1. Wood poles shall be class 4. Length determined by signal plan.
2. Signal faces:
   A. All sections shall be 12" and polycarbonate.
   B. Each shall contain a 3" wide dull black polycarbonate backplate.
   C. Each shall be wired from the top signal mounting bracket.
   D. Near right signal face suspended on the tether (no backplate) shall not be over the traveled way. If the pole is within 6 feet of the traveled way mount the signal face on the wood pole with backplate.
3. Span wire:
   A. Each span wire shall be individually down guyed.
   B. Signal and lighting cables shall only be attached to the upper span wire.
   C. The signal assembly shall have a 17' min. height above the roadway. This shall be measured after the span wire installation is completed with all cables and signal faces in place. Maintain minimum and maximum heights as roadway work progresses.

**General Notes**

Details of construction, materials and workmanship not shown on this drawing shall conform to the pertinent requirements of the contract.

**Table**

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<tr>
<th>Minimum Pole Lengths</th>
<th>Pole Burial Depths</th>
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<td>20'</td>
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<td>30'</td>
<td>7'</td>
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| SDD 9G1 | Span Wire Temporary Traffic Signal sheets "d", "e", "f" and "g" are required. |

Design Notes:
NONE

Contact Person:
Ahmet Demirbilek (414) 220-6801
1. Wood poles shall be Class IV. Length determined by signal plan.

2. Signal faces:
   A. All sections shall be 12" and polycarbonate.
   B. Each shall contain a 5" wide dull black polycarbonate backplate.
   C. Each shall be wired from the top signal mounting bracket.
   D. Near right signal face suspended on the tether (no backplate) shall not be over the traveled way. If the pole is within 5 feet of the traveled way mount the signal face on the wood pole with backplate.
   E. Far indication shall be maintained over center of traffic lane.

3. Span wire:
   A. Each span wire shall be individually down guyed.
   B. Signal and lighting cables shall only be attached to the upper span wire.
   C. The signal assembly shall have a 17' minimum height above the roadway. This shall be measured after the span wire installation is completed with all cables and signal faces in place. Maintain minimum and maximum heights as roadway work progresses.
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GENERAL NOTES

- Minimum pole lengths:
  - 25' min. lengths:
    - Class IV
  - 30' min. lengths:
    - Class V
  - 35' min. lengths:
    - Class IV
  - 40' min. lengths:
    - Class IV
  - 45' min. lengths:
    - Class IV

- Pole burial depths:
  - 5'
  - 6'
  - 7'
  - 8'
  - 9'

- Wire rope tether:
  - Wire clips
  - Serving sleeve
  - 1 4" tether wire
  - Drive hook
  - Wood pole

- Detail "A"
References:
NONE

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Design Notes:
NONE

Contact Person:
Ahmet Demirbilek (414) 220-6801
SPAN WIRE TEMPORARY
TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
By: Ahmet Demerbilek

OVAL EYE BOLTS AND EVE NUTS SHALL ONLY BE USED WITH A BOLTED-DEAD END

BOLTED DEAD END

PREFORMED TWISTED DEAD-END

2 1/2 CURVED WASHERS

STRAIGHT THIMBLE EYE BOLT

THIMBLE EYE NUT

3-BOLT CLAMPS

SERVING SLEEVE

SPAN WIRE TEMPORARY
SPAN WIRE

SPAN WIRE

SPAN WIRE

SPAN WIRE

SPAN WIRE
References:
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Design Notes:
SDD 9G1 sheets "a", "b" or "c" or any combination of these SDD's must be included with this drawing.

Contact Person:
Ahmet Demirbilek (414) 220-6801
GENERAL NOTES

1. Use 3/4" drill in wood pole to provide for 5/8" bolts.
2. Safety loop required on each end of all span wires.
References:
NONE

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Contact Person:
Ahmet Demirbilek (414) 220-6801
TYPICAL SPAN WIRE MOUNTING HARDWARE

- **Span Wire Clamp**
- **Balance Adjuster** (if needed)
- **Wire Entrance**
- **Upper Span Wire**
- **Signal Cable**
- **Driveway Hook**
- **Wedge Clamp**
- **Drip Loops** (strain relieved)
- **Cable Taped or Strapped to Span Wire**
- **Box** 10' Min., 12' Max

**OPTION 1**

- **Tether Clamp Assembly Option**
- **Lower Span Wire**
- **Tether Wire**
- **Span Wire Clamp**
- **Balance Adjuster** (if needed)
- **Wire Entrance**
- **Use Option 1 or Tether Clamp Assembly**

**TYPICAL DROP TO TEMPORARY MOVEABLE SIGNAL**

- **4' x 4' Wood Post**
- **4" x 4" Wood Post with 2 - 3/8" x 3" Lags**
- **20' of Coiled Cable**
- **Insulated Staples**
- **Weatherproof Splice Box**
- **ALL Signal Heads Wired from Top Mounting Bracket with a Weatherproof Connector**
- **ALL Brackets Laged to Wood Posts 2 - 3/8" x 3" Lags**
- **Grade**

**TYPICAL SPAN WIRE MOUNTING HARDWARE**

- **5 Section Vertical with 3 Section Vertical on One Span Wire**

**STATE OF WISCONSIN**

DEPARTMENT OF TRANSPORTATION

APPROVED

**June 2015**

Ahmet Demerbilek

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

SDD 09G01-f Span Wire Temporary Traffic Signal
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Contact Person:

Ahmet Demirbilek (414)220-6801
SPAN WIRE B
MEDIAN POLE

WOOD POLE

ALL DOWN OR SIDEWALK GUYS SHALL BE INSTALLED IN THE OPPOSITE DIRECTION OF THE STRAIN OF THE SPAN WIRE

SPAN WIRES

WOOD POLE

CORNER POLES

SPAN WIRES

WOOD POLE

ISLAND POLES

SPAN WIRE A

MEDIAN POLE

SPAN WIRE B

TYPICAL SKID TYPE TEMPORARY

SIGNAL CABLE

CHASE NIPPLE ENTRANCE

PERMITTED ONLY ON BOTTOM OF BOX

10' MIN.

24" MIN.

SIGNAL CABLE INSTALLED IN CONDUIT TO CABINET

GRADE

2" BUSHING OR 2" PVC BELL END

34" X 36" X 36" EXTERIOR GRADE PLYWOOD

4" X 4" WOOD POSTS

PLYWOOD BASE

SIGNAL CABLE WITH DRIP LOOPS

SECURE CABLES TO POLE AT 2 INTERVALS

CABINET

4" X 4" X 4" MIN.

METAL OR PVC NEMA TYPE 4

GLAND TYPE CONNECTOR

SIGNAL CABLE

SIGNAL CABLE

WITH DRIP LOOPS

2" BUSHING OR 2" PVC BELL END

PVC CABLE GUARDED OR CONDUIT

TETHER WIRE

2" BUSHING OR 2" PVC BELL END

CABLE DRIP LOOP (STRAIN RELIEVED)

SIGNAL CABLE

WEDGE CLAMP

MOUNT EACH BRACKET WITH TWO 5/16 STAINLESS STEEL BANDS

4" X 13' ALUMINUM STANDARD

4" X 4" POSTS

WIRED FROM TOP WITH WATER PROOF CONNECTOR

SIGNAL CABLE

WIRE GUARDS OR CONDUIT

SIGNAL CABLE

WITH DRIP LOOPS

METAL OR PVC

SPLICE BOX

6" X 8" X 4" MIN.

SPLICE BOX

4" X 4" WOOD POSTS

SIGNAL CABLE

SECURE CABLES TO POLE AT 2 INTERVALS

CABINET

4" X 4" X 4" MIN.

METAL OR PVC NEMA TYPE 4

GLAND TYPE CONNECTOR

SIGNAL CABLE

SIGNAL CABLE

WITH DRIP LOOPS

2" BUSHING OR 2" PVC BELL END

PVC CABLE GUARDED OR CONDUIT

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Span Wire Temporary Traffic Signal

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