## SWIS S

Span Wire Signal Support Design

## PROJECT DETAIL

Project Date: 12/20/2018
Last Revision Date: 02/20/2020

## Author: GRS

Filename: 180228 Kessler - Cowlesville.xml

Comments:

- 12 INCH LENSES
- POLYCARBONATE SIGNAL HEADS WITH BACKPLATES, TETHERED
- CHECKED, NAU 2/20/20


## SWIS S <br> Version 1.2.3

## Span Wire Signal Support Design

## INPUT VALUES

| Sequence \#: | 1 |
| :--- | :--- |
| Configuration Type: | Simple |
| Problem Identification: | West |




| Min. SAG (ft): | 2.85 | Max. SAG (ft): | 4.75 | Minimum Clearance (ft): | 22.00 | Wire Weight (lbs/ft): | 1.50 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Sum of Loads (lbs): | 141.30 | Sum of Areas (ft): | 11.35 | Wind Pressure (psf): | 42.00 |  |  |

Span Wire Signal Support Design

## RESULT OF FINAL CALCULATION [MAX SAG]



Span 1 (0.72), (0.00), [0.14]

Span Wire Signal Support Design

## RESULT OF FINAL CALCULATION [MIN SAG]



[^0]
## SWIS S <br> Version 1.2.3

## Span Wire Signal Support Design

## INPUT VALUES

| Sequence \#: | 2 |
| :--- | :--- |
| Configuration Type: | Simple |
| Problem Identification: | North |




| Min. SAG (ft): | 2.85 | Max. SAG (ft): | 4.75 | Minimum Clearance (ft): | 22.00 | Wire Weight (lbs/ft): | 1.50 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Sum of Loads (lbs): | 117.60 | Sum of Areas (ft): | 8.95 | Wind Pressure (psf): | 42.00 |  |  |

Span Wire Signal Support Design

## RESULT OF FINAL CALCULATION [MAX SAG]



[^1]Span Wire Signal Support Design

## RESULT OF FINAL CALCULATION [MIN SAG]



[^2]
## SWIS S <br> Version 1.2.3

## Span Wire Signal Support Design

## INPUT VALUES



## Span Wire Signal Support Design



[^3]
## Span Wire Signal Support Design

## RESULT OF FINAL CALCULATION [MIN SAG]



[^4]
## SWIS S <br> Version 1.2.3

## Span Wire Signal Support Design

## INPUT VALUES

| Sequence \#: | 4 |
| :--- | :--- |
| Configuration Type: | Simple |
| Problem Identification: | East |




Design Data

| Min. SAG (ft): | 3.06 | Max. SAG (ft): | 5.10 | Minimum Clearance (ft): | 22.00 | Wire Weight (lbs/ft): | 1.50 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Sum of Loads (lbs): | 117.60 | Sum of Areas (ft): | 8.95 | Wind Pressure (psf): | 42.00 |  |  |

Span Wire Signal Support Design

## RESULT OF FINAL CALCULATION [MAX SAG]



Span 1 (0.35), (0.00), [0.17]

Span Wire Signal Support Design

## RESULT OF FINAL CALCULATION [MIN SAG]



Height of each signal or sign attachment point above the lowest (ft)

Span 1 (0.21), (0.00), [0.10]

Span Wire Signal Support Design
RESULT OF COMBINATION CALCULATION



[^0]:    Span 1 (0.43), (0.00), [0.09]

[^1]:    Span 1 (0.67), (0.00), [0.14]

[^2]:    Span 1 (0.40), (0.00), [0.09]

[^3]:    Span 1 (0.57), (0.00), [0.19]

[^4]:    Span 1 (0.34), (0.00), [0.11]

