



TYPICAL SPAN WIRE DETAIL & LIST OF MATERIALS

NOTES:

1. All pedestrian units shall be neon type (20 watt) with international "Man-Hand" symbol. See item 17.
2. All "F" signal head assemblies shall have "glass" lenses.
3. All splices shall be made in signal heads.
4. Bond all electrical apparatus to #8 ground conductor.
5. All underground rigid galvanized steel conduit shall be wrapped with an approved PVC tape.
6. The guy wire alignment plan should be submitted to the Project Engineer prior to construction of Temporary Signals.
7. Messenger cable shall have a maximum sag of five percent of spans. The lowest point of any back plate shall initially be 17 feet above the roadway to allow for settling of poles and anchors. The contractor shall check each day to insure that the minimum clearance is maintained and shall take corrective measures if necessary.
8. Installation shall comply with all NEC, OSHA and ADOT requirements.

| Item | Description | Item | Description |
|------|--|------|---|
| 1 | 3/8" dia. 7-Strand Galv. Messenger Cable. | 11 | Eye Bolt, 2 Square Washers and 2-Nuts, Galv. |
| 2 | 20 Conductor Cable IMSA Spec. 19-1(*12 AWG Solid) Two (2) No. 8 THW Lighting Conductors, One (1) No. 8 Grounded Conductors, See Plans for other Conductors and Cables in Wire Bundles. | 12 | Guy Wire Anchor Assembly. |
| 3 | Signal Assembly - Per Signal Plan Sheet & T.S. 8-1. | 13 | #5 Pull Box Installed Per T.S. 1-6. |
| 4 | Signal Assembly - Per Signal Plan Sheet & T.S. 8-2. | 14 | Luminaire Ass'y - 15' Mast Arm, 250W, 240V-HPS, Type III, 90° medium cut-off. |
| 5 | Balance Adjuster and Wire Entrance. | 15 | Signal Assembly - Per Signal Plan Sheet & T.S. 8-2. |
| 6 | 1/4" Tether Wire Cable. | 16 | Class III Wood Pole. |
| 7 | 2" Galv. Conduit. | 17 | Ped. Signal and Bracket Assembly. |
| 8 | Span Wire Clamp. | 18 | Ped. Push Button T.S. 11-1. |
| 9 | Porcelan Strain Insulators. | 19 | Condulet |
| 10 | 3-Bolt Clamp | 20 | Insulator |
| | | 21 | 2" Weather Head |

| | | | |
|---------------------------|------------------|--|--------------------------|
| DESIGN APPROVED | SIGNATURE | ARIZONA DEPT. OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION TRAFFIC SIGNALS & LIGHTING STANDARD DRAWINGS | REV. |
| APPROVED FOR DISTRIBUTION | | ON FILE | DRAWING NO. T.S. 15-2 |