

Docusign Envelope ID: 1372F10C-2661-48CD-9043-2AFBDF08252D

METAL	POLE	No.	1	and	2

	MAST ARM LOADING SC	HEDU	LE	
loading symbol	DESCRIPTION	AREA	SIZE	WEIGHT
	RIGID MOUNTED SIGNAL HEAD 12″-4 SECTION-WITH BACKPLATE	11.5 S.F.	25.5″W X 66.0″L	74 LBS
	RIGID MOUNTED SIGNAL HEAD 12″-3 SECTION-WITH BACKPLATE	9.3 S.F.	25.5″W X 52.5″L	60 LBS
Street Name	STREET NAME SIGN RIGID MOUNTED	16.0 S.F.	24.0″W X 96.0″L	36 LBS
2	SIGN RIGID MOUNTED	7.5 S.F.	30.0″W X 36.0″L	14 LBS
	PEDESTRIAN SIGNAL HEAD WITH MOUNTING HARDWARE	2.2 S.F.	18.5″W X 17.0″L	21 LBS

PROJECT REFERENCE NO.

R-5963A

SHEET NO.

Sig. 2.3

## <u>NOTES</u>

## DESIGN REFERENCE MATERIAL

<ul> <li>The Sign</li> <li>The the the</li> <li>The The</li> <li>The The</li> <li>The The</li> <li>The The</li> </ul>	1st Edition 2015 AASHT ns, Luminaires, and Tra 2024 NCDOT "Standard S specifications can be 2024 NCDOT Roadway Sta traffic signal project NCDOT "Metal Pole Stan	Pucture and foundation in acc D LRFD "Standard Specificati ffic Signals, including all pecifications for Roads and found in the traffic signal ndard Drawings. plans and special provision dards" located at the follow resources/safety/Pages/ITS-D	ons for Structura of the latest int Structures." The project special p s. ing NCDOT website	erim revisions. latest addenda to rovisions.
<u>design</u> re	QUIREMENTS			
views. loads traffi 3. Design 4. A clam stiffe requir 5. Design 6. The ma a. Nom base b. Sign c. The d. The e. Refe four f. Prov of to e aid 7. The por to e aid 7. The por to e aid 7. The por the fo b. Sign c. The f. Prov of f. Prov f. Prov of f. Prov f. Prov of f. Prov f. Prov f.	These are anticipated that will be applied at c signal plans for the all signal supports us p-type bolted mast arm- ened box connection show rements. base plate with 8 anch ast arm attachment heigh inal vertical rise in me to the centerline of hal heads are rigidly me roadway clearance heigh top of the pole base p er to the Elevation Date hdation ground level and vide horizontal distance travelway. Refer to the bosed foundation ground ensure that the roadway in the camber design of one manufacturer will de pole manufacturer will de plowing: t arm attachment height plus 1/2 of the total he e location adjustments er as this may affect the positioning of the sign of the sign	etermine the total height (H2 (H1) plus 2 feet, or eight of the mast arm attach are required, the contractor the mast arm lengths and arm gnal Design Section Senior S e for verifying that the mast anal heads over the roadway.	nd may not represe on. The contractor oplied at the time rexceed 0.9. sed instead of the meets all of the meets all of the ch x 60 inch ancho e following design d from the center ed on the mast ar the elevation vi ground elevation. fferences between way. ne of the foundat evation difference lway. This inform the edge of the t evation difference lway. This inform the edge of the t evation difference is a constructed by plue attachment heigh- otructural Enginee arm length shown	ent the actual r should refer to the e of the installation. e welded ring design or bolts. n assumptions: line of the arm m. ews. the proposed ion to the edge e between the mation is necessary ravelway and to sing the greater of s 1 foot. val from the ts. The er for n will allow
		e for providing soil penetrat c foundations can be designed	-	plans prepared in the office of: Kimley »Horn
Allmetalp		be agate gray in color as et specialprovisions.	specified in the	NC License #F-0102 421 Fayetteville Street, Suite 600 Raleigh, NC 27601 (9)9) 677-2000
	NCDOT Wind Zone	5 (110 mph)		DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
7	Prepared for the Offices of:		Parkway	Docusigned by ///////////////////////////////////
	N / A	· · · · · · · · · · · · · · · · · · ·		SIGNATURE         3/4/2025           SIGNATURE         DATE           SIG. INVENTORY NO.         08-0525