$$
\begin{aligned}
& \text { doto below which wos } \\
& \text { project survey doto. } \\
& \hline
\end{aligned}
$$

| Elevation Data for Span Wire At |  |  |
| :---: | :---: | :---: |
| Elevation Differences for: | Pole | Pole |
| Boseline reference point ot ¢ Foundation $\bigcirc$ ground level ${ }^{\text {e }}$ ) | 851.39 ft. |  |
| Elevotion difference ot high point of roodwoy surfoce to P | +1.34 ft . |  |
| Elevotion difference ot high point of roodwoy surfoce to Pole *4 | + 2.53 ft. |  |
| Boseline reference point ot ¢ Foundotion $@$ ground level ${ }^{\text {e }}$ () |  | 846.41 |
| Elevotion difference ot high point of roodwoy sur foce to Pole ${ }^{\text {* }}$ |  |  |
|  |  |  |

NOTE: SEE SHEET SIG-X.X FOR INTERSECTION LOADING DIAGRAM


Elevation View -
五

| STRAIN POLE LOADING SCHEDULE |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| SIGNAL HEAD NUMBER | $\begin{gathered} \text { LOADDNG } \\ \text { STMBEO } \end{gathered}$ | descripion | AREA | sIze | weloht |
|  |  | SIGNAL HEAD <br> 12"-3 SECTION-WITH BACKPLATE, HANGER, AND BALANCE ADJUSTER | 9.5 S.F. |  | 56 LBS |
| (4) (B) (C) |  | SIGN WITH Hanger | 7.5 S.F. | $\begin{aligned} & 30.0^{0} 0^{\prime \prime} \\ & 36.00^{2} \end{aligned}$ | 14 LBS |
| (5) |  | STREET NAME SIGN WITH HANGER | ${ }^{16.0}$ S.F. |  | 36 LBS |

STRAIN POLE LOADING SCHEDULE

## \section*{\section*{}}  <br> 


desion reference materilal
NOTES
 Signs, Luminaires, ond Troffic Signals, including oll of the lotest inter im revi is ions. The 2018 Ncoot "Stondard Speci if cooti ions for Roods ond Structures" The Iotest vodendo to

The troffic signol project plons ond speci iol provis i ons.

desion reoulrements
 approval of the Engineer. Any nodi if icot ot ons to the ori iginal locot ion of occessori es
and must be refle le
ond opproval.
3. All signal heads are to be tethered ot the bottom of the signal head housing.
4. Desi ion o ori il ed pier foundotion thot conforms to the reaui rements of ITSS Project Speciol

6. Design bose plate with 8 anchor bolt holes. Provide 2 inch $\times 60$ inch onchor bolts.
7. The ottochment height ( H 1 ) shown is based on the foll owing design ossumptions:
o. The too of the pole base plote is 0.75 feet obove the ground elevotion.
b. Refer to the Elevotion Doto chort for the elevotion differences petween
 odj ccent pole ottochnent points.
 Engineer os this moy offect the ottochment hei ints. The controctor moy cont foct the
Si nonal Design Section Senior Structural Eng ineer for oss istonce ot (919) 814 -5000.
9. The contractor is responsible for veri fy ing thot the ottachnent heights shown will oll ow
for proper position ing of the signol heods over the roodwoy. 10. The contractor is responsible for providing soil penetrotion test ing doto (SPT) to the pole
monufocturer so so site specificic foundotions con be desi ined.


