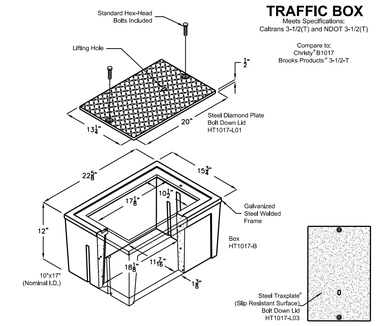
## LIGHTING CONSTRUCTION NOTES:

1. *Install relocated light pole and mast arm on new foundation and breakaway base. Route (2) #12 AWG conductors and (1) #12 AWG ground conductor from pull box to luminaire.*
2. *Install #4B pull box, per ADOT standard drawing T.S. 1-12.*
3. *Remove and relocate existing pole, mast arm, and luminaire, and demo 3' below grade.*
4. *Furnish and install (1) 2,900 lumen 15L type III luminaire (120-277V) mounted 12.5' on surface mount NEMA 3R junction box.*
5. *Tie proposed conduit into existing pull box.*
6. *Tie proposed conduit into existing conduit/conductors and reroute.*
7. *Existing light, protect in place*
8. *Conduit shall transition from PVC conduit to RMC conduit where exposed. Use conduit expansion coupling at transition.*
9. *Remove and dispose of existing pull box.*
10. *Install 10"x17"x24" traffic rated pull box with extension per detail LT01.* (4)
11. *Directional drill and install new conduit per conduit and conductor schedule.*
12. *Continuation to load center on pole.*
13. *Replace conductors in kind back to adjacent pull box and connect for complete system.*

**HT1017**
**TRAFFIC BOX**
Meets Specifications:
Caltrans 3-1/2(T) and NDOT 3-1/2(T)

Compare to:
Christy® B1017
Brooks Products™ 3-1/2-T




| PART NO. | PRODUCT | DESCRIPTION | APPROX. WEIGHT | QTY. PER PALLET |
|---|---|---|---|---|
| HT1017-B | BOX | 10"x17"x12" Concrete Traffic Rated Box (Comes Standard With Hex Bolts) | 125 | 20 |
| HT1017-E | EXTENSION | 10"x17"x12" Concrete Extension | 126 | 20 |
| HT1017-L01 | LID | Steel Diamond Plate Bolt Down Lid | 38 | |
| HT1017-L03 | LID | Steel Traxplate® Bolt Down Slip Resistant Cover | 38 | |
| GALVANIZING AVAILABLE ON ALL STEEL LIDS | | | | |

For penta head and other bolt options, see security hardware sheet.

Design load: Traffic rated when installed per Caltrans ES-8B

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LT01
TRAFFIC RATED PULL BOX DETAIL
N.T.S

## LIGHTING SYMBOLS LEGEND:

- Horizontal mount street light with luminaire
- Existing street light
- Underdeck luminaire
- ADOT No. 4B pull box
- ADOT No. 6B pull box
- Load center cabinet / meter pedestal
- Traffic rated pull box
- Conduit run
- IR — Irrigation utility
- G — Gas utility
- OT — Telephone utility
- FOT — Fiber optic utility
- W — Water utility
- SD — Storm drain utility
- S — Sewer utility
- OP — Overhead power utility
- P — Underground power utility
- SL — *Underground site lighting*
- FMS — *Freeway management system utility*
- (xx) *X = Conduit and conductor identification*
- (xx) *X = Existing conduit and conductor identification*
- B ---- E *Approximate begin/end directional drill limits*

## STREET LIGHTING ABBREVIATIONS:

| | | | |
|---|---|---|---|
| *ADOT* | *Arizona department of transportation* | *LED* | *Light emitting diode* |
| *APS* | *Arizona public service* | *NEC* | *National electrical code* |
| *CONST* | *Construction* | *NO.* | *Number* |
| *DWG* | *Drawing* | *TCE* | *Temporary construction easement* |
| *EXST* | *Existing* | *VO* | *Vertical offset* |
| *FMS* | *Freeway management system* | | |
| *HM* | *High mast* | | |
| *HPS* | *High Pressure* | | |
| *J-BOX* | *Junction box* | | |

### Voltage Drop For Bisbee West Type IV Load Center

| Point | Point Name | Source Point | Conduit Type | Conductor Type | Wire Size/Quantity | | | Load (A) | Distance | Voltage | Phase | **% Vdrop | Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Utility Published Data | 0 | | | | | | | | | | | 1 |
| 2 | Utility PB & Pole 1-14 (no. 11) | 1 | NM | Copper | 1 | Set of | 8 | 6.424 | 10 | 480 | 1 | 0.02% | 2 |
| 3 | Pole 15 & 16 | 2 | NM | Copper | 1 | Set of | 8 | 2.628 | 1113 | 480 | 1 | 0.86% | 3 |
| 4 | Pole 17 | 3 | NM | Copper | 1 | Set of | 8 | 2.044 | 158 | 480 | 1 | 0.95% | 4 |
| 5 | Pole 18 | 4 | NM | Copper | 1 | Set of | 8 | 1.752 | 46 | 480 | 1 | 0.98% | 5 |
| 6 | Pole 20 | 5 | NM | Copper | 1 | Set of | 8 | 1.46 | 60 | 480 | 1 | 1.00% | 6 |
| 7 | Pole 21 | 6 | NM | Copper | 1 | Set of | 8 | 1.168 | 137 | 480 | 1 | 1.05% | 7 |
| 8 | Pole 11 | 7 | NM | Copper | 1 | Set of | 8 | 0.876 | 74 | 480 | 1 | 1.07% | 8 |
| 9 | Pole 22 | 8 | NM | Copper | 1 | Set of | 8 | 0.584 | 51 | 480 | 1 | 1.07% | 9 |
| 10 | Pole 23 | 9 | NM | Copper | 2 | Set of | 8 | 0.292 | 61 | 480 | 1 | 1.08% | 9 |

**Voltage Drop: Is cumlutive from the source to the panelboard.

NO. 4 | DESCRIPTION OF REVISION - TRAFFIC-RATED PULL BOX DIMENSIONS AND C&C SCHEDULE REVISIONS | MADE BY - FAK | DATE - 11/26

Registered Professional Engineer (Electrical) C.E. Kenney No. 80307 JACKSON MODRAK Date Signed 11/06/26 ARIZONA U.S.A.

| | NAME | DATE |
|---|---|---|
| DESIGN | JDM | 11/26 |
| DRAWN | FAK | 11/26 |
| CHECKED | MAC | 11/26 |

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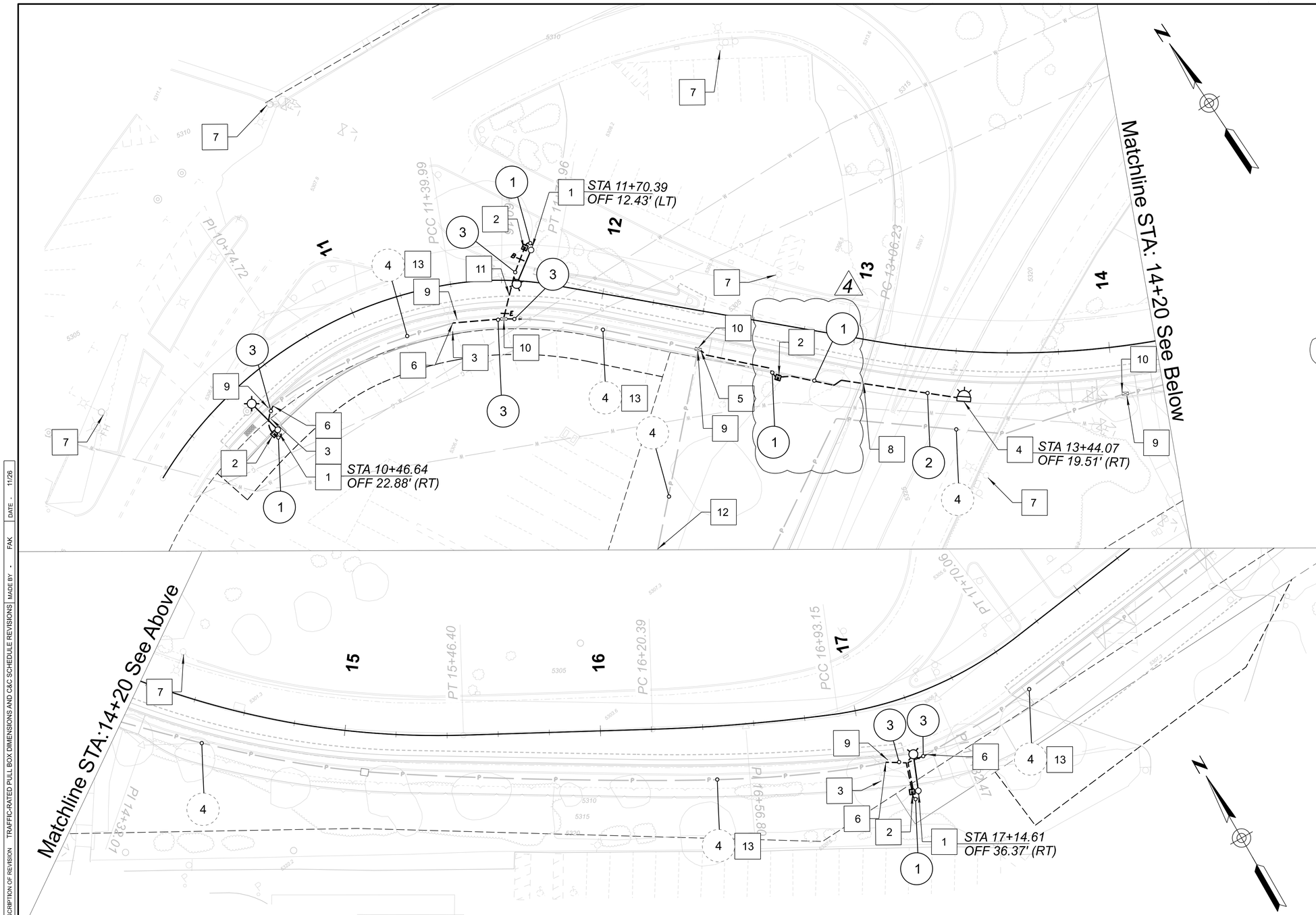
ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGEMENT GROUP
T0621 BISBEE WEST
LEGEND/CONSTRUCTION NOTES SHEET

ROUTE SR 80
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

| STATE | PROJECT NO. | FEDERAL ID NO. | SHEET NO. | TOTAL SHEETS | RECORD DRAWING |
|---|---|---|---|---|---|
| ARIZ. | 0000 CH BIS | BIS-0(207)T | 24 | 45 | |

LOCATION SR80; QUEEN MINE TOUR - OLD BISBEE
DWG NO. L-01.02
TRACS NO. T0621 01C
____ OF ____




## LIGHTING CONSTRUCTION NOTES:

1. *Install relocated light pole and mast arm on new type G foundation per T.S. 4-5 and type II breakaway base per detail T.S. 5-0. Route (2) #12 AWG conductors and (1) #12 AWG ground conductor from pull box to luminaire.*
2. *Install #4B pull box, per ADOT standard drawing T.S. 1-12.*
3. *Remove and relocate existing pole, mast arm, and luminaire, and demo 3' below grade.*
4. *Furnish and install (1) 2,900 lumen 15L type III wall mounted luminaire (120-277V) mounted 12.5' on surface mount NEMA 3R junction box.*
5. *Tie proposed conduit into existing pull box.*
6. *Tie proposed conduit into existing conduit and pull new conductors per conduit and conductor schedule.*
7. *Existing light, protect in place.*
8. *Conduit shall transition from PVC conduit to RMC conduit where exposed. Use conduit expansion coupling at transition.*
9. *Remove and dispose of existing pull box.*
10. *Install 17"x24" traffic rated pull box per detail LT01 on sheet 24*
11. *Directional drill and install new conduit per conduit and conductor schedule.*
12. *Continuation to load center on pole.*
13. *Continuation from note 3 per the conduit & conductor schedule until the nearest pull box.*

*CONDUIT AND CONDUCTOR SCHEDULE FOR BISBEE*

| CONDUIT RUN NUMBER | | 1 | 2 | 3 | 4 |
|---|---|---|---|---|---|
| CONDUIT SIZE IN INCHES | | 1 | 1 | 2 | EX2 |
| CONDUIT WIRE TYPE | | PVC | RMC | PVC | |
| AWG | | | | | |
| #8 | CIRCUIT 5 | | | 2 | 2 |
| #8 | INSULATED BOND | | | 1 | 1 |
| #12 | TYPICAL LIGHTING CIRCUIT PULL BOX TO LIGHT POLE | 2 | 2 | | |
| #12 | INSULATED BOND | 1 | 1 | | |

| NO. | DESCRIPTION OF REVISION | MADE BY | DATE |
|---|---|---|---|
| 4 | TRAFFIC-RATED PULL BOX DIMENSIONS AND C&C SCHEDULE REVISIONS | FAK | 11/26 |

Registered Professional Engineer (Electrical) — 80307 — JACKSON MODRAK — Date signed 11/06/26 — ARIZONA USA

| | NAME | DATE |
|---|---|---|
| DESIGN | JDM | 11/26 |
| DRAWN | FAK | 11/26 |
| CHECKED | MAC | 11/26 |

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ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGEMENT GROUP

T0621 BISBEE WEST LIGHTING SHEET

STA: 10+00 to 18+00

ROUTE SR 80
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division

| STATE | PROJECT NO. | FEDERAL ID NO. | SHEET NO. | TOTAL SHEETS | RECORD DRAWING |
|---|---|---|---|---|---|
| ARIZ. | 0000 CH BIS | BIS-0(207)T | 25 | 45 | |

LOCATION SR80; QUEEN MINE TOUR - OLD BISBEE

DWG NO. L-01.03

TRACS NO. T0621 01C

____ OF____

4:26:52 PM 11/6/2026 Frank.Kenney K:\PHX_Roadway\Worksets\ADOT_PROJECTS_2022R3_10.12_291728053-T0621_Bisbee SUP West\dgn\Lighting\T0621_lt01.dgn