|---|---|---|---|---|
| "0" 50+60 | | 37' | Pole | 400 | |
| "0" 51+61 | 37' | | Pole | 400 | |
| "0" 52+62 | | 37' | Pole | 400 | |
| "0" 53+63 | 37' | | Pole | 400 | |
| | | | | | |
| "0" 54+64 | | 37' | Pole | 400 | |
| "0" 55+65 | 37' | | Pole | 400 | |
| "0" 56+66 | | 37' | Pole | 400 | |
| "0" 57+67 | 37' | | Pole | 400 | |
| | | | | | |
| "0" 58+68 | | 37' | Pole | 400 | |
| "0" 59+69 | 37' | | Pole | 400 | |
| "0" 60+70 | | 37' | Pole | 400 | |
| "0" 61+71 | 37' | | Pole | 400 | |
| | | | | | |
| "0" 62+72 | | 37' | Pole | 400 | E.W.O. #2 REPAIR ANCHOR BOLTS |
| "0" 63+73 | 37' | | Pole | 400 | |
| "0" 64+74 | | 37' | Pole | 400 | |
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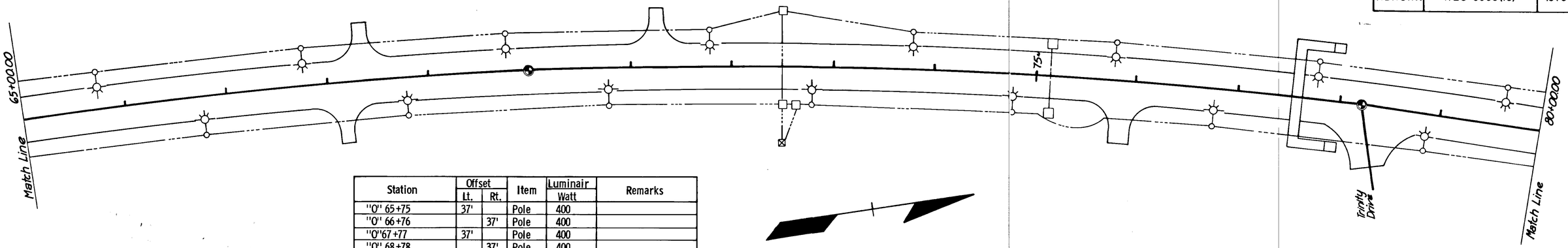
| STATE | PROJECT DESIGNATION | YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| ALASKA | HES-0966(10) | 1979 | 4 | 6 |




| Station | Offset Lt. | Offset Rt. | Item | Luminair Watt | Remarks |
|---|---|---|---|---|---|
| "O" 65+75 | 37' | | Pole | 400 | |
| "O" 66+76 | | 37' | Pole | 400 | |
| "O"67+77 | 37' | | Pole | 400 | |
| "O" 68+78 | | 37' | Pole | 400 | |
| "O" 69+78 | 37' | | Pole | 400 | |
| "O" 70+78 | | 37' | Pole | 400 | |
| "O" 71+78 | 37' | | Pole | 400 | |
| "O" 72+78 | | 37' | Pole | 400 | |
| "O" 73+78 | 37' | | Pole | 400 | |
| "O" 74+78 | | 37' | Pole | 400 | |
| "O" 75+78 | 37' | | Pole | 400 | |
| "O" 76+78 | | 37' | Pole | 400 | |
| "O" 77+78 | 37' | | Pole | 400 | |
| "O" 78+88 | | 37' | Pole | 400 | |
| "O" 79+63 | 37' | | Pole | 400 | |
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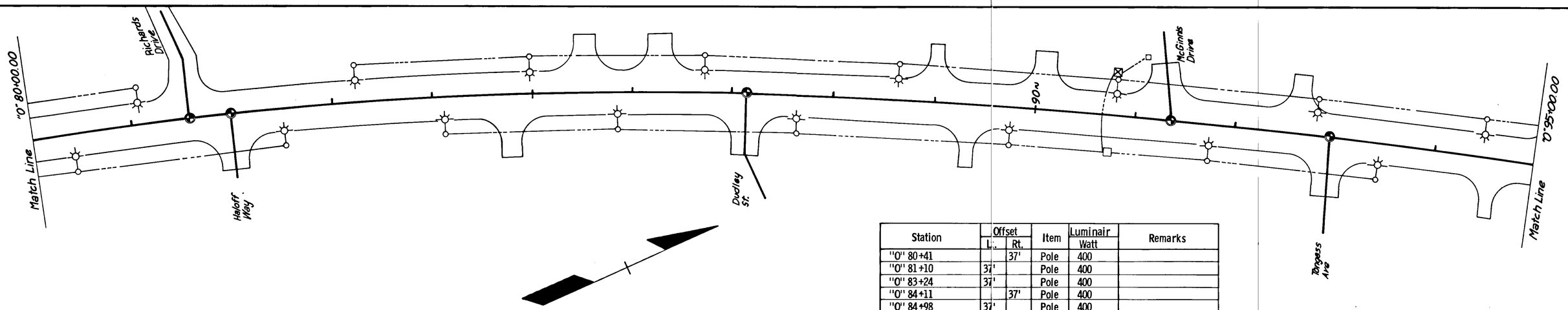


| Station | Offset Lt. | Offset Rt. | Item | Luminair Watt | Remarks |
|---|---|---|---|---|---|
| "O" 80+41 | | 37' | Pole | 400 | |
| "O" 81+10 | 37' | | Pole | 400 | |
| "O" 83+24 | 37' | | Pole | 400 | |
| "O" 84+11 | | 37' | Pole | 400 | |
| "O" 84+98 | 37' | | Pole | 400 | |
| "O" 85+85 | | 37' | Pole | 400 | |
| "O" 86+73 | 37' | | Pole | 400 | |
| "O" 87+65 | | 37' | Pole | 400 | |
| "O" 88+64 | 37' | | Pole | 400 | |
| "O" 89+75 | | 37' | Pole | 400 | |
| "O" 90+80 | 37' | | Pole | 400 | |
| "O" 91+75 | | 37' | Pole | 400 | |
| "O" 92+80 | 37' | | Pole | 400 | |
| "O" 93+45 | | 37' | Pole | 400 | Use existing shear base. |
| "O" 94+47 | 37' | | Pole | 400 | |
| "O" 82+51 | | 37' | Pole | 400 | |
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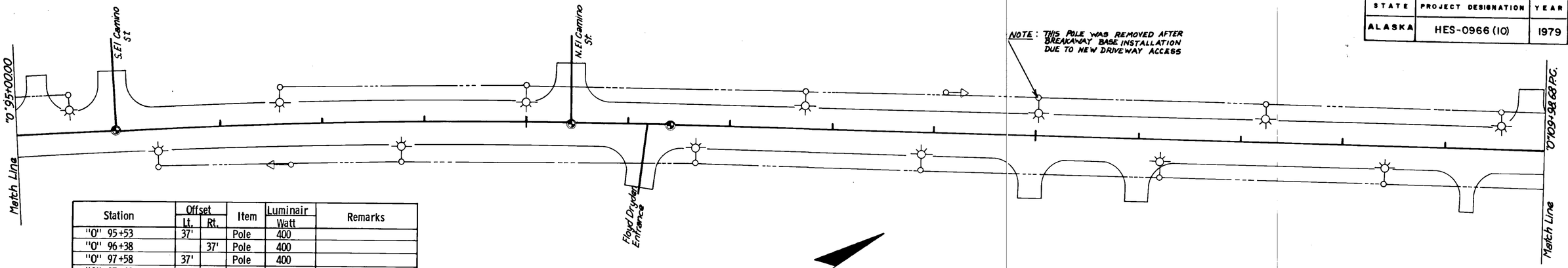
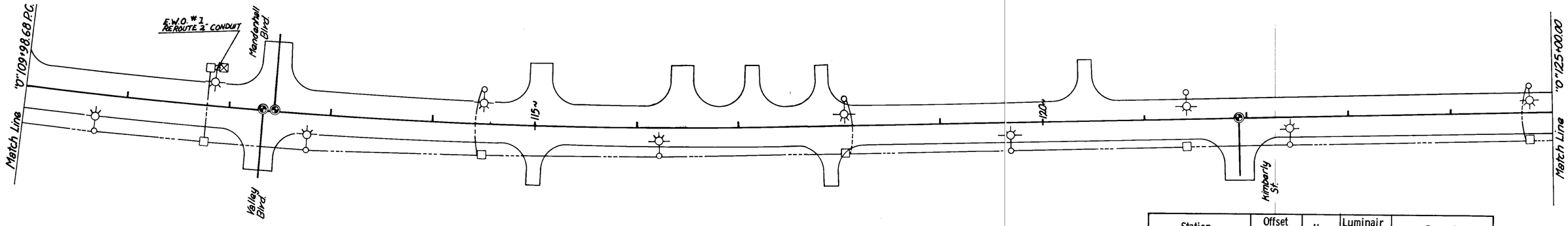
| STATE | PROJECT DESIGNATION | YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| ALASKA | HES-0966(10) | 1979 | 5 | 6 |

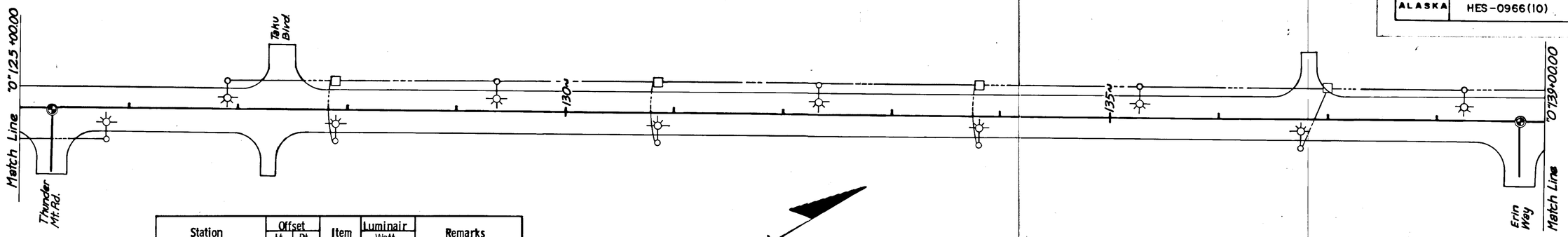



| Station | Offset Lt. | Offset Rt. | Item | Luminair Watt | Remarks |
|---|---|---|---|---|---|
| "0" 95+53 | 37' | | Pole | 400 | |
| "0" 96+38 | | 37' | Pole | 400 | |
| "0" 97+58 | 37' | | Pole | 400 | |
| ~~"0" 97+68~~ | | ~~37'~~ | ~~Flasher~~ | NOT PART | OF PLAN QUANTITY |
| "0" 98+78 | | 37' | Pole | 400 | |
| "0" 100+00 | 37' | | Pole | 400 | |
| "0" 101+67 | | 37' | Pole | 400 | |
| "0" 102+78 | 37' | | Pole | 400 | |
| "0" 103+88 | | 37' | Pole | 400 | |
| ~~"0" 104+10~~ | ~~23'~~ | | ~~Flasher~~ | NOT PART | OF PLAN QUANTITY |
| "0" 105+01 | 37' | | Pole | 400 | |
| "0" 106+22 | | 37' | Pole | 400 | |
| "0" 107+24 | 37' | | Pole | 400 | |
| "0" 108+42 | | 37' | Pole | 400 | |
| "0" 109+56 | 37' | | Pole | 400 | |




| Station | Offset Lt. | Offset Rt. | Item | Luminair Watt | Remarks |
|---|---|---|---|---|---|
| "0" 110+70 | | 37' | Pole | 400 | |
| "0" 111+84 | 37' | | Pole | 400 | E.W.O. #2 REROUTE 2" CONDUIT |
| "0" 112+78 | | 37' | Pole | 400 | |
| "0" 114+50 | 37' | | Pole | 400 | |
| "0" 116+23 | | 29' | Pole | 250 | |
| "0" 118+06 | 27' | | Pole | 250 | |
| "0" 119+69 | | 27' | Pole | 250 | |
| "0" 121+42 | 27' | | Pole | 400 | |
| "0" 122+42 | | 27' | Pole | 400 | |
| "0" 124+78 | 27' | | Pole | 400 | |

| STATE | PROJECT DESIGNATION | YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| ALASKA | HES-0966(10) | 1979 | 6 | 6 |




| Station | Offset Lt. | Offset Rt. | Item | Luminair Watt | Remarks |
|---|---|---|---|---|---|
| "0" 125+78 | | 27' | Pole | 400 | |
| "0" 126+89 | 27' | | Pole | 400 | |
| "0" 127+89 | | 27' | Pole | 400 | |
| "0" 129+37 | 27' | | Pole | 250 | Use existing shear base |
| | | | | | |
| "0" 130+85 | | 27' | Pole | 250 | |
| "0" 132+33 | 27' | | Pole | 250 | |
| "0" 133+81 | | 27' | Pole | 250 | |
| "0" 135+29 | 27' | | Pole | 250 | |
| "0" 136+77 | | 27' | Pole | 250 | |
| "0" 138+26 | 27' | | Pole | 400 | |
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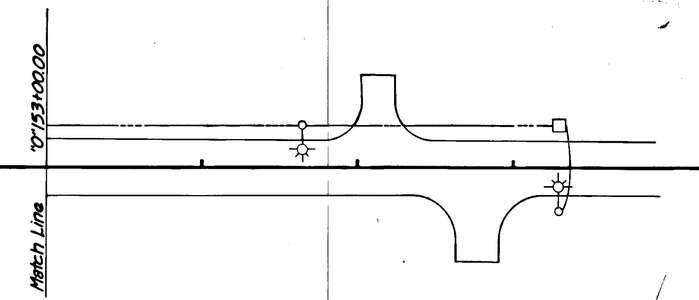


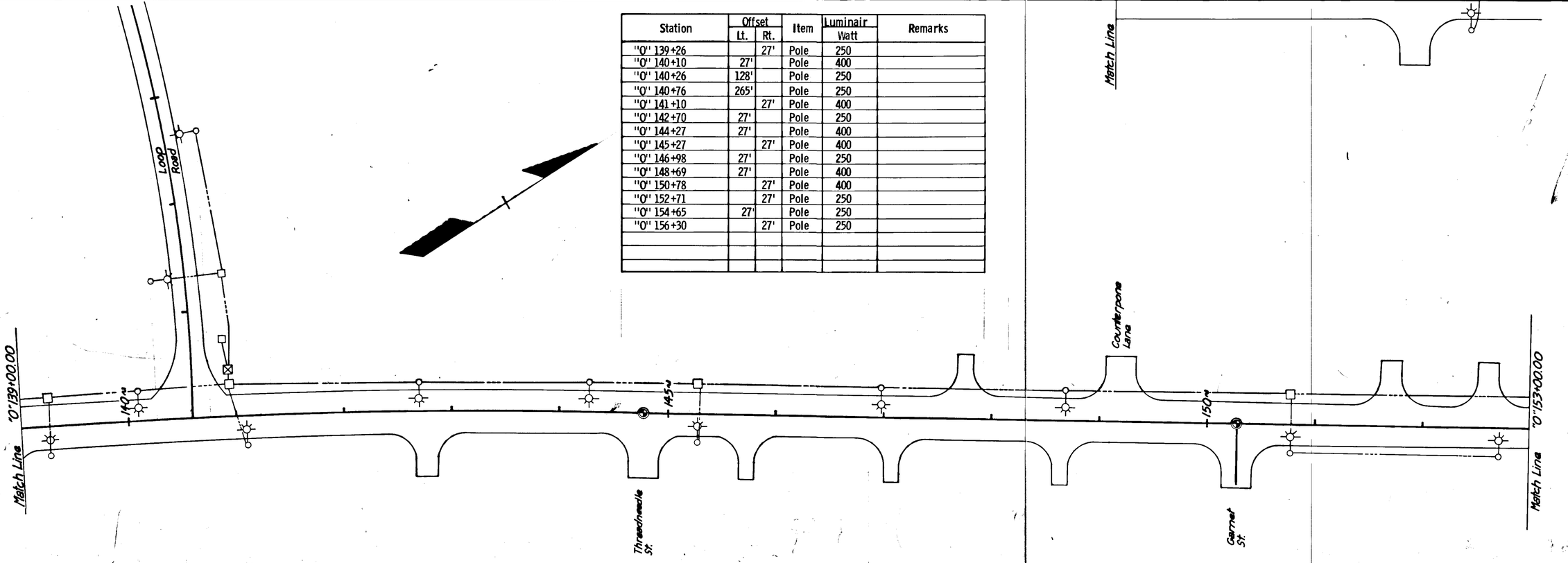


| Station | Offset Lt. | Offset Rt. | Item | Luminair Watt | Remarks |
|---|---|---|---|---|---|
| "0" 139+26 | | 27' | Pole | 250 | |
| "0" 140+10 | 27' | | Pole | 400 | |
| "0" 140+26 | 128' | | Pole | 250 | |
| "0" 140+76 | 265' | | Pole | 250 | |
| "0" 141+10 | | 27' | Pole | 400 | |
| "0" 142+70 | 27' | | Pole | 250 | |
| "0" 144+27 | 27' | | Pole | 400 | |
| "0" 145+27 | | 27' | Pole | 400 | |
| "0" 146+98 | 27' | | Pole | 250 | |
| "0" 148+69 | 27' | | Pole | 400 | |
| "0" 150+78 | | 27' | Pole | 400 | |
| "0" 152+71 | | 27' | Pole | 250 | |
| "0" 154+65 | 27' | | Pole | 250 | |
| "0" 156+30 | | 27' | Pole | 250 | |
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