PERMANENT SIGN ITEMS

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OVERVIEW

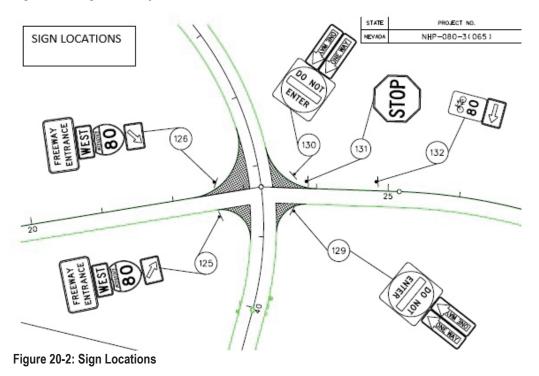
Permanent Sign Items have different documentation requirements for each unit of measure (UOM). All Permanent Sign Items must be counted, measured and calculated, or based on plan. Documentation examples for a few selected sign items are illustrated in this chapter. Some minor modifications may be required to show the unusual circumstances that may occur with different items, but the general format should be followed. If there are items which cannot be documented according to the following examples, contact the Construction Admin Services Section for assistance.

INSPECTOR'S RESPONSIBILITIES - SIGN ITEMS

- Use the Agreement Estimate Report as a reference to ensure that items and quantities are paid in the correct category (AEB).
- Use the Sign Summary Lists (Figure 20-1) the Sign Locations (Figure 20-2), located in the Contract plans to, help identify items, quantities, descriptions and locations.

		S	IGI	N	SUMMARY	•			NEW L	oc.	ATION	ıs	REM	OV	ALS	STATE MEVADA **POST LENGTHS & TYPE ARE FOR INFORMA*	PROJECT NO. NHP-080-3(065) FIONAL ESTIMATING	HUMBOLDT PURPOSE ONLY, SEE	GENE		TS 52
Remarks	Brace Length (ft)	Len	gth (ft) Outer	# of Posts	Post ** Type and Size (in)	Mounting Ht. (ft)	Slope	Curb & Gutter	Panel Size (in. x in.) w h	Panel Area (Actual Sq. Ft.)	New Bid Item Number	Sign No.	Panel Size (in. x in.) w h	Panel Area (Actual Sq. Ft.)	Removal Bid Item Number	Sign Message	1 0	Sign Station	Location		Sign imber
		12'2"		1	3" RND SNGL POST	7	6:1		36 x 36	9.00	627 0190	R5-1	36 x 36	9.00	627 0240	DO NOT ENTER					
MOUNT BACK TO BACK MOUNT BACK TO BACK		12' 2"		1	3" RND SNGL POST	7	6 : 1	F	36 x 12 36 x 12 36 x 36	3.00 3.00 9.00	627 0190 627 0190 627 0190	R6-1L	36 x 12 36 x 12 36 x 36	3.00 3.00 9.00	627 0240	ONE WAY (ENCLOSED IN LEFT ARROW)	n .	"R3C" 23 + 70	LT	130	130
	-	12' 1"	-	1	2.5" SQ 12 GA POST	7	6:1	\vdash	38 x 38	7.46	627 0190	R1-1	36 x 36	7.46	627 0240	STOP		"R3C" 23 + 85	LT	131	1318
		11'		1	2.5" SQ 12 GA POST	7	6:1		12 x 18 12 x 6	1.50	627 0190 627 0190		12 x 18	1.50 0.50	627 0240 627 0240	BICYCLE ROUTE MARKER HORIZONTAL ARROW		"R3C" 24 + 85	LT	132	132F
		11'1'	+	1	2.5" SQ 12 GA POST	7	6:1	Ε	36 x 24	6.00	627 0190	R5-1A	36 x 24	6.00	627 0240	WRONG WAY		"R3C" 28 + 10	RT	133	133F

Figure 20-1: Sign Summary List



- Review the following for accuracy:
 - Special Provisions
 - Supplemental Notices
 - · Change Orders

Note: When any changes are made to an item, reference the Change Order number in the DWR item posting remarks.

Turn in ALL sign item calculation sheets to the Office Engineer.

DAILY WORK REPORT (DWR) - MOBILE INSPECTOR

- 1. Create a DWR in Mobile Inspector daily to document the activity being monitored. Refer to the Mobile Inspector User Guide for details on using this application.
 - Report Details daily activities
 - Item Postings item(s) and quantity(s)
 - Equipment type, number and hours used
 - Personnel title and hours
- 2. Record the following required information in the Report Details window (Figure 20-3):
 - Date
 - Weather
 - · Low Temp and High Temp
 - Attachments: (N/A) Send ALL photos via email.
 - Remarks: Select the appropriate Remark Type. Verify with the Resident Engineer on what information is required.



Figure 20-3: DWR Report Detail Window

- 3. Record the following required information in the New Item Postings window:
 - Item: Select the appropriate Project/Catg., if item is in more than one Project/Catg. Refer to the AEB report.
 - Contractor: ALWAYS the Prime Contractor (Subs are not allowed).
 - · Qty: Based on plan, measurements and calculations
 - Location: Line Designation
 - Station From/To: Refer to Contract plans.
 - Offset Type: Enter the LT, RT, or CL.

- · Offset Dist. Enter if known.
- Comments

 Must show calculations when appropriate, refer to Calculation Sheet when appropriate (refer to Appendix B, Calculation Formulas, in this Manual for a Calculation Sheet example), other information relevant to item posting, and explanations when Attention Flag is checked.
- Attention Flag Use to bring attention to Resident Engineer and Office Engineer for overruns and plan errors. Must enter Attention Comments.

NOTES for Permanent Sign item postings:

- If an each item has a specific location/station callout in the plans, then a separate posting will be done. It should NOT be grouped in a posting.
- If each items do NOT have a location/station callout but are grouped in a table or structure list, then they can be combined in one posting.
- If the message, panel size, sign number and the SQFT match the Sign Summary Sheets in the Contract plans, enter the New/Removal Sign Number in the Posting Location (Figure 20-5 and Figure 20-6).
- If the message, panel size, sign number and the SQFT DOES NOT match the Sign Summary Sheets in the Contract plans, you will need to document the message, panel size, sign number and the SQFT in the Remarks of your posting with an explanation of why the sign does not match the Sign Summary Sheets (Figure 20-7 and Figure 20-8).
- Refer to Figure 20-4 through Figure 20-8 for examples of sign item postings with different UOM.



Figure 20-4: DWR Item Posting - Sign EACH

NOTES for Sign EACH Figure 20-4):

- Payment for EACH items will be based on field count.
- · Location: Enter the Sign Station
- Offset Type: Enter the LT, RT, or CL.
- · Offset Dist: Enter if known
- Sig. Fig. = .01



Figure 20-5: DWR Item Posting - Sign SQFT



Figure 20-6: DWR Item Posting - Sign (Remove or Reset) SQFT

NOTES for Sign SQFT (Figure 20-5):

- Payment for SQFT item will be based on plan quantity.
- Location: Enter the Sign Station
- Offset Type: Enter the LT, RT, or CL.
- Offset Dist: Enter if known
- Sig. Fig. = .01
- Enter the Sign Number from the contract plans in Comments.

NOTES for Sign (Remove or Reset) SQFT (Figure 20-6):

- Payment for SQFT item will be based on plan quantity.
- · Location: Enter the Sign Station.
- Offset Type: Enter the LT, RT, or CL.
- Offset Dist: Enter if known
- Sig. Fig. = .01
- Enter the Sign Number from the contract plans in Comments.

Item:	PERMANENT SIGNS (GR ▼
Contractor:	SIERRA NEVADA CONS
Qty:	12.00 SQFT
Authorized: Total Posted:	87.250 SQFT 0.000 SQFT
Location:	"R3C" 23+70
Station From: Offset Type: Offset Dist:	+ LT
Station To: Offset Type: Offset Dist:	+
Measured:	
Comments:	
One Way (Enclosed in	Size 36x36/144=9.00 SQFT.

New Item Posting				
Item:	PERMANENT SIGNS (GR •			
Contractor:	SIERRA NEVADA CONS			
Qty:	119.00 SQFT			
Authorized: Total Posted:	254.210 SQFT 0.000 SQFT			
Location:	"LNE" 318 + 50			
Station From: Offset Type: Offset Dist:	+ RT			
Station To: Offset Type:	+			
Offset Dist:				
Measured:				
Comments:	_			

NOTES for Sign (Remove or Reset) SQFT (Figure 20-7):

- Payment for SQFT item will be based on field measurements and calculations if different than plan.
- Calculation for SQFT = L x W / 144 (converting inches to feet).
- Location: Enter the Sign Station
- Offset Type: Enter the LT, RT, or CL.
- Offset Dist: Enter if known
- Sig. Fig. = .01
- Enter the Sign Number, panel size, SQFT and message in Comments.

NOTES for Sign (Remove or Reset) SQFT (Figure 20-8):

- Payment for SQFT item will be based on field measurements and calculations if different than plan.
- Calculation for SQFT = L x W / 144 (converting inches to feet).
- Location: Enter the Sign Station
- Offset Type: Enter the LT, RT, or CL.
- · Offset Dist: Enter if known
- Sig. Fig. = .01
- Enter the Sign Number, panel size, SQFT and message in Comments.

Figure 20-8: DWR Item Posting – Sign (Remove or Reset) SQFT

4. Record the following required information in the New Equipment window (Figure 20-9 and Figure 20-10):

3862 remaining

- Contractor: Actual contractor performing the work (include subs).
- Type: Select from the Equipment list
- Used: How many of each type.
- Hours Used: Total hours in use.

Comments: Details of the type of equipment (e.g., diesel, HP, model, make). Include equipment attachment information if applicable.

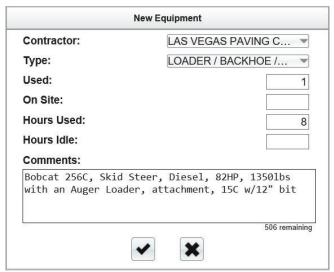


Figure 20-9: DWR Equipment Entry



Figure 20-10: DWR Equipment List

- 5. Record the following required information in the New Personnel window (Figure 20-11 and Figure 20-12):
 - Contractor: Actual contractor performing the work (include subs).
 - Type: Select from the Personnel list.
 - Number: How many of each title.
 - · Total Hours: Total hours worked.
 - Comments: Details of personnel type (e.g., foreman w/name, laborer, truck driver).

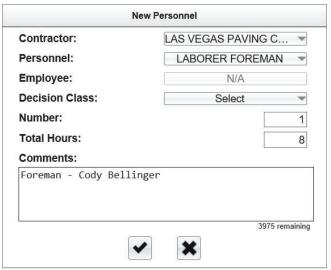


Figure 20-11: DWR Personnel Entry



Figure 20-12: DWR Personnel List

6. Complete a final review of the DWR, lock the report, and Sync Data.

Note: When a Mobile Inspector DWR is completed, locked and Synd Data is completed, the information is uploaded into an AWP DWR, where it is reviewed and Approved for processing progress payments.

DAILY WORK REPORT (DWR) - AWP EDITS

The Officer Engineer reviews each Inspector's DWRs for required entries and accuracy. If edits are needed on a DWR, the Inspector who created it will be required to log into the AWP program on a computer (not the iPAD) and complete the edits. Refer to Chapter 5, Daily Work Reports, Section, Editing a Mobile Inspector DWR, in the AWP User Guide for details.

OFFICE ENGINEER'S RESPONSIBILITIES - SIGN ITEMS

- Save Permanent Sign Items photos in the appropriate EDOC Contract Files\Contract Files\Division No. 3 Multimedia Records\3.? Photographs with Descriptions directory.
- Review Permanent Sign Items calculation sheets for accuracy and save electronically in the appropriate EDOC Contract Files\Contract Files\Division No. 7 - Construction Pay Estimate and Related Data\7.? DWR Calculation Sheets directory using this naming convention: DWR YYYY-MM-DD Inspectors Initials, (e.g. DWR 2016-03-19 KMM).
- Distribute executed copies of Change Orders to Inspectors.

DAILY WORK REPORT (DWR) - AWP

When a Mobile Inspector DWR is locked by an Inspector, the information is uploaded into an AWP DWR. Refer to Chapter 5, Daily Work Reports, in the AWP User Guide for details.

- 1. Verify the following:
 - Information in the Remarks
 - · Information in the Contractor On Site tab
 - Information in the Contractor Equipment tab
 - Information in the Contractor Personnel tab
 - Items are paid correctly according to the contract documents (e.g., plans, supplemental notices, Change Orders).
 - Item quantities
 - Quantities in postings are documented to the correct Significant Figure (.01)
 - Stations and Line Designations in the Locations
 - · Calculations are correct.
 - Comments reference calculation sheets, if applicable.

Note: Length does not always equal the difference between the beginning and ending station. Sometimes there is a curve or an obstacle that will affect the distance. Always check with the Inspector before assuming the calculations are incorrect.

- 2. Approve the DWR if everything is correct.
- 3. If there are edits required in the DWR, Reject it.
- 4. Notify the Inspector who created the DWR there are edits to be completed. The Inspector will be required to log into the AWP program on a computer (not the iPAD) to complete the edits.
- 5. Review the corrected DWR and Approve.