

SOLICITATION/CONTRACT/ORDER FOR COMMERCIAL ITEM OFFEROR TO COMPLETE BLOCKS 12, 17, 23, 24, & 30					1. REQUISITION NUMBER 356594		PAGE OF 1 2				
2. CONTRACT NO.			3. AWARD/ EFFECTIVE DATE		4. ORDER NUMBER			5. SOLICITATION NUMBER AG-0489-S-10-0161		6. SOLICITATION ISSUE DATE 01/20/2010	
7. FOR SOLICITATION INFORMATION CALL:			a. NAME TONYA RYMER			b. TELEPHONE NUMBER (No collect calls) 503-668-1703			8. OFFER DUE DATE/LOCAL TIME 02/10/2010 1400 PT		
9. ISSUED BY US FOREST SERVICE EROC NORTHWEST 16400 CHAMPION WAY SANDY OR 97055					CODE 0489		10. THIS ACQUISITION IS ☐ UNRESTRICTED OR ☒ SET ASIDE: 100.00 % FOR: NAICS: 339950 SIZE STANDARD: 500 ☒ SMALL BUSINESS ☐ HUBZONE SMALL BUSINESS ☐ SERVICE-DISABLED VETERAN- OWNED SMALL BUSINESS ☐ EMERGING SMALL BUSINESS ☐ Sole Source ☐ 8(A)				
11. DELIVERY FOR FOB DESTINA- TION UNLESS BLOCK IS MARKED ☐ SEE SCHEDULE			12. DISCOUNT TERMS			☐ 13a. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700)			13b. RATING 14. METHOD OF SOLICITATION ☒ RFQ ☐ IFB ☐ RFP		
15. DELIVER TO MOUNT HOOD NATIONAL FOREST 16400 CHAMPION WAY SANDY OR 97055					CODE 0467		16. ADMINISTERED BY US FOREST SERVICE EROC NORTHWEST 16400 CHAMPION WAY SANDY OR 97055				
17a. CONTRACTOR/ OFFEROR			CODE		FACILITY CODE		18a. PAYMENT WILL BE MADE BY CODE				
TELEPHONE NO.										18b. SUBMIT INVOICES TO ADDRESS SHOWN IN BLOCK 18a UNLESS BLOCK BELOW IS CHECKED ☐ SEE ADDENDUM	
17b. CHECK IF REMITTANCE IS DIFFERENT AND PUT SUCH ADDRESS IN OFFER											
19. ITEM NO.											
20. SCHEDULE OF SUPPLIES/SERVICES											
21. QUANTITY											
22. UNIT											
23. UNIT PRICE											
24. AMOUNT											
TAS::12 1118::TAS. RECOVERY Signs for Forest-wide Trail Sign Replacement. This solicitation is issued under the provisions of the American Recovery and Reinvestment Act of 2009. FAX Quotes to: (503) 668-1621. Procure trail directional signs on recreation trails throughout Mt. Hood National Forest. Product/Service Code: 9905 Continued ...											
25. ACCOUNTING AND AWARD INFORMATION (Use Reverse and/or Attach Additional Sheets as Necessary)								26. TOTAL AWARD AMOUNT (For Govt. Use Only)			
☒ 27a. SOLICITATION INCORPORATES BY REFERENCE FAR 52.212-1, 52.212-4. FAR 52.212-3 AND 52.212-5 ARE ATTACHED. ADDEND ☒ ARE ☐ ARE NOT ATTACHED.											
☐ 27b. CONTRACT/PURCHASE ORDER INCORPORATES BY REFERENCE FAR 52.212-4. FAR 52.212-5 IS ATTACHED. ADDENDA ☐ ARE ☐ ARE NOT ATTACHED.											
☐ 28. CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN _____ COPIES TO ISSUING OFFICE. CONTRACTOR AGREES TO FURNISH AND DELIVER ALL ITEMS SET FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY ADDITIONAL SHEETS SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED HEREIN.								☐ 29. AWARD OF CONTRACT REF. _____ OFFER DATED _____. YOUR OFFER ON SOLICITATION (BLOCK 5), INCLUDING ANY ADDITIONS OR CHANGES WHICH ARE SET FORTH HEREIN, IS ACCEPTED AS TO ITEMS:			
30a. SIGNATURE OF OFFEROR/CONTRACTOR								31a. UNITED STATES OF AMERICA (SIGNATURE OF CONTRACTING OFFICER)			
30b. NAME AND TITLE OF SIGNER (Type or print)				30c. DATE SIGNED		31b. NAME OF CONTRACTING OFFICER (Type or print)				31c. DATE SIGNED	
						TONYA R. RYMER					

19. ITEM NO.	20. SCHEDULE OF SUPPLIES/SERVICES	21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT
	Product/Service Description: SIGNS, ADVERTISING DISPLAYS, AND IDENTIFICATION PLATES				

32a. QUANTITY IN COLUMN 21 HAS BEEN

☐ RECEIVED☐ INSPECTEDACCEPTED, AND CONFORMS TO THE CONTRACT, EXCEPT AS
☐ NOTED: _____

32b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE		32c. DATE	32d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE	
32e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE			32f. TELEPHONE NUMBER OF AUTHORIZED GOVERNMENT REPRESENTATIVE	
			32g. E-MAIL OF AUTHORIZED GOVERNMENT REPRESENTATIVE	
33. SHIP NUMBER	34. VOUCHER NUMBER	35. AMOUNT VERIFIED CORRECT FOR	36. PAYMENT	37. CHECK NUMBER
☐ PARTIAL ☐ FINAL			☐ COMPLETE ☐ PARTIAL ☐ FINAL	
38. S/R ACCOUNT NUMBER	39. S/R VOUCHER NUMBER	40. PAID BY		
41a. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT			42a. RECEIVED BY (<i>Print</i>)	
41b. SIGNATURE AND TITLE OF CERTIFYING OFFICER		41c. DATE	42b. RECEIVED AT (<i>Location</i>)	
			42c. DATE REC'D (<i>YY/MM/DD</i>)	42d. TOTAL CONTAINERS

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2. SCHEDULE OF ITEMS

<u>Item Number</u>	<u>Description</u>	<u>Unit</u>	<u>TOTAL</u>
-	-	-	-
1.0	Barlow Ranger District Signs (See Sign Requisition Forms FS-6300-4 for details)	LS	\$_____
-	-	-	-
2.0	Clackamas River Ranger District Signs (See Sign Requisition Forms FS-6300-4 for details)	LS	\$_____
-	-	-	-
3.0	Hood River Ranger District Signs (See Sign Requisition Forms FS-6300-4 for details)	LS	\$_____
-	-	-	-
4.0	ZigZag Ranger District Signs (See Sign Requisition Forms FS-6300-4 for details)	LS	\$_____
-	-	-	-
	TOTAL ALL ITEMS		\$_____

Vendor Name:	Phone
Signature:	Fax
Address:	Email
City, State, Zip:	TIN#
	Duns#

Form FS-7100-63-1b

BARLOW RANGER DISTRICT ROUTED SIGN REQUISITION (Signs to be constructed in full compliance with Forest Service EM-7100-15)				TO BE COMPLETED BY A.S.	
				1. Purchase Order Number 356594	
Office Location Guide				5. Appropriation Code CRTR07	6. Required Delivery Date April 1, 2010
2. Region 06	3. Forest 06	4. District			
7. Name & Address of Ordering Unit (Include Zip Code) Mt. Hood National Forest, 16400 Champion Way, Sandy, OR 97068				8. Ship To (Include Zip Code) Barlow Ranger District, 780 Court Street, Dufur, OR 97021	
9. For Technical Assistance Contact Jim Thornton				10. Telephone No. 541-467-2291	11. Fax No. 541-467-2271
12. Sign Identification	13. Sign Message and Special Instructions			14. Materials & Finishing	
Line Item				Substrate	Finish & Misc.
BA-1 Sign No. TD-2 Est. Sq. Ft. Quantity/Unit Price 1 \$ Line Item Total	JCT. FOREST CREEK TR. NO. 473 1/8 → JCT. HIDDEN MEADOWS TR. NO. 472 1/4 →			r MDO Plywood r Cedar r Oak (Specify) _____ r Plastic r Fiberglass x Other (Specify) HDPE Routed Recycled Plastic	r Paint (Specify Color) _____ r Stain r Unfinished r Artificial Weather x Pre-drill Holes r Layout drawing and size to be approved prior to manufacture
Line Item				Legend Treatment	
BA-2 Sign No. TD-3 Est. Sq. Ft. Quantity/Unit Price 1 \$ Line Item Total	← KNEBAL SPRINGS TR. NO. 474 → ← JCT. BOTTLE PRAIRIE TR. NO. 455 1/4 ← JCT. LOOKOUT MTN. TR. NO. 450 1/2			r MDO Plywood r Cedar r Oak (Specify) _____ r Plastic r Fiberglass x Other (Specify) HDPE Routed Recycled Plastic	r Paint (Specify Color) _____ r Stain r Unfinished r Artificial Weather x Pre-drill Holes r Layout drawing and size to be approved prior to manufacture
Line Item				Legend Treatment	
BA-3 Sign No. TD-2 Est. Sq. Ft.	← KNEBAL SPRINGS TR. NO. 474 → ← JCT. LOOKOUT MTN. TR. NO. 450 1/4			r MDO Plywood r Cedar r Oak (Specify) _____ r Plastic r Fiberglass X Other (Specify) HDPE Routed Recycled Plastic	r Paint (Specify Color) _____ r Stain r Unfinished r Artificial Weather x Pre-drill Holes r Layout drawing and size to be approved prior to manufacture

Line Item		r MDO Plywood	r Paint (Specify Color)
BA-4		r Cedar	_____
Sign No.	← LOOKOUT MTN. TR. NO. 450	r Oak (Specify)	r Stain
TD-3	BOTTLE PRAIRIE TR. NO. 455 →	_____	r Unfinished
Est. Sq. Ft.	EIGHTMILE LOOP TR. NO. 496 →	r Plastic	r Artificial Weather
		r Fiberglass	x Pre-drill Holes
		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item		r MDO Plywood	r Paint (Specify Color)
BA-5		r Cedar	_____
Sign No.	BOTTLE PRAIRIE TR. NO. 455 →	r Oak (Specify)	r Stain
TD-2	EIGHTMILE LOOP TR. NO. 496 →	_____	r Unfinished
Est. Sq. Ft.		r Plastic	r Artificial Weather
		r Fiberglass	x Pre-drill Holes
		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
			r Other (Specify)

Line Item		r MDO Plywood	r Paint (Specify Color)
BA-6		r Cedar	_____
Sign No.	EIGHTMILE LOOP TR. NO. 496	r Oak (Specify)	r Stain
TD-2	EIGHTMILE CROSSING CG. 3 →	_____	r Unfinished
Est. Sq. Ft.		r Plastic	r Artificial Weather
		r Fiberglass	x Pre-drill Holes
		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item		r MDO Plywood	r Paint (Specify Color)
BA-7		r Cedar	_____
Sign No.	← BOTTLE PRAIRIE TR. NO. 455 →	r Oak (Specify)	r Stain
TD-4	← JCT. LOOKOUT MTN. TR. NO. 450	_____	r Unfinished
Est. Sq. Ft.	← JCT. ROAD 44	r Plastic	r Artificial Weather
		r Fiberglass	X Pre-drill Holes
		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item		r MDO Plywood	r Paint (Specify Color)
BA-8		r Cedar	_____
Sign No.	EIGHTMILE LOOP TR. NO. 496 →	r Oak (Specify)	r Stain
TD-2	EIGHTMILE CROSSING CG. 3 1/4 →	_____	r Unfinished
Est. Sq. Ft.		r Plastic	r Artificial Weather
		r Fiberglass	X Pre-drill Holes
		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item		r MDO Plywood	r Paint (Specify Color)
BA-9		r Cedar	_____
Sign No.	← EIGHTMILE LOOP TR. NO. 496	r Oak (Specify)	r Stain
TD-2	← EIGHTMILE CROSSING CG. 3 1/4	_____	r Unfinished
Est. Sq. Ft.		r Plastic	r Artificial Weather
		r Fiberglass	X Pre-drill Holes
		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item		r MDO Plywood	r Paint (Specify Color)
BA-10		r Cedar	_____
Sign No.	↑ FOREST CREEK TR. NO. 473	r Oak (Specify)	r Stain
TD-3	↑ JCT. HIDDEN MEADOWS TR. NO. 472 2 1/4	_____	r Unfinished
Est. Sq. Ft.	← BONNEY MEADOWS CG.	r Plastic	r Artificial Weather
		r Fiberglass	X Pre-drill Holes
		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item		r MDO Plywood	r Paint (Specify Color)
BA-11		r Cedar	_____
Sign No.	↑ HIDDEN MEADOWS TR. NO. 472	r Oak (Specify)	r Stain
TD-3	↑ JCT. FOREST CREEK TR. NO. 473 2 1/2	_____	r Unfinished
Est. Sq. Ft.	← BONNEY MEADOWS CG.	r Plastic	r Artificial Weather
		r Fiberglass	X Pre-drill Holes
		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item		☐ MDO Plywood ☐ Cedar ☐ Oak (Specify) _____ ☐ Plastic ☐ Fiberglass ☒ Other (Specify) HDPE Routed Recycled Plastic	☐ Paint (Specify Color) _____ ☐ Stain ☐ Unfinished ☐ Artificial Weather ☒ Pre-drill Holes ☐ <i>Layout drawing and size to be approved prior to manufacture</i>
BA-12			
Sign No.	BOULDER LAKE TR. NO. 463 →		
TD-2	← BONNEY MEADOWS CG.		
Est. Sq. Ft.			
Quantity/Unit Price			
1			
\$ Line Item Total			
Line Item		☐ MDO Plywood ☐ Cedar ☐ Oak (Specify) _____ ☐ Plastic ☐ Fiberglass ☒ Other (Specify) HDPE Routed Recycled Plastic	☐ Paint (Specify Color) _____ ☐ Stain ☐ Unfinished ☐ Artificial Weather ☒ Pre-drill Holes ☐ <i>Layout drawing and size to be approved prior to manufacture</i>
BA-13			
Sign No.	↑ LITTLE BOULDER TR. NO. 463A		
TD-2	↑ LITTLE BOULDER LAKE 1/2		
Est. Sq. Ft.			
Quantity/Unit Price			
1			
\$ Line Item Total			
Line Item		☐ MDO Plywood ☐ Cedar ☐ Oak (Specify) _____ ☐ Plastic ☐ Fiberglass ☒ Other (Specify) HDPE Routed Recycled Plastic	☐ Paint (Specify Color) _____ ☐ Stain ☐ Unfinished ☐ Artificial Weather ☒ Pre-drill Holes ☐ <i>Layout drawing and size to be approved prior to manufacture</i>
BA-14			
Sign No.	BOULDER LAKE TR. NO. 463 →		
TD-2	BONNEY MEADOWS CG. 2 1/2 →		
Est. Sq. Ft.			
Quantity/Unit Price			
1			
\$ Line Item Total			
Line Item		☐ MDO Plywood ☐ Cedar ☐ Oak (Specify) _____ ☐ Plastic ☐ Fiberglass ☒ Other (Specify) HDPE Routed Recycled Plastic	☐ Paint (Specify Color) _____ ☐ Stain ☐ Unfinished ☐ Artificial Weather ☒ Pre-drill Holes ☐ <i>Layout drawing and size to be approved prior to manufacture</i>
BA-15			
Sign No.	↑ BOULDER LAKE TR. NO. 463		
TD-2	↑ BOULDER LAKE 1/2		
Est. Sq. Ft.			
Quantity/Unit Price			
1			
\$ Line Item Total			

Line Item		r MDO Plywood	r Paint (Specify Color)
BA-16		r Cedar	_____
Sign No.	↑ LITTLE BOULDER TR. NO. 463A 1/2	r Oak (Specify)	r Stain
TD-2	↑ BONNEY MEADOWS CG. 3	_____	r Unfinished
Est. Sq. Ft.		r Plastic	r Artificial Weather
		r Fiberglass	X Pre-drill Holes
		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item		r MDO Plywood	r Paint (Specify Color)
BA-17		r Cedar	_____
Sign No.	↑ BOULDER LAKE	r Oak (Specify)	r Stain
TD-3	↑ LITTLE BOULDER LAKE	_____	r Unfinished
Est. Sq. Ft.	↑ BONNEY MEADOWS CG.	r Plastic	r Artificial Weather
		r Fiberglass	X Pre-drill Holes
		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item		r MDO Plywood	r Paint (Specify Color)
BA-18		r Cedar	_____
Sign No.	BOULDER LAKE	r Oak (Specify)	r Stain
TD-1		_____	r Unfinished
Est. Sq. Ft.		r Plastic	r Artificial Weather
		r Fiberglass	X Pre-drill Holes
		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item		r MDO Plywood	r Paint (Specify Color)
BA-19		r Cedar	_____
Sign No.	LITTLE BOULDER LAKE	r Oak (Specify)	r Stain
TD-1		_____	r Unfinished
Est. Sq. Ft.		r Plastic	r Artificial Weather
		r Fiberglass	X Pre-drill Holes
		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item		r MDO Plywood	r Paint (Specify Color)
BA-20		r Cedar	
Sign No.	← HIDDEN MEADOWS TR. NO. 472	r Oak (Specify)	r Stain
TD-2	← FOREST CREEK TR. NO. 473		r Unfinished
Est. Sq. Ft.		r Plastic	r Artificial Weather
		r Fiberglass	X Pre-drill Holes
		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
2		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
			r Other (Specify)
Line Item		r MDO Plywood	r Paint (Specify Color)
BA-21		r Cedar	
Sign No.	HIDDEN MEADOWS TR. NO. 472 →	r Oak (Specify)	r Stain
TD-2	FOREST CREEK TR. NO. 473 →		r Unfinished
Est. Sq. Ft.		r Plastic	r Artificial Weather
		r Fiberglass	X Pre-drill Holes
		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
2		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
			r Other (Specify)
Line Item		r MDO Plywood	r Paint (Specify Color)
BA-22		r Cedar	
Sign No.	↑ FOREST CREEK TR. NO. 473	r Oak (Specify)	r Stain
TD-2	↑ BONNEY MEADOWS CG. 3		r Unfinished
Est. Sq. Ft.		r Plastic	r Artificial Weather
		r Fiberglass	X Pre-drill Holes
		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
			r Other (Specify)
Line Item		r MDO Plywood	r Paint (Specify Color)
BA-23		r Cedar	
Sign No.	↑ HIDDEN MEADOWS TR. NO. 472	r Oak (Specify)	r Stain
TD-2	↑ BONNEY MEADOWS CG. 3 1/2		r Unfinished
Est. Sq. Ft.		r Plastic	r Artificial Weather
		r Fiberglass	X Pre-drill Holes
		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
			r Other (Specify)

Line Item	JCT. HIDDEN MEADOWS TR. NO. 472 1/2→	r MDO Plywood	r Paint (Specify Color)
BA-24		r Cedar	_____
Sign No.		r Oak (Specify)	r Stain
TD-1		_____	r Unfinished
Est. Sq. Ft.		r Plastic	r Artificial Weather
		r Fiberglass	X Pre-drill Holes
		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item	← JCT. FOREST CREEK TR. NO. 473 1/2	r MDO Plywood	r Paint (Specify Color)
BA-25		r Cedar	_____
Sign No.		r Oak (Specify)	r Stain
TD-1		_____	r Unfinished
Est. Sq. Ft.		r Plastic	r Artificial Weather
		r Fiberglass	X Pre-drill Holes
		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item	↑ BOULDER LAKE TR. NO. 463 ↑ HIDDEN MEADOWS TR. NO. 472 ↑ FOREST CREEK TR. NO. 473 ↑ BOULDER LAKE 3	r MDO Plywood	r Paint (Specify Color)
BA-26		r Cedar	_____
Sign No.		r Oak (Specify)	r Stain
TD-4		_____	r Unfinished
Est. Sq. Ft.		r Plastic	r Artificial Weather
		r Fiberglass	X Pre-drill Holes
		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item	BONNEY MEADOWS CG. →	r MDO Plywood	r Paint (Specify Color)
BA-27		r Cedar	_____
Sign No.		r Oak (Specify)	r Stain
TD-1		_____	r Unfinished
Est. Sq. Ft.		r Plastic	r Artificial Weather
		r Fiberglass	X Pre-drill Holes
		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item		r MDO Plywood	r Paint (Specify Color)
BA-28		r Cedar	_____
Sign No.	↑ HIDDEN MEADOWS TR. NO. 472	r Oak (Specify)	r Stain
TD-2	↑ BONNEY MEADOWS CG. 3	_____	r Unfinished
Est. Sq. Ft.		r Plastic	r Artificial Weather
		r Fiberglass	X Pre-drill Holes
		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item		r MDO Plywood	r Paint (Specify Color)
BA-29		r Cedar	_____
Sign No.	↑ HIDDEN MEADOWS TR. NO. 472	r Oak (Specify)	r Stain
TD-2	FOREST CREEK TR. NO. 473 →	_____	r Unfinished
Est. Sq. Ft.		r Plastic	r Artificial Weather
		r Fiberglass	X Pre-drill Holes
		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item		r MDO Plywood	r Paint (Specify Color)
BA-30		r Cedar	_____
Sign No.	CLOSED TO MOTORIZED VEHICLES	r Oak (Specify)	r Stain
TD-1		_____	r Unfinished
Est. Sq. Ft.		r Plastic	r Artificial Weather
		r Fiberglass	X Pre-drill Holes
		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item		r MDO Plywood	r Paint (Specify Color)
BA-31		r Cedar	_____
Sign No.	↑ HIDDEN MEADOWS TR. NO. 472	r Oak (Specify)	r Stain
TD-2	↑ BOULDER CREEK	_____	r Unfinished
Est. Sq. Ft.		r Plastic	r Artificial Weather
		r Fiberglass	X Pre-drill Holes
		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item BA-32	PERRY POINT	r MDO Plywood	r Paint (Specify Color)
Sign No.		r Cedar	_____
TD-1		r Oak (Specify)	r Stain
Est. Sq. Ft.		_____	r Unfinished
Quantity/Unit Price		r Plastic	r Artificial Weather
1		r Fiberglass	X Pre-drill Holes
\$ Line Item Total		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
		Legend Treatment	
		r Natural	r Ink Blackened
		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item BA-33	JCT. ROAD 4430 1/4 →	r MDO Plywood	r Paint (Specify Color)
Sign No.		r Cedar	_____
TD-1		r Oak (Specify)	r Stain
Est. Sq. Ft.		_____	r Unfinished
Quantity/Unit Price		r Plastic	r Artificial Weather
1		r Fiberglass	X Pre-drill Holes
\$ Line Item Total		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
		Legend Treatment	
		r Natural	r Ink Blackened
		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item BA-34	← KNEBAL SPRINGS TR. NO. 474 ← KNEBAL SPRINGS CG. 1 1/2	r MDO Plywood	r Paint (Specify Color)
Sign No.		r Cedar	_____
TD-2		r Oak (Specify)	r Stain
Est. Sq. Ft.		_____	r Unfinished
Quantity/Unit Price		r Plastic	r Artificial Weather
1		r Fiberglass	X Pre-drill Holes
\$ Line Item Total		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
		Legend Treatment	
		r Natural	r Ink Blackened
		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item BA-35	← JCT. ROAD 4430 1/4	r MDO Plywood	r Paint (Specify Color)
Sign No.		r Cedar	_____
TD-1		r Oak (Specify)	r Stain
Est. Sq. Ft.		_____	r Unfinished
Quantity/Unit Price		r Plastic	r Artificial Weather
1		r Fiberglass	X Pre-drill Holes
\$ Line Item Total		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
		Legend Treatment	
		r Natural	r Ink Blackened
		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item		☐ MDO Plywood ☐ Cedar ☐ Oak (Specify) _____ ☐ Plastic ☐ Fiberglass ☒ Other (Specify) HDPE Routed Recycled Plastic	☐ Paint (Specify Color) _____ ☐ Stain ☐ Unfinished ☐ Artificial Weather ☒ Pre-drill Holes ☐ <i>Layout drawing and size to be approved prior to manufacture</i>
BA-36			
Sign No.	BOTTLE PRAIRIE TR. NO. 455 →		
TD-2	JCT. EIGHT MILE LOOP TR. NO. 496 3 1/2 →		
Est. Sq. Ft.			
Quantity/Unit Price		Legend Treatment ☐ Natural ☐ Paint (Specify Color) _____	☐ Ink Blackened ☐ Scorched ☐ Other (Specify) _____
1			
\$ Line Item Total			
Line Item		☐ MDO Plywood ☐ Cedar ☐ Oak (Specify) _____ ☐ Plastic ☐ Fiberglass ☒ Other (Specify) HDPE Routed Recycled Plastic	☐ Paint (Specify Color) _____ ☐ Stain ☐ Unfinished ☐ Artificial Weather ☒ Pre-drill Holes ☐ <i>Layout drawing and size to be approved prior to manufacture</i>
BA-37			
Sign No.	← KNEBAL SPRINGS TR. NO. 474		
TD-1			
Est. Sq. Ft.			
Quantity/Unit Price		Legend Treatment ☐ Natural ☐ Paint (Specify Color) _____	☐ Ink Blackened ☐ Scorched ☐ Other (Specify) _____
1			
\$ Line Item Total			
Line Item		☐ MDO Plywood ☐ Cedar ☐ Oak (Specify) _____ ☐ Plastic ☐ Fiberglass ☒ Other (Specify) HDPE Routed Recycled Plastic	☐ Paint (Specify Color) _____ ☐ Stain ☐ Unfinished ☐ Artificial Weather ☒ Pre-drill Holes ☐ <i>Layout drawing and size to be approved prior to manufacture</i>
BA-38			
Sign No.	↑ KNEBAL SPRINGS TR. NO. 474		
TD-1			
Est. Sq. Ft.			
Quantity/Unit Price		Legend Treatment ☐ Natural ☐ Paint (Specify Color) _____	☐ Ink Blackened ☐ Scorched ☐ Other (Specify) _____
1			
\$ Line Item Total			
Line Item		☐ MDO Plywood ☐ Cedar ☐ Oak (Specify) _____ ☐ Plastic ☐ Fiberglass ☒ Other (Specify) HDPE Routed Recycled Plastic	☐ Paint (Specify Color) _____ ☐ Stain ☐ Unfinished ☐ Artificial Weather ☒ Pre-drill Holes ☐ <i>Layout drawing and size to be approved prior to manufacture</i>
BA-39			
Sign No.	← KNEBAL SPRINGS TR. NO. 474		
TD-2	↑ KNEBAL SPRINGS CG.		
Est. Sq. Ft.			
Quantity/Unit Price		Legend Treatment ☐ Natural ☐ Paint (Specify Color) _____	☐ Ink Blackened ☐ Scorched ☐ Other (Specify) _____
1			
\$ Line Item Total			

Line Item		r MDO Plywood	r Paint (Specify Color)
BA-40		r Cedar	_____
Sign No.	← FIFTEENMILE TR. NO. 456 ↑	r Oak (Specify)	r Stain
TD-4	↑ JCT. CEDAR CREEK TR. NO. 457 1/4	_____	r Unfinished
Est. Sq. Ft.	↑ JCT. ROAD 4421 9	r Plastic	r Artificial Weather
		r Fiberglass	X Pre-drill Holes
	← JCT. LOOKOUT MTN. TR. NO. 450 3	X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
Quantity/Unit Price		HDPE Routed Recycled Plastic	
1		Legend Treatment	
\$ Line Item Total		r Natural	r Ink Blackened
		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item		r MDO Plywood	r Paint (Specify Color)
BA-41		r Cedar	_____
Sign No.	JCT. CEDAR CREEK TR. NO. 457 1/4 →	r Oak (Specify)	r Stain
TD-2	JCT. FIFTEENMILE TR. NO. 456 5 →	_____	r Unfinished
Est. Sq. Ft.		r Plastic	r Artificial Weather
		r Fiberglass	X Pre-drill Holes
		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
Quantity/Unit Price		HDPE Routed Recycled Plastic	
1		Legend Treatment	
\$ Line Item Total		r Natural	r Ink Blackened
		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item		r MDO Plywood	r Paint (Specify Color)
BA-42		r Cedar	_____
Sign No.	← CEDAR CREEK TR. NO. 457	r Oak (Specify)	r Stain
TD-3	← JCT. FIFTEENMILE TR. NO. 456 5	_____	r Unfinished
Est. Sq. Ft.	↑ FIFTEENMILE CG. 1/4	r Plastic	r Artificial Weather
		r Fiberglass	X Pre-drill Holes
		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
Quantity/Unit Price		HDPE Routed Recycled Plastic	
1		Legend Treatment	
\$ Line Item Total		r Natural	r Ink Blackened
		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item		r MDO Plywood	r Paint (Specify Color)
BA-43	FIFTEENMILE TR. NO. 456 →	r Cedar	_____
Sign No.	JCT. CEDAR CREEK TR. NO. 457 3 →	r Oak (Specify)	r Stain
TD-3	JCT. ROAD 4421 6 →	_____	r Unfinished
Est. Sq. Ft.		r Plastic	r Artificial Weather
		r Fiberglass	X Pre-drill Holes
		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
Quantity/Unit Price		HDPE Routed Recycled Plastic	
1		Legend Treatment	
\$ Line Item Total		r Natural	r Ink Blackened
		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item BA-44		r MDO Plywood r Cedar r Oak (Specify) _____	r Paint (Specify Color) _____ r Stain _____ r Unfinished _____
Sign No.	← FIFTEENMILE TR. NO. 456		
TD-3	← JCT. CEDAR CREEK TR. NO. 457 2 1/4	r Plastic _____ r Fiberglass _____ X Other (Specify) _____	r Artificial Weather _____ X Pre-drill Holes _____ r <i>Layout drawing and size to be approved prior to manufacture</i>
Est. Sq. Ft.	← FIFTEENMILE CG. 2 1/2	HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural _____ r Paint (Specify Color) _____	r Ink Blackened _____ r Scorched _____ r Other (Specify) _____
\$ Line Item Total			
Line Item BA-45		r MDO Plywood r Cedar r Oak (Specify) _____	r Paint (Specify Color) _____ r Stain _____ r Unfinished _____
Sign No.	↑ FIFTEENMILE TR. NO. 456		
TD-4	↑ JCT. ROAD 4421 3	r Plastic _____ r Fiberglass _____ X Other (Specify) _____	r Artificial Weather _____ X Pre-drill Holes _____ r <i>Layout drawing and size to be approved prior to manufacture</i>
Est. Sq. Ft.	CEDAR CREEK TR. NO. 457 → JCT. FIFTEENMILE TR. NO. 456 5 →	HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural _____ r Paint (Specify Color) _____	r Ink Blackened _____ r Scorched _____ r Other (Specify) _____
\$ Line Item Total			
Line Item BA-46		r MDO Plywood r Cedar r Oak (Specify) _____	r Paint (Specify Color) _____ r Stain _____ r Unfinished _____
Sign No.	↑ FIFTEENMILE TR. NO. 456 ↑ FIFTEENMILE CG. 5		
TD-4	← CEDAR CREEK TR. NO. 457	r Plastic _____ r Fiberglass _____ X Other (Specify) _____	r Artificial Weather _____ X Pre-drill Holes _____ r <i>Layout drawing and size to be approved prior to manufacture</i>
Est. Sq. Ft.	← JCT. FIFTEENMILE TR. NO. 456 5	HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural _____ r Paint (Specify Color) _____	r Ink Blackened _____ r Scorched _____ r Other (Specify) _____
\$ Line Item Total			
Line Item BA-47		r MDO Plywood r Cedar r Oak (Specify) _____	r Paint (Specify Color) _____ r Stain _____ r Unfinished _____
Sign No.	↑ FIFTEENMILE TR. NO. 456		
TD-3	↑ JCT. CEDAR CREEK TR. NO. 457 3	r Plastic _____ r Fiberglass _____ X Other (Specify) _____	r Artificial Weather _____ X Pre-drill Holes _____ r <i>Layout drawing and size to be approved prior to manufacture</i>
Est. Sq. Ft.	↑ FIFTEENMILE CG. 8	HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural _____ r Paint (Specify Color) _____	r Ink Blackened _____ r Scorched _____ r Other (Specify) _____
\$ Line Item Total			

Line Item				r MDO Plywood	r Paint (Specify Color)
BA-48				r Cedar	
Sign No.	FIFTEENMILE TR. NO. 456	→		r Oak (Specify)	r Stain
TD-3	JCT. LOOKOUT MTN. TR. NO. 450	3	→	r Plastic	r Unfinished
Est. Sq. Ft.	JCT. ROAD 44	5	→	r Fiberglass	r Artificial Weather
				X Other (Specify)	X Pre-drill Holes
				HDPE Routed Recycled Plastic	r <i>Layout drawing and size to be approved prior to manufacture</i>
Quantity/Unit Price				Legend Treatment	
1				r Natural	r Ink Blackened
\$ Line Item Total				r Paint (Specify Color)	r Scorched
					r Other (Specify)
Line Item				r MDO Plywood	r Paint (Specify Color)
BA-49				r Cedar	
Sign No.	↑ LOOKOUT MOUNTAIN TR. NO. 450			r Oak (Specify)	r Stain
TD-3	↑ JCT. FIFTEENMILE TR. NO. 456	1		r Plastic	r Unfinished
Est. Sq. Ft.	↑ JCT. ROAD 44	4		r Fiberglass	r Artificial Weather
				X Other (Specify)	X Pre-drill Holes
				HDPE Routed Recycled Plastic	r <i>Layout drawing and size to be approved prior to manufacture</i>
Quantity/Unit Price				Legend Treatment	
1				r Natural	r Ink Blackened
\$ Line Item Total				r Paint (Specify Color)	r Scorched
					r Other (Specify)
Line Item				r MDO Plywood	r Paint (Specify Color)
BA-50				r Cedar	
Sign No.	← LOOKOUT MTN. TR. NO. 450			r Oak (Specify)	r Stain
TD-4	← JCT. ROAD 44	2 1/2		r Plastic	r Unfinished
Est. Sq. Ft.	JCT. FIFTEENMILE TR. NO. 456	3	→	r Fiberglass	r Artificial Weather
	FIFTEENMILE CG.	3	→	X Other (Specify)	X Pre-drill Holes
				HDPE Routed Recycled Plastic	r <i>Layout drawing and size to be approved prior to manufacture</i>
Quantity/Unit Price				Legend Treatment	
1				r Natural	r Ink Blackened
\$ Line Item Total				r Paint (Specify Color)	r Scorched
					r Other (Specify)
Line Item				r MDO Plywood	r Paint (Specify Color)
BA-51				r Cedar	
Sign No.	↑ FIFTEENMILE TR. NO. 456			r Oak (Specify)	r Stain
TD-4	↑ FIFTEENMILE CG.	3		r Plastic	r Unfinished
Est. Sq. Ft.	LOOKOUT MTN. TR. NO. 450		→	r Fiberglass	r Artificial Weather
	JCT. ROAD 4420	1	→	X Other (Specify)	X Pre-drill Holes
				HDPE Routed Recycled Plastic	r <i>Layout drawing and size to be approved prior to manufacture</i>
Quantity/Unit Price				Legend Treatment	
1				r Natural	r Ink Blackened
\$ Line Item Total				r Paint (Specify Color)	r Scorched
					r Other (Specify)

Line Item			r MDO Plywood	r Paint (Specify Color)
BA-52	↑ LOOKOUT MTN. TR. NO. 450		r Cedar	_____
Sign No.	↑ JCT. FIFTEENMILE TR. NO. 456 2 1/2		r Oak (Specify)	r Stain
TD-4	↑ JCT. ROAD 4420 4		_____	r Unfinished
Est. Sq. Ft.	↑ FIFTEENMILE CG. 6		r Plastic	r Artificial Weather
			r Fiberglass	X Pre-drill Holes
			X Other (Specify)	r Layout drawing and size to be approved prior to manufacture
			HDPE Routed Recycled Plastic	
Quantity/Unit Price			Legend Treatment	
1			r Natural	r Ink Blackened
\$ Line Item Total			r Paint (Specify Color)	r Scorched
			_____	r Other (Specify)

Line Item			r MDO Plywood	r Paint (Specify Color)
BA-53	↑ KNEBAL SPRINGS TR. NO. 474 →		r Cedar	_____
Sign No.			r Oak (Specify)	r Stain
TD-1			_____	r Unfinished
Est. Sq. Ft.			r Plastic	r Artificial Weather
			r Fiberglass	X Pre-drill Holes
			X Other (Specify)	r Layout drawing and size to be approved prior to manufacture
			HDPE Routed Recycled Plastic	
Quantity/Unit Price			Legend Treatment	
1			r Natural	r Ink Blackened
\$ Line Item Total			r Paint (Specify Color)	r Scorched
			_____	r Other (Specify)

Line Item			r MDO Plywood	r Paint (Specify Color)
BA-54	KNEBAL SPRINGS TR. NO. 474 →		r Cedar	_____
Sign No.	← KNEBAL SPRINGS CG.		r Oak (Specify)	r Stain
TD-2			_____	r Unfinished
Est. Sq. Ft.			r Plastic	r Artificial Weather
			r Fiberglass	X Pre-drill Holes
			X Other (Specify)	r Layout drawing and size to be approved prior to manufacture
			HDPE Routed Recycled Plastic	
Quantity/Unit Price			Legend Treatment	
1			r Natural	r Ink Blackened
\$ Line Item Total			r Paint (Specify Color)	r Scorched
			_____	r Other (Specify)

Line Item			r MDO Plywood	r Paint (Specify Color)
BA-55	KNEBAL SPRING CAMPGROUND		r Cedar	_____
Sign No.			r Oak (Specify)	r Stain
TD-5	↑ KNEBAL SPRINGS TR. NO. 474 200 ft		_____	r Unfinished
Est. Sq. Ft.	↑ JCT. BOTTLE PRAIRIE TR. NO. 455 1 1/2		r Plastic	r Artificial Weather
	↑ JCT. EIGHT MILE LOOP TR. NO. 496 4 3/4		r Fiberglass	X Pre-drill Holes
	↑ JCT. ROAD 44 5 1/4		X Other (Specify)	r Layout drawing and size to be approved prior to manufacture
			HDPE Routed Recycled Plastic	
Quantity/Unit Price			Legend Treatment	
1			r Natural	r Ink Blackened
\$ Line Item Total			r Paint (Specify Color)	r Scorched
			_____	r Other (Specify)

Line Item BA-56	← KNEBAL SPRINGS TR. NO. 474 →	r MDO Plywood	r Paint (Specify Color)
Sign No.		r Cedar	_____
TD-2		r Oak (Specify)	r Stain
Est. Sq. Ft.		_____	r Unfinished
Quantity/Unit Price		r Plastic	r Artificial Weather
3		r Fiberglass	X Pre-drill Holes
\$ Line Item Total		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
		Legend Treatment	
		r Natural	r Ink Blackened
		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item BA-57	← KNEBAL SPRINGS TR. NO. 474	r MDO Plywood	r Paint (Specify Color)
Sign No.		r Cedar	_____
TD-2		r Oak (Specify)	r Stain
Est. Sq. Ft.		_____	r Unfinished
Quantity/Unit Price		r Plastic	r Artificial Weather
2		r Fiberglass	X Pre-drill Holes
\$ Line Item Total		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
		Legend Treatment	
		r Natural	r Ink Blackened
		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item BA-58	KNEBAL SPRINGS TR. NO. 474 →	r MDO Plywood	r Paint (Specify Color)
Sign No.		r Cedar	_____
TD-2		r Oak (Specify)	r Stain
Est. Sq. Ft.		_____	r Unfinished
Quantity/Unit Price		r Plastic	r Artificial Weather
1		r Fiberglass	X Pre-drill Holes
\$ Line Item Total		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
		Legend Treatment	
		r Natural	r Ink Blackened
		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item BA-59	KNEBAL SPRINGS TR. NO. 474 →	r MDO Plywood	r Paint (Specify Color)
Sign No.		r Cedar	_____
TD-2		r Oak (Specify)	r Stain
Est. Sq. Ft.		_____	r Unfinished
Quantity/Unit Price		r Plastic	r Artificial Weather
4		r Fiberglass	X Pre-drill Holes
\$ Line Item Total		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
		Legend Treatment	
		r Natural	r Ink Blackened
		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item		r MDO Plywood	r Paint (Specify Color)
BA-60		r Cedar	_____
Sign No.	← KNEBAL SPRINGS TR. NO. 474	r Oak (Specify)	r Stain
TD-1		_____	r Unfinished
Est. Sq. Ft.		r Plastic	r Artificial Weather
		r Fiberglass	X Pre-drill Holes
		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
4		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item		r MDO Plywood	r Paint (Specify Color)
BA-61		r Cedar	_____
Sign No.	↑ CRANE CREEK TR. NO. 478	r Oak (Specify)	r Stain
TD-2	HIDDEN MEADOWS TR. NO. 472 →	_____	r Unfinished
Est. Sq. Ft.		r Plastic	r Artificial Weather
		r Fiberglass	X Pre-drill Holes
		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item		r MDO Plywood	r Paint (Specify Color)
BA-62		r Cedar	_____
Sign No.	↑ EIGHTMILE LOOP TR. NO. 496	r Oak (Specify)	r Stain
TD-3	↑ JCT. BOTTLE PRAIRIE TR. NO. 455	_____	r Unfinished
Est. Sq. Ft.	↑ JCT. KNEBAL SPRINGS TR. NO. 474	r Plastic	r Artificial Weather
		r Fiberglass	X Pre-drill Holes
		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item		r MDO Plywood	r Paint (Specify Color)
BA-63		r Cedar	_____
Sign No.	← ROAD 4420 →	r Oak (Specify)	r Stain
TD-3	HIGH PRAIRIE 2 1/2 →	_____	r Unfinished
Est. Sq. Ft.	JCT. ROAD 4410 2 1/2 →	r Plastic	r Artificial Weather
		r Fiberglass	x Pre-drill Holes
		x Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Form FS-7100-63-1b

Clackamas River Ranger District ROUTED SIGN REQUISITION (Signs to be constructed in full compliance with Forest Service EM-7100-15)				TO BE COMPLETED BY A.S.			
				1. Purchase Order Number 356594			
Office Location Guide				5. Appropriation Code	6. Required Delivery Date		
2. Region 06	3. Forest 06	4. District		CRTR07	April 1, 2010		
7. Name & Address of Ordering Unit (Include Zip Code) Mt. Hood National Forest 16400 Champion Way, Sandy, OR 97055				8. Ship To (Include Zip Code) Clackamas River Ranger District 595 NW Industrial Way, Estacada, OR 97023			
9. For Technical Assistance Contact Jacquelyn Oakes				10. Telephone No. (503) 630-8815	11. Fax No. (503) 630-2299		
12. Sign Identification	13. Sign Message and Special Instructions			14. Materials & Finishing			
Line Item	Bull of the Woods TRAILHEAD			Substrate			
CR-1				r MDO Plywood		r Paint (Specify Color)	
Sign No.				r Cedar		r Stain	
RSE-A				r Oak (Specify)		r Unfinished	
Est. Sq. Ft.				r Plastic		r Artificial Weather	
Quantity/Unit Price				r Fiberglass		r Pre-drill Holes	
1				x Other (Specify)			
\$ Line Item Total				HDPE Routed Recycled Plastic			
				Legend Treatment			
				r Natural			
				r Paint (Specify Color)			
				r Ink Blackened			
				r Scorched			
				r Other (Specify)			
Line Item	Cripple Creek TRAILHEAD			r MDO Plywood			
CR-2				r Cedar		r Paint (Specify Color)	
Sign No.				r Oak (Specify)		r Stain	
RSE-A				r Plastic		r Unfinished	
Est. Sq. Ft.				r Fiberglass		r Artificial Weather	
Quantity/Unit Price				x Other (Specify)		r Pre-drill Holes	
1				HDPE Routed Recycled Plastic			
\$ Line Item Total				Legend Treatment			
				r Natural			
				r Paint (Specify Color)			
				r Ink Blackened			
				r Scorched			
				r Other (Specify)			

Line Item		r MDO Plywood	r Paint (Specify Color)
CR-3		r Cedar	_____
Sign No.	Memaloose Lake	r Oak (Specify)	r Stain
RSE-A	_____	_____	r Unfinished
Est. Sq. Ft.	TRAILHEAD	r Plastic	r Artificial Weather
		r Fiberglass	r Pre-drill Holes
		x Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item		r MDO Plywood	r Paint (Specify Color)
CR-4		r Cedar	_____
Sign No.	Old Baldy	r Oak (Specify)	r Stain
RSE-A	_____	_____	r Unfinished
Est. Sq. Ft.	TRAILHEAD	r Plastic	r Artificial Weather
		r Fiberglass	r Pre-drill Holes
		x Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item		r MDO Plywood	r Paint (Specify Color)
CR-5		r Cedar	_____
Sign No.	Frazier Turnaround	r Oak (Specify)	r Stain
RSE-A	_____	_____	r Unfinished
Est. Sq. Ft.	TRAILHEAD	r Plastic	r Artificial Weather
		r Fiberglass	r Pre-drill Holes
		x Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item		r MDO Plywood	r Paint (Specify Color)
CR-6		r Cedar	_____
Sign No.	Rimrock	r Oak (Specify)	r Stain
RSE-A	_____	_____	r Unfinished
Est. Sq. Ft.	TRAILHEAD	r Plastic	r Artificial Weather
		r Fiberglass	r Pre-drill Holes
		x Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item		r MDO Plywood	r Paint (Specify Color)
CR-7		r Cedar	
Sign No.	Shellrock Lake	r Oak (Specify)	r Stain
RSE-A			r Unfinished
Est. Sq. Ft.	TRAILHEAD	r Plastic	r Artificial Weather
		r Fiberglass	r Pre-drill Holes
		x Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
			r Other (Specify)
Line Item		r MDO Plywood	r Paint (Specify Color)
CR-8		r Cedar	
Sign No.	Dry Ridge	r Oak (Specify)	r Stain
RSE-A			r Unfinished
Est. Sq. Ft.	TRAILHEAD	r Plastic	r Artificial Weather
		r Fiberglass	r Pre-drill Holes
		x Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
			r Other (Specify)
Line Item		r MDO Plywood	r Paint (Specify Color)
CR-9		r Cedar	
Sign No.	Hillockburn	r Oak (Specify)	r Stain
RSE-A			r Unfinished
Est. Sq. Ft.	TRAILHEAD	r Plastic	r Artificial Weather
		r Fiberglass	r Pre-drill Holes
		x Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
			r Other (Specify)
Line Item		r MDO Plywood	r Paint (Specify Color)
CR-10		r Cedar	
Sign No.	Huxley Lake	r Oak (Specify)	r Stain
RSE-A			r Unfinished
Est. Sq. Ft.	TRAILHEAD	r Plastic	r Artificial Weather
		r Fiberglass	r Pre-drill Holes
		x Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
			r Other (Specify)

Line Item CR-11	Bagby Recreation Site TRAILHEAD	r MDO Plywood	r Paint (Specify Color)
Sign No.		r Cedar	r _____
RSE-B		r Oak (Specify)	r Stain
Est. Sq. Ft.		r Plastic	r Unfinished
Quantity/Unit Price		r Fiberglass	r Artificial Weather
2		x Other (Specify)	r Pre-drill Holes
\$ Line Item Total		HDPE Routed Recycled Plastic	r <i>Layout drawing and size to be approved prior to manufacture</i>
		Legend Treatment	
		r Natural	r Ink Blackened
		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item CR-12	↑ SHELLROCK LAKE TR. NO. 700	r MDO Plywood	r Paint (Specify Color)
Sign No.		r Cedar	r _____
TD-1		x Oak (Specify)	r Stain
Est. Sq. Ft.		r Plastic	x Unfinished
Quantity/Unit Price		r Fiberglass	r Artificial Weather
1		Other (Specify)	x Pre-drill Holes
\$ Line Item Total			r <i>Layout drawing and size to be approved prior to manufacture</i>
		Legend Treatment	
		r Natural	r Ink Blackened
		r Paint (Specify Color)	x Scorched
		_____	r Other (Specify)

Line Item CR-13	↑ BULL OF THE WOODS TR. NO. 550 ↑ BULL OF THE WOODS WILDERNESS 1/2	r MDO Plywood	r Paint (Specify Color)
Sign No.		r Cedar	r _____
TD-2		X Oak (Specify)	r Stain
Est. Sq. Ft.		r Plastic	X Unfinished
Quantity/Unit Price		r Fiberglass	r Artificial Weather
1		Other (Specify)	X Pre-drill Holes
\$ Line Item Total			r <i>Layout drawing and size to be approved prior to manufacture</i>
		Legend Treatment	
		r Natural	r Ink Blackened
		r Paint (Specify Color)	X Scorched
		_____	r Other (Specify)

Line Item CR-14	↑ GIBSON LAKE TR. NO. 708	r MDO Plywood	r Paint (Specify Color)
Sign No.		r Cedar	r _____
TD-1		r Oak (Specify)	r Stain
Est. Sq. Ft.		r Plastic	r Unfinished
Quantity/Unit Price		r Fiberglass	r Artificial Weather
1		x Other (Specify)	X Pre-drill Holes
\$ Line Item Total		HDPE Routed Recycled Plastic	r <i>Layout drawing and size to be approved prior to manufacture</i>
		Legend Treatment	
		r Natural	r Ink Blackened
		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item CR-15	↑ CORRAL SPRINGS TR. NO. 507	r MDO Plywood	r Paint (Specify Color)
Sign No.		r Cedar	_____
TD-1		X Oak (Specify)	r Stain
Est. Sq. Ft.		_____	X Unfinished
Quantity/Unit Price		r Plastic	r Artificial Weather
1		r Fiberglass	X Pre-drill Holes
\$ Line Item Total		Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		Legend Treatment	
		r Natural	r Ink Blackened
		r Paint (Specify Color)	X Scorched
		_____	r Other (Specify)

Line Item CR-16	↑ COTTONWOOD MEADOWS TR. NO. 705	r MDO Plywood	r Paint (Specify Color)
Sign No.		r Cedar	_____
TD-1		X Oak (Specify)	r Stain
Est. Sq. Ft.		_____	X Unfinished
Quantity/Unit Price		r Plastic	r Artificial Weather
1		r Fiberglass	X Pre-drill Holes
\$ Line Item Total		Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		Legend Treatment	
		r Natural	r Ink Blackened
		r Paint (Specify Color)	X Scorched
		_____	r Other (Specify)

Line Item CR-17	↑ CLACKAMAS RIVER TR. NO. 715	r MDO Plywood	r Paint (Specify Color)
Sign No.		r Cedar	_____
TD-1		X Oak (Specify)	r Stain
Est. Sq. Ft.		_____	X Unfinished
Quantity/Unit Price		r Plastic	r Artificial Weather
1		r Fiberglass	X Pre-drill Holes
\$ Line Item Total		Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		Legend Treatment	
		r Natural	r Ink Blackened
		r Paint (Specify Color)	X Scorched
		_____	r Other (Specify)

Line Item CR-18	↑ CRIPPLE CREEK TR. NO. 703	r MDO Plywood	r Paint (Specify Color)
Sign No.		r Cedar	_____
TD-1		X Oak (Specify)	r Stain
Est. Sq. Ft.		_____	X Unfinished
Quantity/Unit Price		r Plastic	r Artificial Weather
2		r Fiberglass	X Pre-drill Holes
\$ Line Item Total		Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		Legend Treatment	
		r Natural	r Ink Blackened
		r Paint (Specify Color)	X Scorched
		_____	r Other (Specify)

Line Item CR-19	↑ CACHE MEADOW TR. NO. 702	r MDO Plywood	r Paint (Specify Color)
Sign No.		r Cedar	_____
TD-1		X Oak (Specify)	r Stain
Est. Sq. Ft.		_____	X Unfinished
Quantity/Unit Price		r Plastic	r Artificial Weather
2		r Fiberglass	X Pre-drill Holes
\$ Line Item Total		Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		Legend Treatment	
		r Natural	r Ink Blackened
		r Paint (Specify Color)	X Scorched
		_____	r Other (Specify)

Line Item CR-20	↑ SHELLROCK LAKE TR. NO. 700	r MDO Plywood	r Paint (Specify Color)
Sign No.		r Cedar	_____
TD-1		X Oak (Specify)	r Stain
Est. Sq. Ft.		_____	X Unfinished
Quantity/Unit Price		r Plastic	r Artificial Weather
2		r Fiberglass	X Pre-drill Holes
\$ Line Item Total		Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		Legend Treatment	
		r Natural	r Ink Blackened
		r Paint (Specify Color)	X Scorched
		_____	r Other (Specify)

Line Item CR-21	↑ DRY RIDGE TR. NO. 518	r MDO Plywood	r Paint (Specify Color)
Sign No.		r Cedar	_____
TD-1		X Oak (Specify)	r Stain
Est. Sq. Ft.		_____	X Unfinished
Quantity/Unit Price		r Plastic	r Artificial Weather
1		r Fiberglass	X Pre-drill Holes
\$ Line Item Total		Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		Legend Treatment	
		r Natural	r Ink Blackened
		r Paint (Specify Color)	X Scorched
		_____	r Other (Specify)

Line Item CR-22	↑ GROUSE POINT TR. NO. 517	r MDO Plywood	r Paint (Specify Color)
Sign No.		r Cedar	_____
TD-1		X Oak (Specify)	r Stain
Est. Sq. Ft.		_____	X Unfinished
Quantity/Unit Price		r Plastic	r Artificial Weather
2		r Fiberglass	X Pre-drill Holes
\$ Line Item Total		Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		Legend Treatment	
		r Natural	r Ink Blackened
		r Paint (Specify Color)	X Scorched
		_____	r Other (Specify)

Line Item CR-23	↑ HILLOCKBURN TR. NO. 516	r MDO Plywood	r Paint (Specify Color)
Sign No.		r Cedar	_____
TD-1		X Oak (Specify)	r Stain
Est. Sq. Ft.		_____	X Unfinished
Quantity/Unit Price		r Plastic	r Artificial Weather
1		r Fiberglass	X Pre-drill Holes
\$ Line Item Total		Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		Legend Treatment	
		r Natural	r Ink Blackened
		r Paint (Specify Color)	X Scorched
		_____	r Other (Specify)

Line Item CR-24	↑ HUXLEY LAKE TR. NO. 521	r MDO Plywood	r Paint (Specify Color)
Sign No.		r Cedar	_____
TD-1		X Oak (Specify)	r Stain
Est. Sq. Ft.		_____	X Unfinished
Quantity/Unit Price		r Plastic	r Artificial Weather
2		r Fiberglass	X Pre-drill Holes
\$ Line Item Total		Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		Legend Treatment	
		r Natural	r Ink Blackened
		r Paint (Specify Color)	X Scorched
		_____	r Other (Specify)

Line Item CR-25	↑ LODGEPOLE TR. NO. 706 ↑ JCT. RUSS LAKE TR. NO. 716 1/4	r MDO Plywood	r Paint (Specify Color)
Sign No.		r Cedar	_____
TD-2		r Oak (Specify)	r Stain
Est. Sq. Ft.		_____	r Unfinished
Quantity/Unit Price		r Plastic	r Artificial Weather
1		r Fiberglass	X Pre-drill Holes
\$ Line Item Total		x Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
		Legend Treatment	
		r Natural	r Ink Blackened
		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item CR-26	← LODGEPOLE TR. NO. 706 →	r MDO Plywood	r Paint (Specify Color)
Sign No.		r Cedar	_____
TD-1		r Oak (Specify)	r Stain
Est. Sq. Ft.		_____	r Unfinished
Quantity/Unit Price		r Plastic	r Artificial Weather
5		r Fiberglass	X Pre-drill Holes
\$ Line Item Total		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
		Legend Treatment	
		r Natural	r Ink Blackened
		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item CR-27	↑ MEMALOOSE LAKE TR. NO. 515	r MDO Plywood	r Paint (Specify Color)
Sign No.		r Cedar	_____
TD-1		X Oak (Specify)	r Stain
Est. Sq. Ft.		_____	X Unfinished
Quantity/Unit Price		r Plastic	r Artificial Weather
2		r Fiberglass	X Pre-drill Holes
\$ Line Item Total		Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		Legend Treatment	
		r Natural	r Ink Blackened
		r Paint (Specify Color)	X Scorched
		_____	r Other (Specify)

Line Item CR-28	↑ OLD BALDY TR. NO. 502	r MDO Plywood	r Paint (Specify Color)
Sign No.		r Cedar	_____
TD-1		X Oak (Specify)	r Stain
Est. Sq. Ft.		_____	X Unfinished
Quantity/Unit Price		r Plastic	r Artificial Weather
2		r Fiberglass	X Pre-drill Holes
\$ Line Item Total		Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		Legend Treatment	
		r Natural	r Ink Blackened
		r Paint (Specify Color)	X Scorched
		_____	r Other (Specify)

Line Item CR-29	↑ PYRAMID LAKE TR. NO. 727	r MDO Plywood	r Paint (Specify Color)
Sign No.		r Cedar	_____
TD-1		X Oak (Specify)	r Stain
Est. Sq. Ft.		_____	X Unfinished
Quantity/Unit Price		r Plastic	r Artificial Weather
1		r Fiberglass	X Pre-drill Holes
\$ Line Item Total		Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		Legend Treatment	
		r Natural	r Ink Blackened
		r Paint (Specify Color)	X Scorched
		_____	r Other (Specify)

Line Item	↑ RED LAKE TR. NO. 719	r MDO Plywood	r Paint (Specify Color)
CR-30		r Cedar	_____
Sign No.		r Oak (Specify)	r Stain
TD-1		_____	r Unfinished
Est. Sq. Ft.		r Plastic	r Artificial Weather
		r Fiberglass	X Pre-drill Holes
		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
4		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item	↑ RHO RIDGE TR. NO. 564	r MDO Plywood	r Paint (Specify Color)
CR-31		r Cedar	_____
Sign No.		Oak (Specify)	r Stain
TD-1		_____	Unfinished
Est. Sq. Ft.		r Plastic	r Artificial Weather
		r Fiberglass	X Pre-drill Holes
		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
4		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	Scorched
		_____	r Other (Specify)

Line Item	↑ RHO CREEK TR. NO. 569	r MDO Plywood	r Paint (Specify Color)
CR-32		r Cedar	_____
Sign No.		Oak (Specify)	r Stain
TD-1		_____	Unfinished
Est. Sq. Ft.		r Plastic	r Artificial Weather
		r Fiberglass	X Pre-drill Holes
		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
		HDPE Routed Recycled Plastic	
Quantity/Unit Price		Legend Treatment	
2		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	Scorched
		_____	r Other (Specify)

Line Item	↑ RIMROCK TR. NO. 704	r MDO Plywood	r Paint (Specify Color)
CR-33		r Cedar	_____
Sign No.		X Oak (Specify)	r Stain
TD-1		_____	X Unfinished
Est. Sq. Ft.		r Plastic	r Artificial Weather
		r Fiberglass	X Pre-drill Holes
		Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	X Scorched
		_____	r Other (Specify)

Line Item	↑ SERENE LAKE TR. NO. 512	r MDO Plywood	r Paint (Specify Color)
CR-34		r Cedar	_____
Sign No.		X Oak (Specify)	r Stain
TD-1		_____	X Unfinished
Est. Sq. Ft.		r Plastic	r Artificial Weather
Quantity/Unit Price		r Fiberglass	X Pre-drill Holes
2		Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
\$ Line Item Total			
Line Item	↑ SHINING LAKE TR. NO. 510	Legend Treatment	
CR-35		r Natural	r Ink Blackened
Sign No.		r Paint (Specify Color)	X Scorched
TD-1		_____	r Other (Specify)
Est. Sq. Ft.			_____
Quantity/Unit Price			
1			
\$ Line Item Total			
Line Item	↑ THUNDER MOUNTAIN TR. NO. 543	r MDO Plywood	r Paint (Specify Color)
CR-36		r Cedar	_____
Sign No.		r Oak (Specify)	r Stain
TD-1		_____	r Unfinished
Est. Sq. Ft.		r Plastic	r Artificial Weather
Quantity/Unit Price		r Fiberglass	X Pre-drill Holes
1		x Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
\$ Line Item Total		HDPE Routed Recycled Plastic	
Line Item	↑ SKOOKUM LAKE TR. NO. 542	Legend Treatment	
CR-37		r Natural	r Ink Blackened
Sign No.		r Paint (Specify Color)	r Scorched
TD-1		_____	r Other (Specify)
Est. Sq. Ft.			_____
Quantity/Unit Price			
2			
\$ Line Item Total			

Line Item	↑ HAWK MOUNTAIN TR. NO. 564A	r MDO Plywood	r Paint (Specify Color)
CR-38		r Cedar	r Stain
Sign No.		Oak (Specify)	Unfinished
TD-1		r Plastic	r Artificial Weather
Est. Sq. Ft.		r Fiberglass	X Pre-drill Holes
Quantity/Unit Price		X Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
1		HDPE Routed Recycled Plastic	
\$ Line Item Total		Legend Treatment	
		r Natural	r Ink Blackened
		r Paint (Specify Color)	r Scorched
			r Other (Specify)

Form FS-7100-63-1b

Hood River Ranger District ROUTED SIGN REQUISITION (Signs to be constructed in full compliance with Forest Service EM-7100-15)			TO BE COMPLETED BY A.S.	
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Office Location Guide			5. Appropriation Code	6. Required Delivery Date
2. Region 06	3. Forest 06	4. District	CRTR07	April 1, 2010
7. Name & Address of Ordering Unit (Include Zip Code) Mt. Hood National Forest 16400 Champion Way, Sandy, OR 97055			8. Ship To (Include Zip Code) Hood River Ranger District 6780 Hwy. 35, Parkdale, OR 97041	
9. For Technical Assistance Contact Susan Brun			10. Telephone No. (541) 352-7003 X685	11. Fax No. (541) 352-7365
12. Sign Identification	13. Sign Message and Special Instructions		14. Materials & Finishing	
Line Item	Elk Meadows and Sahalie Falls TRAILHEAD		Substrate	
HR-1			Finish & Misc.	
Sign No.			r MDO Plywood	
RSE-B			r Cedar	
Est. Sq. Ft.			r Oak (Specify)	
Quantity/Unit Price			r Stain	
1			r Unfinished	
\$ Line Item Total			r Artificial Weather	
			Pre-drill Holes	
			r <i>Layout drawing and size to be approved prior to manufacture</i>	
			Legend Treatment	
			r Natural	
			r Ink Blackened	
			r Paint (Specify Color)	
			r Scorched	
			r Other (Specify)	

Line Item		r MDO Plywood	r Paint (Specify Color)
HR-2		r Cedar	_____
Sign No.	Tamanawas Falls	r Oak (Specify)	r Stain
RSE-B	_____	_____	r Unfinished
Est. Sq. Ft.	TRAILHEAD	r Plastic	r Artificial Weather
		r Fiberglass	Pre-drill Holes
		x Other (Specify)	r <i>Layout drawing and size</i>
		HDPE Routed Recycled	<i>to be approved prior to</i>
		Plastic	<i>manufacture</i>
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item		r MDO Plywood	r Paint (Specify Color)
HR-3		r Cedar	_____
Sign No.	Polallie	r Oak (Specify)	r Stain
RSE-B	_____	_____	r Unfinished
Est. Sq. Ft.	TRAILHEAD	r Plastic	r Artificial Weather
		r Fiberglass	Pre-drill Holes
		x Other (Specify)	r <i>Layout drawing and size</i>
		HDPE Routed Recycled	<i>to be approved prior to</i>
		Plastic	<i>manufacture</i>
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item		r MDO Plywood	r Paint (Specify Color)
HR-4		r Cedar	_____
Sign No.	Pacific Crest	r Oak (Specify)	r Stain
RSE-B	_____	_____	r Unfinished
Est. Sq. Ft.	TRAILHEAD	r Plastic	r Artificial Weather
		r Fiberglass	Pre-drill Holes
		x Other (Specify)	r <i>Layout drawing and size</i>
		HDPE Routed Recycled	<i>to be approved prior to</i>
		Plastic	<i>manufacture</i>
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	r Scorched
		_____	r Other (Specify)

Line Item		r MDO Plywood	r Paint (Specify Color)
HR-5		r Cedar	_____
Sign No.	← ELK MEADOWS TR. NO. 645 →	X Oak (Specify)	r Stain
TD-3	← ELK MEADOWS	_____	X Unfinished
Est. Sq. Ft.	TRAILHEAD →	r Plastic	r Artificial Weather
		r Fiberglass	x Pre-drill Holes
		Other (Specify)	r <i>Layout drawing and size</i>
			<i>to be approved prior to</i>
			<i>manufacture</i>
Quantity/Unit Price		Legend Treatment	
1		r Natural	r Ink Blackened
\$ Line Item Total		r Paint (Specify Color)	X Scorched
		_____	r Other (Specify)

Line Item HR-6		r MDO Plywood r Cedar X Oak (Specify) _____	r Paint (Specify Color) _____ r Stain _____ X Unfinished
Sign No. TD-3	↑ ELK MEADOWS TR. NO. 645 ↑ JCT. UMBRELLA FALLS TR. NO. 667 1/4	r Plastic _____ r Fiberglass _____ Other (Specify) _____	r Artificial Weather x Pre-drill Holes r <i>Layout drawing and size to be approved prior to manufacture</i>
Est. Sq. Ft.	↑ ELK MEADOWS 2 1/2		
Quantity/Unit Price 1		Legend Treatment r Natural r Paint (Specify Color) _____	r Ink Blackened X Scorched r Other (Specify) _____
\$ Line Item Total			
Line Item HR-7		r MDO Plywood r Cedar x Oak (Specify) _____	r Paint (Specify Color) _____ r Stain _____ X Unfinished
Sign No. TD-2	↑ SAHALIE FALLS TR. NO. 667C ↑ SAHALIE FALLS 1	r Plastic _____ r Fiberglass _____ Other (Specify) _____	r Artificial Weather x Pre-drill Holes r <i>Layout drawing and size to be approved prior to manufacture</i>
Est. Sq. Ft.			
Quantity/Unit Price 1		Legend Treatment r Natural r Paint (Specify Color) _____	r Ink Blackened X Scorched r Other (Specify) _____
\$ Line Item Total			
Line Item HR-8		r MDO Plywood r Cedar X Oak (Specify) _____	r Paint (Specify Color) _____ r Stain _____ X Unfinished
Sign No. TD-2	← UMBRELLA FALLS TR. NO. 667 → ← UMBRELLA FALLS 1/4	r Plastic _____ r Fiberglass _____ Other (Specify) _____	r Artificial Weather x Pre-drill Holes r <i>Layout drawing and size to be approved prior to manufacture</i>
Est. Sq. Ft.			
Quantity/Unit Price 1		Legend Treatment r Natural r Paint (Specify Color) _____	r Ink Blackened X Scorched r Other (Specify) _____
\$ Line Item Total			
Line Item HR-9		r MDO Plywood r Cedar X Oak (Specify) _____	r Paint (Specify Color) _____ r Stain _____ X Unfinished
Sign No. TD-2	↑ UMBRELLA FALLS TR. NO. 667 ↑ JCT. ROAD 3555 1	r Plastic _____ r Fiberglass _____ Other (Specify) _____	r Artificial Weather x Pre-drill Holes r <i>Layout drawing and size to be approved prior to manufacture</i>
Est. Sq. Ft.			
Quantity/Unit Price 1		Legend Treatment r Natural r Paint (Specify Color) _____	r Ink Blackened X Scorched r Other (Specify) _____
\$ Line Item Total			

Line Item HR-10		r MDO Plywood r Cedar x Oak (Specify) _____	r Paint (Specify Color) _____ r Stain _____ X Unfinished
Sign No. TD-2	↑ SAHALIE FALLS TR. NO. 667C ↑ SAHALIE FALLS 1/2	r Plastic r Fiberglass Other (Specify) _____	r Artificial Weather x Pre-drill Holes r <i>Layout drawing and size to be approved prior to manufacture</i>
Est. Sq. Ft.			
Quantity/Unit Price 1		Legend Treatment r Natural r Paint (Specify Color) _____	r Ink Blackened X Scorched r Other (Specify) _____
\$ Line Item Total			
Line Item HR-11		r MDO Plywood r Cedar X Oak (Specify) _____	r Paint (Specify Color) _____ r Stain _____ X Unfinished
Sign No. TD-3	← TILLY JANE TR. NO. 643 → ← TILLY JANE 2 JCT. ROAD 3512 1/2 →	r Plastic r Fiberglass Other (Specify) _____	r Artificial Weather x Pre-drill Holes r <i>Layout drawing and size to be approved prior to manufacture</i>
Est. Sq. Ft.			
Quantity/Unit Price 1		Legend Treatment r Natural r Paint (Specify Color) _____	r Ink Blackened X Scorched r Other (Specify) _____
\$ Line Item Total			
Line Item HR-12		r MDO Plywood r Cedar X Oak (Specify) _____	r Paint (Specify Color) _____ r Stain _____ X Unfinished
Sign No. TD-3	↑ WAHTUM LAKE TR. NO. 406H ↑ JCT. PACIFIC CREST TR. NO. 2000 1/4 ↑ JCT. EAGLE CREEK TR. NO. 440 1/2	r Plastic r Fiberglass Other (Specify) _____	r Artificial Weather x Pre-drill Holes r <i>Layout drawing and size to be approved prior to manufacture</i>
Est. Sq. Ft.			
Quantity/Unit Price 1		Legend Treatment r Natural r Paint (Specify Color) _____	r Ink Blackened X Scorched r Other (Specify) _____
\$ Line Item Total			
Line Item HR-13		r MDO Plywood r Cedar x Oak (Specify) _____	r Paint (Specify Color) _____ r Stain _____ X Unfinished
Sign No. TD-2	← UMBRELLA FALLS TR. NO. 667 ← UMBRELLA FALLS 1 1/2	r Plastic r Fiberglass Other (Specify) _____	r Artificial Weather x Pre-drill Holes r <i>Layout drawing and size to be approved prior to manufacture</i>
Est. Sq. Ft.			
Quantity/Unit Price 1		Legend Treatment r Natural r Paint (Specify Color) _____	r Ink Blackened X Scorched r Other (Specify) _____
\$ Line Item Total			

Line Item		r MDO Plywood	r Paint (Specify Color)
HR-14		r Cedar	_____
Sign No.	← ELK MEADOWS TR. NO. 645 →	X Oak (Specify)	r Stain
TD-3	← ELK MEADOWS 2 1/4	_____	X Unfinished
Est. Sq. Ft.	JCT. ROAD 3545 1/4 →	r Plastic	r Artificial Weather
Quantity/Unit Price		r Fiberglass	x Pre-drill Holes
1		Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
\$ Line Item Total		Legend Treatment	
		r Natural	r Ink Blackened
		r Paint (Specify Color)	X Scorched
		_____	r Other (Specify)

Line Item		r MDO Plywood	r Paint (Specify Color)
HR-15		r Cedar	_____
Sign No.	← TIMBERLINE TR. NO. 600 →	X Oak (Specify)	r Stain
TD-3	← CLOUD CAP	_____	X Unfinished
Est. Sq. Ft.	JCT. PINNACLE RIDGE TR. NO. 630 →	r Plastic	r Artificial Weather
Quantity/Unit Price		r Fiberglass	x Pre-drill Holes
1		Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
\$ Line Item Total		Legend Treatment	
		r Natural	r Ink Blackened
		r Paint (Specify Color)	X Scorched
		_____	r Other (Specify)

Line Item		r MDO Plywood	r Paint (Specify Color)
HR-16		r Cedar	_____
Sign No.	↑ MCGEE CREEK TR. NO. 627	x Oak (Specify)	r Stain
TD-2	↑ JCT. TIMBERLINE TR. NO. 600 1 1/4	_____	X Unfinished
Est. Sq. Ft.		r Plastic	r Artificial Weather
Quantity/Unit Price		r Fiberglass	x Pre-drill Holes
1		Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
\$ Line Item Total		Legend Treatment	
		r Natural	r Ink Blackened
		r Paint (Specify Color)	X Scorched
		_____	r Other (Specify)

Line Item		r MDO Plywood	r Paint (Specify Color)
HR-17		r Cedar	_____
Sign No.	↑ ELK MEADOWS BLUEGRASS TIE TR. NO. 647B	X Oak (Specify)	r Stain
TD-3	↑ ELK MEADOWS	_____	X Unfinished
Est. Sq. Ft.	← ELK MOUNTAIN	r Plastic	r Artificial Weather
Quantity/Unit Price		r Fiberglass	x Pre-drill Holes
1		Other (Specify)	r <i>Layout drawing and size to be approved prior to manufacture</i>
\$ Line Item Total		Legend Treatment	
		r Natural	r Ink Blackened
		r Paint (Specify Color)	X Scorched
		_____	r Other (Specify)

Line Item HR-18	↑ LAMBERSON SPUR TR. NO. 644 ↑ TRAIL ENDS 3	r MDO Plywood r Cedar X Oak (Specify) _____ r Plastic r Fiberglass Other (Specify) _____	r Paint (Specify Color) _____ r Stain X Unfinished r Artificial Weather x Pre-drill Holes r <i>Layout drawing and size to be approved prior to manufacture</i>
Sign No.			
TD-2			
Est. Sq. Ft.			
Quantity/Unit Price 1			
\$ Line Item Total			
Line Item HR-19	← ELK MEADOWS TR. NO. 645 → ← POLALLIE TRAILHEAD 2 JCT. BLUEGRASS RIDGE TR. NO. 647 1/4 → ELK MEADOWS 4 →	r MDO Plywood r Cedar x Oak (Specify) _____ r Plastic r Fiberglass Other (Specify) _____	r Paint (Specify Color) _____ r Stain X Unfinished r Artificial Weather x Pre-drill Holes r <i>Layout drawing and size to be approved prior to manufacture</i>
Sign No.			
TD-4			
Est. Sq. Ft.			
Quantity/Unit Price 1			
\$ Line Item Total			
Line Item HR-20	↑ FROG LAKE BUTTE TR. NO. 484 ↑ FROG LAKE BUTTE 2	r MDO Plywood r Cedar X Oak (Specify) _____ r Plastic r Fiberglass Other (Specify) _____	r Paint (Specify Color) _____ r Stain X Unfinished r Artificial Weather x Pre-drill Holes r <i>Layout drawing and size to be approved prior to manufacture</i>
Sign No.			
TD-2			
Est. Sq. Ft.			
Quantity/Unit Price 1			
\$ Line Item Total			
Line Item HR-21	↑ LOWER TWIN LAKE TR. NO. 532	r MDO Plywood r Cedar X Oak (Specify) _____ r Plastic r Fiberglass Other (Specify) _____	r Paint (Specify Color) _____ r Stain X Unfinished r Artificial Weather x Pre-drill Holes r <i>Layout drawing and size to be approved prior to manufacture</i>
Sign No.			
TD-1			
Est. Sq. Ft.			
Quantity/Unit Price 1			
\$ Line Item Total			

Line Item HR-22		☐ MDO Plywood ☐ Cedar ☒ Oak (Specify) _____	☐ Paint (Specify Color) _____ ☐ Stain _____ ☒ Unfinished
Sign No.	↑ FROG LAKE BUTTE TR. NO. 484		
TD-4	← TWIN LAKES TR. NO. 495 →	☐ Plastic ☐ Fiberglass Other (Specify) _____	☐ Artificial Weather ☒ Pre-drill Holes ☐ Layout drawing and size to be approved prior to manufacture
Est. Sq. Ft.	← UPPER TWIN LAKE 1 ← BARLOW PASS 4		
Quantity/Unit Price		Legend Treatment ☐ Natural ☐ Paint (Specify Color) _____ ☐ Ink Blackened ☒ Scorched ☐ Other (Specify) _____	
1			
\$ Line Item Total			
Line Item HR-23		☐ MDO Plywood ☐ Cedar ☒ Oak (Specify) _____	☐ Paint (Specify Color) _____ ☐ Stain _____ ☒ Unfinished
Sign No.	↑ FROG LAKE BUTTE TR. NO. 484		
TD-2	↑ LOWER TWIN LAKE 2	☐ Plastic ☐ Fiberglass Other (Specify) _____	☐ Artificial Weather ☒ Pre-drill Holes ☐ Layout drawing and size to be approved prior to manufacture
Est. Sq. Ft.			
Quantity/Unit Price		Legend Treatment ☐ Natural ☐ Paint (Specify Color) _____ ☐ Ink Blackened ☒ Scorched ☐ Other (Specify) _____	
1			
\$ Line Item Total			
Line Item HR-24		☐ MDO Plywood ☐ Cedar ☒ Oak (Specify) _____	☐ Paint (Specify Color) _____ ☐ Stain _____ ☒ Unfinished
Sign No.	← FROG LAKE BUTTE TR. NO. 484 →		
TD-3	← LOWER TWIN LAKE 1 1/2	☐ Plastic ☐ Fiberglass Other (Specify) _____	☐ Artificial Weather ☒ Pre-drill Holes ☐ Layout drawing and size to be approved prior to manufacture
Est. Sq. Ft.	FROG LAKE BUTTE 1/2 →		
Quantity/Unit Price		Legend Treatment ☐ Natural ☐ Paint (Specify Color) _____ ☐ Ink Blackened ☒ Scorched ☐ Other (Specify) _____	
1			
\$ Line Item Total			

Form FS-7100-63-1b

ZIGZAG Ranger District ROUTED SIGN REQUISITION (Signs to be constructed in full compliance with Forest Service EM-7100-15)			TO BE COMPLETED BY A.S.	
Office Location Codes			1. Purchase Order Number 356594	
2. Region 06	3. Forest 06	4. District	5. Appropriation Code CRTR07	6. Required Delivery Date April 1, 2010
7. Name and Address of Ordering Unit (Include Zip Code) Mt. Hood National Forest, 16400 Champion Way, Sandy, OR 97055			8. Ship To (Include Zip Code) Zigzag Ranger District, 70220 E. Hwy 26, Zigzag, OR 97049	
9. For Technical Assistance Contact McKenzie Jensen			10. Telephone No. 503/668-8629	11. FAX Telephone No. 503/622-3056
12. Sign Identification	13. Sign Message and Special Instructions		14. Material SUBSTRATE FINISH AND MISC.	
Line Item 77-1	↑ RAMONA FALLS TRAILHEAD RILEY HORSE CAMP → SANDY RIVER TRAILHEAD → CAST CREEK TRAILHEAD → HORSESHOE RIDGE TRAILHEAD →		REFLECTORIZED SIGN	
Sign No FRD			☐ HDG Plywood ☐ 100% Heat Act ☒ Aluminum ☒ Edge Tane ☐ Fiberglass ☐ Other Use 3" letters	
Est. Sq. Ft. 21			ROUTED WOOD SIGN	
Quantity 1			☐ HDG Plywood ☐ Paint ☐ Redwood ☐ Stain ☐ Cedar ☐ Unfinished ☐ Oak ☐ Artificial Weather ☐ Other	
Unit Price \$				
Item Total \$				
Line Item 77-2	← RAMONA FALLS TRAILHEAD LOST CREEK CAMPGROUND → BURNT LAKE TRAILHEAD →		REFLECTORIZED SIGN	
Sign No FRD			☐ HDG Plywood ☐ 100% Heat Act ☒ Aluminum ☒ Edge Tane ☐ Fiberglass ☐ Other Use 3" letters	
Est. Sq. Ft. 13			ROUTED WOOD SIGN	
Quantity 1			☐ HDG Plywood ☐ Paint ☐ Redwood ☐ Stain ☐ Cedar ☐ Unfinished ☐ Oak ☐ Artificial Weather ☐ Other	
Unit Price \$				
Item Total \$				
Line Item 77-3	↑ BURNT LAKE TRAILHEAD		REFLECTORIZED SIGN	
Sign No FRD			☐ HDG Plywood ☐ 100% Heat Act ☒ Aluminum ☒ Edge Tane ☐ Fiberglass ☐ Other Use 3" letters	
Est. Sq. Ft. 5			ROUTED WOOD SIGN	
Quantity 1			☐ HDG Plywood ☐ Paint ☐ Redwood ☐ Stain ☐ Cedar ☐ Unfinished ☐ Oak ☐ Artificial Weather ☐ Other	
Unit Price \$				
Item Total \$				

Line Item 77-4		REFLECTORIZED SIGN
Sign No ERD		☐ HDG Plywood ☐ 100% Heat Act ☒ Aluminum ☒ Edge Tane ☐ Fiberglass ☐ Other Use 3" letters
Est. Sn. Ft 5		ROUTED WOOD SIGN
Quantity 1	↑ TOP SPUR TRAILHEAD	☐ HDG Plywood ☐ Paint ☐ Redwood ☐ Stain ☐ Cedar ☐ Unfinished ☐ Oak ☐ Artificial Weather ☐ Other
Unit Price \$		
Item Total \$		
Line Item 77-5		REFLECTORIZED SIGN
Sign No TD-2		☐ HDG Plywood ☐ 100% Heat Act ☐ Aluminum ☐ Edge Tane ☐ Fiberglass ☐ Other
Est. Sn. Ft	← Viewpoint	ROUTED WOOD SIGN
Quantity 1	Highway 26 →	☐ HDG Plywood ☐ Paint ☐ Redwood ☐ Stain ☐ Cedar ☒ Unfinished ☒ Oak ☐ Artificial Weather ☐ Other Scorched letters: predrill
Unit Price \$		
Item Total \$		
Line Item 77-6		REFLECTORIZED SIGN
Sign No TD-2		☐ HDG Plywood ☐ 100% Heat Act ☐ Aluminum ☐ Edge Tane ☐ Fiberglass ☐ Other
Est. Sn. Ft	↑ MIRROR LAKE TR. NO. 664	ROUTED WOOD SIGN
Quantity 1	← MIRROR LAKE LOOP ↑	☐ HDG Plywood ☐ Paint ☐ Redwood ☐ Stain ☐ Cedar ☒ Unfinished ☒ Oak ☐ Artificial Weather ☐ Other Scorched letters: predrill
Unit Price \$	↑ TOM DICK AND HARRY MTN.	
Item Total \$		
Line Item 77-7		REFLECTORIZED SIGN
Sign No TD-2		☐ HDG Plywood ☐ 100% Heat Act ☐ Aluminum ☐ Edge Tane ☐ Fiberglass ☐ Other
Est. Sn. Ft	← MIRROR LAKE TR. NO. 664 →	ROUTED WOOD SIGN
Quantity 1	↑ MIRROR LAKE LOOP	☐ HDG Plywood ☐ Paint ☐ Redwood ☐ Stain ☐ Cedar ☒ Unfinished ☒ Oak ☐ Artificial Weather ☐ Other Scorched letters: predrill
Unit Price \$	TOM DICK AND HARRY MTN. →	
Item Total \$		
Line Item 77-8		REFLECTORIZED SIGN
Sign No ERD		☐ HDG Plywood ☐ 100% Heat Act ☒ Aluminum ☒ Edge Tane ☐ Fiberglass ☐ Other Use 3" letters
Est. Sn. Ft 22	CAMPGROUNDS 	ROUTED WOOD SIGN
Quantity 1	TRAILHEADS 	☐ HDG Plywood ☐ Paint ☐ Redwood ☐ Stain ☐ Cedar ☐ Unfinished ☐ Oak ☐ Artificial Weather ☐ Other
Unit Price \$		
Item Total \$		

Line Item 77-9	↑ TOP SPUR TRAILHEAD 7	REFLECTORIZED SIGN	
Sign No ERD		☐ HDO Plywood	☐ 100% Heat Act. Material
Est. Sq. Ft. 5		☒ Aluminum	☒ Edge Tane
Quantity 1		☐ Fiberglass	
Unit Price \$		☐ Other	Use 3" letters
Item Total \$		ROUTED WOOD SIGN	
Line Item 77-10	↑ TIMBERLINE TR. NO. 600 ↑ JCT. PACIFIC CREST TR. NO. 2000	REFLECTORIZED SIGN	
Sign No TD-2		☐ HDO Plywood	☐ 100% Heat Act. Material
Est. Sq. Ft.		☐ Aluminum	☐ Edge Tane
Quantity 5		☐ Fiberglass	
Unit Price \$		☐ Other	
Item Total \$		ROUTED WOOD SIGN	
Line Item 77-11	↑ MOUNTAINEER TR. NO. 798	REFLECTORIZED SIGN	
Sign No TD-1		☐ HDO Plywood	☐ 100% Heat Act. Material
Est. Sq. Ft.		☐ Aluminum	☐ Edge Tane
Quantity 1		☐ Fiberglass	
Unit Price \$		☐ Other	
Item Total \$		ROUTED WOOD SIGN	
Line Item 77-12	← TIMBERLINE TR. NO. 600 →	REFLECTORIZED SIGN	
Sign No TD-1		☐ HDO Plywood	☐ 100% Heat Act. Material
Est. Sq. Ft.		☐ Aluminum	☐ Edge Tane
Quantity 1		☐ Fiberglass	
Unit Price \$		☐ Other	
Item Total \$		ROUTED WOOD SIGN	
Line Item 77-13	← ZIGZAG MOUNTAIN TR. NO. 775 →	REFLECTORIZED SIGN	
Sign No TD-1		☐ HDO Plywood	☐ 100% Heat Act. Material
Est. Sq. Ft.		☐ Aluminum	☐ Edge Tane
Quantity 1		☐ Fiberglass	
Unit Price \$		☐ Other	
Item Total \$		ROUTED WOOD SIGN	

Line Item 77-14	↑ DOUGLAS TR. NO. 781	REFLECTORIZED SIGN	
Sign No TD-1		☐ HDO Plywood	☐ 100% Heat Act. Material
Est. Sq. Ft.		☐ Aluminum	☐ Edge Tane
Quantity 1		☐ Fiberglass	
Unit Price \$		☐ Other	
Item Total \$		ROUTED WOOD SIGN	
Line Item 77-15	↑ JCT. TOP SPUR TR. NO. 785	REFLECTORIZED SIGN	
Sign No TD-1		☐ HDO Plywood	☐ 100% Heat Act. Material
Est. Sq. Ft.		☐ Aluminum	☐ Edge Tane
Quantity 1		☐ Fiberglass	
Unit Price \$		☐ Other	
Item Total \$		ROUTED WOOD SIGN	
Line Item 77-16	← HUNCHBACK TR. NO. 793 →	REFLECTORIZED SIGN	
Sign No TD-1		☐ HDO Plywood	☐ 100% Heat Act. Material
Est. Sq. Ft.		☐ Aluminum	☐ Edge Tane
Quantity 1		☐ Fiberglass	
Unit Price \$		☐ Other	
Item Total \$		ROUTED WOOD SIGN	
Line Item 77-17	↑ GREEN CANYON WAY TR. NO. 793A	REFLECTORIZED SIGN	
Sign No TD-1		☐ HDO Plywood	☐ 100% Heat Act. Material
Est. Sq. Ft.		☐ Aluminum	☐ Edge Tane
Quantity 1		☐ Fiberglass	
Unit Price \$		☐ Other	
Item Total \$		ROUTED WOOD SIGN	
Line Item 77-18	← DEVILS PEAK LOOKOUT	REFLECTORIZED SIGN	
Sign No TD-1		☐ HDO Plywood	☐ 100% Heat Act. Material
Est. Sq. Ft.		☐ Aluminum	☐ Edge Tane
Quantity 1		☐ Fiberglass	
Unit Price \$		☐ Other	
Item Total \$		ROUTED WOOD SIGN	

Line Item 77-19	WATER →	REFLECTORIZED SIGN	
Sign No TD-1		☐ HDO Plywood	☐ 100% Heat Act. Material
Est. Sq. Ft.		☐ Aluminum	☐ Fiberglass
Quantity 1		☐ Other	
Unit Price \$		ROUTED WOOD SIGN	
Item Total \$		☐ MDG Plywood	☐ Paint
Line Item 77-20	HIKERS ONLY NO STOCK	☐ Redwood	☐ Stain
Sign No TD-2		☐ Cedar	☒ Unfinished
Est. Sq. Ft.		☒ Oak	☐ Artificial Weather
Quantity 2		☐ Other	Scorched Letters: <u>predrill</u>
Unit Price \$		REFLECTORIZED SIGN	
Item Total \$		☐ HDO Plywood	☐ 100% Heat Act. Material
Line Item 77-21	↑ JCT. PACIFIC CREST TR. NO. 2000	☐ Aluminum	☐ Fiberglass
Sign No TD-1		☐ Other	
Est. Sq. Ft.		ROUTED WOOD SIGN	
Quantity 1		☐ MDG Plywood	☐ Paint
Unit Price \$		☐ Redwood	☐ Stain
Item Total \$		☐ Cedar	☒ Unfinished
Line Item 77-22	← PACIFIC CREST TR. NO. 2000 →	☒ Oak	☐ Artificial Weather
Sign No TD-1		☐ Other	Scorched Letters: <u>predrill</u>
Est. Sq. Ft.		REFLECTORIZED SIGN	
Quantity 1		☐ HDO Plywood	☐ 100% Heat Act. Material
Unit Price \$		☐ Aluminum	☐ Fiberglass
Item Total \$		☐ Other	
Line Item 77-23	↑ PACIFIC CREST TR. NO. 2000	ROUTED WOOD SIGN	
Sign No TD-1		☐ MDG Plywood	☐ Paint
Est. Sq. Ft.		☐ Redwood	☐ Stain
Quantity 2		☐ Cedar	☒ Unfinished
Unit Price \$		☒ Oak	☐ Artificial Weather
Item Total \$		☐ Other	Scorched Letters: <u>predrill</u>

Line Item 77-24	← TIMBERLINE TR. NO. 600 → ← RAMONA FALLS PACIFIC CREST TR. NO. 2000 → TIMBERLINE LODGE →	REFLECTORIZED SIGN	
Sign No TD-4		☐ HDO Plywood	☐ 100% Heat Act. Material
Est. Sq. Ft.		☐ Aluminum	☐ Fiberglass
Quantity 1		☐ Other	
Unit Price \$		ROUTED WOOD SIGN	
Item Total \$		☐ MDO Plywood	☐ Paint
Line Item 77-25	↑ COOL CREEK TR. NO. 794	☐ Redwood	☐ Stain
Sign No TD-2		☐ Cedar	☒ Unfinished
Est. Sq. Ft.		☒ Oak	☐ Artificial Weather
Quantity 5		☐ Other	Scorched Letters: predrill
Unit Price \$		REFLECTORIZED SIGN	
Item Total \$		☐ HDO Plywood	☐ 100% Heat Act. Material
Line Item 77-26	← PACIFIC CREST TR. NO. 2000 TIMBERLINE TR. NO. 600 → RAMONA FALLS →	☐ Aluminum	☐ Fiberglass
Sign No TD-3		☐ Other	
Est. Sq. Ft.		ROUTED WOOD SIGN	
Quantity 1		☐ MDO Plywood	☐ Paint
Unit Price \$		☐ Redwood	☐ Stain
Item Total \$		☐ Cedar	☒ Unfinished
Line Item 77-27	↑ TRAIL	☒ Oak	☐ Artificial Weather
Sign No TD-1		☐ Other	Scorched Letters
Est. Sq. Ft.		REFLECTORIZED SIGN	
Quantity 1		☐ HDO Plywood	☐ 100% Heat Act. Material
Unit Price \$		☐ Aluminum	☐ Fiberglass
Item Total \$		☐ Other	
Line Item 77-28	↑ RAMONA FALL TRAILHEAD	ROUTED WOOD SIGN	
Sign No TD-1		☐ MDO Plywood	☐ Paint
Est. Sq. Ft.		☐ Redwood	☐ Stain
Quantity 2		☐ Cedar	☒ Unfinished
Unit Price \$		☒ Oak	☐ Artificial Weather
Item Total \$		☐ Other	Scorched Letters: predrill

Line Item 77-29	↑ PIONEER BRIDLE TR. NO. 795	REFLECTORIZED SIGN	
Sign No TD-1		☐ HDO Plywood	☐ 100% Heat Act. Material
Est. Sq. Ft.		☐ Aluminum	☐ Fiberglass
Quantity 5		☐ Other	
Unit Price \$		ROUTED WOOD SIGN	
Item Total \$		☐ MDG Plywood	☐ Paint
Line Item 77-30	PACIFIC CREST TR. NO. 2000 TIMBERLINE LODGE	☐ Redwood	☐ Stain
Sign No TD-2		☐ Cedar	☒ Unfinished
Est. Sq. Ft.		☒ Oak	☐ Artificial Weather
Quantity 1		☐ Other	Scorched Letters: <u>pre-drill</u>
Unit Price \$		REFLECTORIZED SIGN	
Item Total \$		☐ HDO Plywood	☐ 100% Heat Act. Material
Line Item 77-31	PACIFIC CREST TR. NO. 2000 LOLO PASS	☐ Aluminum	☐ Fiberglass
Sign No TD-2		☐ Other	
Est. Sq. Ft.		ROUTED WOOD SIGN	
Quantity 1		☐ MDG Plywood	☐ Paint
Unit Price \$		☐ Redwood	☐ Stain
Item Total \$		☐ Cedar	☒ Unfinished
Line Item 77-32	PACIFIC CREST TR. NO. 2000 MUDDY FORK	☒ Oak	☐ Artificial Weather
Sign No TD-2		☐ Other	Scorched Letters: <u>pre-drill</u>
Est. Sq. Ft.		REFLECTORIZED SIGN	
Quantity 1		☐ HDO Plywood	☐ 100% Heat Act. Material
Unit Price \$		☐ Aluminum	☐ Fiberglass
Item Total \$		☐ Other	
Line Item 77-33	PACIFIC CREST TR. NO. 2000 CAIRN BASIN	ROUTED WOOD SIGN	
Sign No TD-2		☐ MDG Plywood	☐ Paint
Est. Sq. Ft.		☐ Redwood	☐ Stain
Quantity 1		☐ Cedar	☒ Unfinished
Unit Price \$		☒ Oak	☐ Artificial Weather
Item Total \$		☐ Other	Scorched Letters: <u>pre-drill</u>

Line Item 77-34	↑ TOP SPUR TR. NO. 785	REFLECTORIZED SIGN	
Sign No TD-1		☐ HDO Plywood	☐ 100% Heat Act. Material
Est. Sq. Ft.		☐ Aluminum	☐ Edge Tane
Quantity 5		☐ Fiberglass	
Unit Price \$		☐ Other	
Item Total \$		ROUTED WOOD SIGN	
Line Item 77-35	TIMOTHY LAKE BIKE TR. NO. 537 15 MILES	REFLECTORIZED SIGN	
Sign No TD-2		☐ HDO Plywood	☐ 100% Heat Act. Material
Est. Sq. Ft.		☐ Aluminum	☐ Edge Tane
Quantity 6		☐ Fiberglass	
Unit Price \$		☐ Other	
Item Total \$		ROUTED WOOD SIGN	
Line Item 77-36	↑ PACIFIC CREST TR. NO. 2000	REFLECTORIZED SIGN	
Sign No TD-1		☐ HDO Plywood	☐ 100% Heat Act. Material
Est. Sq. Ft.		☐ Aluminum	☐ Edge Tane
Quantity 3		☐ Fiberglass	
Unit Price \$		☐ Other	
Item Total \$		ROUTED WOOD SIGN	
Line Item 77-37	TIMOTHY LAKE BIKE TR. NO. 537	REFLECTORIZED SIGN	
Sign No TD-1		☐ HDO Plywood	☐ 100% Heat Act. Material
Est. Sq. Ft.		☐ Aluminum	☐ Edge Tane
Quantity 5		☐ Fiberglass	
Unit Price \$		☐ Other	
Item Total \$		ROUTED WOOD SIGN	
Line Item 77-38	Cool Creek TRAILHEAD	REFLECTORIZED SIGN	
Sign No RSE-A		☐ HDO Plywood	☐ 100% Heat Act. Material
Est. Sq. Ft.		☐ Aluminum	☐ Edge Tane
Quantity 1		☐ Fiberglass	
Unit Price \$		☐ Other	
Item Total \$		ROUTED WOOD SIGN	

Line Item 77-39	← TIMOTHY LAKE BIKE TR. NO. 537 →	REFLECTORIZED SIGN	
Sign No TD-1		☐ HDO Plywood	☐ 100% Heat Act. Material
Est. Sq. Ft.		☐ Aluminum	☐ Fiberglass
Quantity 7		☐ Other	
Unit Price \$		ROUTED WOOD SIGN	
Item Total \$		☐ MDG Plywood	☐ Paint
Line Item 77-40	TIMOTHY LAKE BIKE TR. NO. 537 →	☐ Redwood	☐ Stain
Sign No TD-1		☐ Cedar	☐ Unfinished
Est. Sq. Ft.		☐ Oak	☐ Artificial Weather
Quantity 2		☒ Other	HDPE Recycled Plastic
Unit Price \$		REFLECTORIZED SIGN	
Item Total \$		☐ HDO Plywood	☐ 100% Heat Act. Material
Line Item 77-41	Burnt Lake South TRAILHEAD	☐ Aluminum	☐ Fiberglass
Sign No RSE-A		☐ Other	
Est. Sq. Ft.		ROUTED WOOD SIGN	
Quantity 1		☐ MDG Plywood	☐ Paint
Unit Price \$		☐ Redwood	☐ Stain
Item Total \$		☐ Cedar	☐ Unfinished
Line Item 77-42	Eagle Creek TRAILHEAD	☐ Oak	☐ Artificial Weather
Sign No RSE-A		☒ Other	HDPE Recycled Plastic
Est. Sq. Ft.		REFLECTORIZED SIGN	
Quantity 1		☐ HDO Plywood	☐ 100% Heat Act. Material
Unit Price \$		☐ Aluminum	☐ Fiberglass
Item Total \$		☐ Other	
Line Item 77-43	Douglas TRAILHEAD	ROUTED WOOD SIGN	
Sign No RSE-A		☐ MDG Plywood	☐ Paint
Est. Sq. Ft.		☐ Redwood	☐ Stain
Quantity 1		☐ Cedar	☐ Unfinished
Unit Price \$		☐ Oak	☐ Artificial Weather
Item Total \$		☒ Other	HDPE Recycled Plastic

Line Item		REFLECTORIZED SIGN	
77-44		☐ HDO Plywood	☐ 100% Heat Act. Material
Sign No		☐ Aluminum	☐ Edge Tape
TD-1	↑ TIMOTHY LAKE BIKE TR. NO. 537	☐ Fiberglass	
Est. Sq. Ft.		☐ Other	
Quantity		ROUTED WOOD SIGN	
4		☐ MDO Plywood	☐ Paint
Unit Price		☐ Redwood	☐ Stain
\$		☐ Cedar	☐ Unfinished
Item Total		☐ Oak	☐ Artificial Weather
\$		☒ Other	<u>HDPE Recycled Plastic</u>

3. CONTRACT TERMS AND CONDITIONS

FAR 52.212-4 CONTRACT TERMS AND CONDITIONS-COMMERCIAL ITEMS (MAR 2009)

(a) *Inspection/Acceptance.* The Contractor shall only tender for acceptance those items that conform to the requirements of this contract. The Government reserves the right to inspect or test any supplies or services that have been tendered for acceptance. The Government may require repair or replacement of nonconforming supplies or reperformance of nonconforming services at no increase in contract price. If repair/replacement or reperformance will not correct the defects or it is not possible, the Government may seek an equitable price reduction or adequate consideration for acceptance of nonconforming supplies or services. The Government must exercise its post-acceptance rights-

- (1) Within a reasonable time after the defect was discovered or should have been discovered; and
- (2) Before any substantial change occurs in the condition of the item, unless the change is due to the defect in the item.

(b) *Assignment.* The Contractor or its assignee may assign its rights to receive payment due as a result of performance of this contract to a bank, trust company, or other financing institution, including any Federal lending agency in accordance with the Assignment of Claims Act ([31 U.S.C. 3727](#)). However, when a third party makes payment (e.g., use of the Government-wide commercial purchase card), the Contractor may not assign its rights to receive payment under this contract.

(c) *Changes.* Changes in the terms and conditions of this contract may be made only by written agreement of the parties.

(d) *Disputes.* This contract is subject to the Contract Disputes Act of 1978, as amended ([41 U.S.C. 601-613](#)). Failure of the parties to this contract to reach agreement on any request for equitable adjustment, claim, appeal or action arising under or relating to this contract shall be a dispute to be resolved in accordance with the clause at FAR [52.233-1](#), Disputes, which is incorporated herein by reference. The Contractor shall proceed diligently with performance of this contract, pending final resolution of any dispute arising under the contract.

(e) *Definitions.* The clause at FAR [52.202-1](#), Definitions, is incorporated herein by reference.

(f) *Excusable delays.* The Contractor shall be liable for default unless nonperformance is caused by an occurrence beyond the reasonable control of the Contractor and without its fault or negligence such as, acts of God or the public enemy, acts of the Government in either its sovereign or contractual capacity, fires, floods, epidemics, quarantine restrictions, strikes, unusually severe weather, and delays of common carriers. The Contractor shall notify the Contracting Officer in writing as soon as it is reasonably possible after the commencement of any excusable delay, setting forth the full particulars in connection therewith, shall remedy such occurrence with all reasonable dispatch, and shall promptly give written notice to the Contracting Officer of the cessation of such occurrence.

(g) *Invoice.*

(1) The Contractor shall submit an original invoice and three copies (or electronic invoice, if authorized) to the address designated in the contract to receive invoices. An invoice must include-

- (i) Name and address of the Contractor;
- (ii) Invoice date and number;
- (iii) Contract number, contract line item number and, if applicable, the order number;
- (iv) Description, quantity, unit of measure, unit price and extended price of the items delivered;
- (v) Shipping number and date of shipment, including the bill of lading number and weight of shipment if shipped on Government bill of lading;
- (vi) Terms of any discount for prompt payment offered;
- (vii) Name and address of official to whom payment is to be sent;
- (viii) Name, title, and phone number of person to notify in event of defective invoice; and

(ix) Taxpayer Identification Number (TIN). The Contractor shall include its TIN on the invoice only if required elsewhere in this contract.

(x) Electronic funds transfer (EFT) banking information.

(A) The Contractor shall include EFT banking information on the invoice only if required elsewhere in this contract.

(B) If EFT banking information is not required to be on the invoice, in order for the invoice to be a proper invoice, the Contractor shall have submitted correct EFT banking information in accordance with the applicable solicitation provision, contract clause (e.g., [52.232-33](#), Payment by Electronic Funds Transfer-Central Contractor Registration, or [52.232-34](#), Payment by Electronic Funds Transfer-Other Than Central Contractor Registration), or applicable agency procedures.

(C) EFT banking information is not required if the Government waived the requirement to pay by EFT.

(2) Invoices will be handled in accordance with the Prompt Payment Act ([31 U.S.C. 3903](#)) and Office of Management and Budget (OMB) prompt payment regulations at 5 CFR part 1315.

(h) *Patent indemnity.* The Contractor shall indemnify the Government and its officers, employees and agents against liability, including costs, for actual or alleged direct or contributory infringement of, or inducement to infringe, any United States or foreign patent, trademark or copyright, arising out of the performance of this contract, provided the Contractor is reasonably notified of such claims and proceedings.

(i) *Payment.* (1) *Items accepted.* Payment shall be made for items accepted by the Government that have been delivered to the delivery destinations set forth in this contract.

(2) *Prompt payment.* The Government will make payment in accordance with the Prompt Payment Act ([31 U.S.C. 3903](#)) and prompt payment regulations at 5 CFR Part 1315.

(3) *Electronic Funds Transfer (EFT).* If the Government makes payment by EFT, see [52.212-5\(b\)](#) for the appropriate EFT clause.

(4) *Discount.* In connection with any discount offered for early payment, time shall be computed from the date of the invoice. For the purpose of computing the discount earned, payment shall be considered to have been made on the date which appears on the payment check or the specified payment date if an electronic funds transfer payment is made.

(5) *Overpayments.* If the Contractor becomes aware of a duplicate contract financing or invoice payment or that the Government has otherwise overpaid on a contract financing or invoice payment, the Contractor shall—

(i) Remit the overpayment amount to the payment office cited in the contract along with a description of the overpayment including the—

(A) Circumstances of the overpayment (e.g., duplicate payment, erroneous payment, liquidation errors, date(s) of overpayment);

(B) Affected contract number and delivery order number, if applicable;

(C) Affected contract line item or subline item, if applicable; and

(D) Contractor point of contact.

(ii) Provide a copy of the remittance and supporting documentation to the Contracting Officer.

(6) *Interest.*

(i) All amounts that become payable by the Contractor to the Government under this contract shall bear simple interest from the date due until paid unless paid within 30 days of becoming due. The interest rate shall be the interest rate established by the Secretary of the Treasury as provided in Section 611 of the Contract Disputes Act of 1978 (Public Law 95-563), which is applicable to the period in which the amount becomes due, as provided in (i)(6)(v) of this clause, and then at the rate applicable for each six-month period as fixed by the Secretary until the amount is paid.

(ii) The Government may issue a demand for payment to the Contractor upon finding a debt is due under the contract.

(iii) *Final decisions.* The Contracting Officer will issue a final decision as required by [33.211](#) if—

(A) The Contracting Officer and the Contractor are unable to reach agreement on the existence or amount of a debt within 30 days;

(B) The Contractor fails to liquidate a debt previously demanded by the Contracting Officer within the timeline specified in the demand for payment unless the amounts were not repaid because the Contractor has requested an installment payment agreement; or

(C) The Contractor requests a deferment of collection on a debt previously demanded by the Contracting Officer (see [32.607-2](#)).

(iv) If a demand for payment was previously issued for the debt, the demand for payment included in the final decision shall identify the same due date as the original demand for payment.

(v) Amounts shall be due at the earliest of the following dates:

(A) The date fixed under this contract.

(B) The date of the first written demand for payment, including any demand for payment resulting from a default termination.

(vi) The interest charge shall be computed for the actual number of calendar days involved beginning on the due date and ending on—

(A) The date on which the designated office receives payment from the Contractor;

(B) The date of issuance of a Government check to the Contractor from which an amount otherwise payable has been withheld as a credit against the contract debt; or

(C) The date on which an amount withheld and applied to the contract debt would otherwise have become payable to the Contractor.

(vii) The interest charge made under this clause may be reduced under the procedures prescribed in [32.608-2](#) of the Federal Acquisition Regulation in effect on the date of this contract.

(j) *Risk of loss.* Unless the contract specifically provides otherwise, risk of loss or damage to the supplies provided under this contract shall remain with the Contractor until, and shall pass to the Government upon:

(1) Delivery of the supplies to a carrier, if transportation is f.o.b. origin; or

(2) Delivery of the supplies to the Government at the destination specified in the contract, if transportation is f.o.b. destination.

(k) *Taxes.* The contract price includes all applicable Federal, State, and local taxes and duties.

(l) *Termination for the Government's convenience.* The Government reserves the right to terminate this contract, or any part hereof, for its sole convenience. In the event of such termination, the Contractor shall immediately stop all work hereunder and shall immediately cause any and all of its suppliers and subcontractors to cease work. Subject to the terms of this contract, the Contractor shall be paid a percentage of the contract price reflecting the percentage of the work performed prior to the notice of termination, plus reasonable charges the Contractor can demonstrate to the satisfaction of the Government using its standard record keeping system, have resulted from the termination. The Contractor shall not be required to comply with the cost accounting standards or contract cost principles for this purpose. This paragraph does not give the Government any right to audit the Contractor's records. The Contractor shall not be paid for any work performed or costs incurred, which reasonably could have been avoided.

(m) *Termination for cause.* The Government may terminate this contract, or any part hereof, for cause in the event of any default by the Contractor, or if the Contractor fails to comply with any contract terms and conditions, or fails to provide the Government, upon request, with adequate assurances of future performance. In the event of termination for cause, the Government shall not be liable to the Contractor for any amount for supplies or services not accepted, and the Contractor shall be liable to the Government for any and all rights and remedies provided by law. If it is determined that the Government improperly terminated this contract for default, such termination shall be deemed a termination for convenience.

(n) *Title.* Unless specified elsewhere in this contract, title to items furnished under this contract shall pass to the Government upon acceptance, regardless of when or where the Government takes physical possession.

(o) *Warranty.* The Contractor warrants and implies that the items delivered hereunder are merchantable and fit for use for the particular purpose described in this contract.

(p) *Limitation of liability.* Except as otherwise provided by an express warranty, the Contractor will not be liable to the Government for consequential damages resulting from any defect or deficiencies in accepted items.

(q) *Other compliances.* The Contractor shall comply with all applicable Federal, State and local laws, executive orders, rules and regulations applicable to its performance under this contract.

(r) *Compliance with laws unique to Government contracts.* The Contractor agrees to comply with [31 U.S.C. 1352](#) relating to limitations on the use of appropriated funds to influence certain Federal contracts; [18 U.S.C. 431](#) relating to officials not to benefit; [40 U.S.C. 3701](#), *et seq.*, Contract Work Hours and Safety Standards Act; [41 U.S.C. 51-58](#), Anti-Kickback Act of 1986; [41 U.S.C. 265](#) and [10 U.S.C. 2409](#) relating to whistleblower protections; Section 1553 of the American Recovery and Reinvestment Act of 2009 relating to whistleblower protections funded under that Act; [49 U.S.C. 40118](#), Fly American; and [41 U.S.C. 423](#) relating to procurement integrity.

(s) *Order of precedence.* Any inconsistencies in this solicitation or contract shall be resolved by giving precedence in the following order:

- (1) The schedule of supplies/services.
- (2) The Assignments, Disputes, Payments, Invoice, Other Compliances, and Compliance with Laws Unique to Government Contracts paragraphs of this clause.
- (3) The clause at [52.212-5](#).
- (4) Addenda to this solicitation or contract, including any license agreements for computer software.
- (5) Solicitation provisions if this is a solicitation.
- (6) Other paragraphs of this clause.
- (7) The [Standard Form 1449](#).
- (8) Other documents, exhibits, and attachments.
- (9) The specification.

(t) *Central Contractor Registration (CCR).*

(1) Unless exempted by an addendum to this contract, the Contractor is responsible during performance and through final payment of any contract for the accuracy and completeness of the data within the CCR database, and for any liability resulting from the Government's reliance on inaccurate or incomplete data. To remain registered in the CCR database after the initial registration, the Contractor is required to review and update on an annual basis from the date of initial registration or subsequent updates its information in the CCR database to ensure it is current, accurate and complete. Updating information in the CCR does not alter the terms and conditions of this contract and is not a substitute for a properly executed contractual document.

(2)(i) If a Contractor has legally changed its business name, "doing business as" name, or division name (whichever is shown on the contract), or has transferred the assets used in performing the contract, but has not completed the necessary requirements regarding novation and change-of-name agreements in FAR Subpart 42.12, the Contractor shall provide the responsible Contracting Officer a minimum of one business day's written notification of its intention to (A) change the name in the CCR database; (B) comply with the requirements of Subpart 42.12; and (C) agree in writing to the timeline and procedures specified by the responsible Contracting Officer. The Contractor must provide with the notification sufficient documentation to support the legally changed name.

(ii) If the Contractor fails to comply with the requirements of paragraph (t)(2)(i) of this clause, or fails to perform the agreement at paragraph (t)(2)(i)(C) of this clause, and, in the absence of a properly executed novation or change-of-name agreement, the CCR information that shows the Contractor to be other than the Contractor indicated in the contract will be considered to be incorrect information within the meaning of the "Suspension of Payment" paragraph of the electronic funds transfer (EFT) clause of this contract.

(3) The Contractor shall not change the name or address for EFT payments or manual payments, as appropriate, in the CCR record to reflect an assignee for the purpose of assignment of claims (see Subpart 32.8, Assignment of Claims). Assignees shall be separately registered in the CCR database. Information provided to the Contractor's CCR record that indicates payments, including those made by EFT, to an ultimate recipient other than that Contractor will be considered to be incorrect information within the meaning of the "Suspension of payment" paragraph of the EFT clause of this contract.

(4) Offerors and Contractors may obtain information on registration and annual confirmation requirements via the internet at www.ccr.gov or by calling 1-888-227-2423 or 269-961-5757.

4. ADDENDUM TO FAR 52.212-4 ADDITIONAL CLAUSES

A. The following additional clauses are incorporated and provided herewith:

4.1 FAR 52.222-54 Employment Eligibility Verification. (Jan 2009)

(a) *Definitions.* As used in this clause—

“Commercially available off-the-shelf (COTS) item”—

(1) Means any item of supply that is—

(i) A commercial item (as defined in paragraph (1) of the definition at [2.101](#));

(ii) Sold in substantial quantities in the commercial marketplace; and

(iii) Offered to the Government, without modification, in the same form in which it is sold in the commercial marketplace; and

(2) Does not include bulk cargo, as defined in section 3 of the Shipping Act of 1984 ([46 U.S.C. App. 1702](#)), such as agricultural products and petroleum products. Per 46 CFR 525.1 (c)(2), “bulk cargo” means cargo that is loaded and carried in bulk onboard ship without mark or count, in a loose unpackaged form, having homogenous characteristics. Bulk cargo loaded into intermodal equipment, except LASH or Seabee barges, is subject to mark and count and, therefore, ceases to be bulk cargo.

“Employee assigned to the contract” means an employee who was hired after November 6, 1986, who is directly performing work, in the United States, under a contract that is required to include the clause prescribed at [22.1803](#). An employee is not considered to be directly performing work under a contract if the employee—

(1) Normally performs support work, such as indirect or overhead functions; and

(2) Does not perform any substantial duties applicable to the contract.

“Subcontract” means any contract, as defined in [2.101](#), entered into by a subcontractor to furnish supplies or services for performance of a prime contract or a subcontract. It includes but is not limited to purchase orders, and changes and modifications to purchase orders.

“Subcontractor” means any supplier, distributor, vendor, or firm that furnishes supplies or services to or for a prime Contractor or another subcontractor.

“United States”, as defined in [8 U.S.C. 1101\(a\)\(38\)](#), means the 50 States, the District of Columbia, Puerto Rico, Guam, and the U.S. Virgin Islands.

(b) *Enrollment and verification requirements.*

(1) If the Contractor is not enrolled as a Federal Contractor in E-Verify at time of contract award, the Contractor shall—

(i) *Enroll.* Enroll as a Federal Contractor in the E-Verify program within 30 calendar days of contract award;

(ii) *Verify all new employees.* Within 90 calendar days of enrollment in the E-Verify program, begin to use E-Verify to initiate verification of employment eligibility of all new hires of the Contractor, who are working in the United States, whether or not assigned to the contract, within 3 business days after the date of hire (but see paragraph (b)(3) of this section); and

(iii) *Verify employees assigned to the contract.* For each employee assigned to the contract, initiate verification within 90 calendar days after date of enrollment or within 30 calendar days of the employee's assignment to the contract, whichever date is later (but see paragraph (b)(4) of this section).

(2) If the Contractor is enrolled as a Federal Contractor in E-Verify at time of contract award, the Contractor shall use E-Verify to initiate verification of employment eligibility of—

(i) *All new employees.*

(A) *Enrolled 90 calendar days or more.* The Contractor shall initiate verification of all new hires of the Contractor, who are working in the United States, whether or not assigned to the contract, within 3 business days after the date of hire (but see paragraph (b)(3) of this section); or

(B) *Enrolled less than 90 calendar days.* Within 90 calendar days after enrollment as a Federal Contractor in E-Verify, the Contractor shall initiate verification of all new hires of the Contractor, who are working in the United States, whether or not assigned to the contract, within 3 business days after the date of hire (but see paragraph (b)(3) of this section); or

(ii) *Employees assigned to the contract.* For each employee assigned to the contract, the Contractor shall initiate verification within 90 calendar days after date of contract award or within 30 days after assignment to the contract, whichever date is later (but see paragraph (b)(4) of this section).

(3) If the Contractor is an institution of higher education (as defined at [20 U.S.C. 1001\(a\)](#)); a State or local government or the government of a Federally recognized Indian tribe; or a surety performing under a takeover agreement entered into with a Federal agency pursuant to a performance bond, the Contractor may choose to verify only employees assigned to the contract, whether existing employees or new hires. The Contractor shall follow the applicable verification requirements at (b)(1) or (b)(2) respectively, except that any requirement for verification of new employees applies only to new employees assigned to the contract.

(4) *Option to verify employment eligibility of all employees.* The Contractor may elect to verify all existing employees hired after November 6, 1986, rather than just those employees assigned to the contract. The Contractor shall initiate verification for each existing employee working in the United States who was hired after November 6, 1986, within 180 calendar days of—

(i) Enrollment in the E-Verify program; or

(ii) Notification to E-Verify Operations of the Contractor's decision to exercise this option, using the contact information provided in the E-Verify program Memorandum of Understanding (MOU).

(5) The Contractor shall comply, for the period of performance of this contract, with the requirements of the E-Verify program MOU.

(i) The Department of Homeland Security (DHS) or the Social Security Administration (SSA) may terminate the Contractor's MOU and deny access to the E-Verify system in accordance with the terms of the MOU. In such case, the Contractor will be referred to a suspension or debarment official.

(ii) During the period between termination of the MOU and a decision by the suspension or debarment official whether to suspend or debar, the Contractor is excused from its obligations under paragraph (b) of this clause. If the suspension or debarment official determines not to suspend or debar the Contractor, then the Contractor must reenroll in E-Verify.

(c) *Web site.* Information on registration for and use of the E-Verify program can be obtained via the Internet at the Department of Homeland Security Web site: <http://www.dhs.gov/E-Verify>.

(d) *Individuals previously verified.* The Contractor is not required by this clause to perform additional employment verification using E-Verify for any employee—

(1) Whose employment eligibility was previously verified by the Contractor through the E-Verify program;

(2) Who has been granted and holds an active U.S. Government security clearance for access to confidential, secret, or top secret information in accordance with the National Industrial Security Program Operating Manual; or

(3) Who has undergone a completed background investigation and been issued credentials pursuant to Homeland Security Presidential Directive (HSPD)-12, Policy for a Common Identification Standard for Federal Employees and Contractors.

(e) *Subcontracts*. The Contractor shall include the requirements of this clause, including this paragraph (e) (appropriately modified for identification of the parties), in each subcontract that—

(1) Is for—

(i) Commercial or noncommercial services (except for commercial services that are part of the purchase of a COTS item (or an item that would be a COTS item, but for minor modifications), performed by the COTS provider, and are normally provided for that COTS item); or

(ii) Construction;

(2) Has a value of more than \$3,000; and

(3) Includes work performed in the United States.

4.2 AGAR 452.219-70 SIZE STANDARD AND NAICS CODE INFORMATION (SEP 2001)

The North American Industrial Classification System Code(s) and business size standard(s) describing the products and/or services to be acquired under this solicitation are listed below:

Contract line item(s): ALL ITEMS

--NAICS Code: 339950

--Size Standard: 500 employees

4.3 FAR 52.252-2 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

<http://www.arnet.gov/far/>

<http://www.usda.gov/procurement/policy/agar.html>

FAR 52.236-7 Permits and Responsibilities (NOV 1991)

B. The following clauses are required under the provisions of the American Recovery and Reinvestment Act of 2009 and incorporated herewith.

4.4 52.203-15 – Whistleblower Protections Under the American Recovery and Reinvestment Act of 2009 (Mar 2009)

(a) The Contractor shall post notice of employees rights and remedies for whistleblower protections provided under section 1553 of the American Recovery and Reinvestment Act of 2009 (Pub. L. 111–5).

(b) The Contractor shall include the substance of this clause including this paragraph (b) in all subcontracts.

4.5 52.204-11 – American Recovery and Reinvestment Act—Reporting Requirements (Mar 2009)

(a) *Definitions*. As used in this clause—

“Contract,” as defined in FAR 2.101, means a mutually binding legal relationship obligating the seller to furnish the supplies or services (including construction) and the buyer to pay for them. It includes all types of commitments that obligate the Government to an expenditure of appropriated funds and that, except as otherwise authorized, are in writing. In addition to bilateral instruments, contracts include (but are not limited to) awards and notices of awards; job orders or task letters issued under basic ordering agreements; letter contracts; orders, such as purchase orders, under which the contract becomes effective by written acceptance or performance; and bilateral contract modifications. Contracts do not include grants and cooperative agreements covered by 31 U.S.C. 6301, *et seq.* For discussion of various types of contracts, see FAR Part 16.

“First-tier subcontract” means a subcontract awarded directly by a Federal Government prime contractor whose contract is funded by the Recovery Act.

“Jobs created” means an estimate of those new positions created and filled, or previously existing unfilled positions that are filled, as a result of funding by the American Recovery and Reinvestment Act of 2009 (Recovery Act). This definition covers only prime contractor positions established in the United States and outlying areas (see definition in FAR 2.101). The number shall be expressed as “full-time equivalent” (FTE), calculated cumulatively as all hours worked divided by the total number of hours in a full-time schedule, as defined by the contractor. For instance, two full-time employees and one part-time employee working half days would be reported as 2.5 FTE in each calendar quarter.

“Jobs retained” means an estimate of those previously existing filled positions that are retained as a result of funding by the American Recovery and Reinvestment Act of 2009 (Recovery Act). This definition covers only prime contractor positions established in the United States and outlying areas (see definition in FAR 2.101). The number shall be expressed as “full-time equivalent” (FTE), calculated cumulatively as all hours worked divided by the total number of hours in a full-time schedule, as defined by the contractor. For instance, two full-time employees and one part-time employee working half days would be reported as 2.5 FTE in each calendar quarter.

“Total compensation” means the cash and noncash dollar value earned by the executive during the contractor’s past fiscal year of the following (for more information see 17 CFR 229.402(c)(2)):

(1) *Salary and bonus.*

(2) *Awards of stock, stock options, and stock appreciation rights.* Use the dollar amount recognized for financial statement reporting purposes with respect to the fiscal year in accordance with the Statement of Financial Accounting Standards No. 123 (Revised 2004) (FAS 123R), Shared Based Payments.

(3) *Earnings for services under non-equity incentive plans.* Does not include group life, health, hospitalization or medical reimbursement plans that do not discriminate in favor of executives, and are available generally to all salaried employees.

(4) *Change in pension value.* This is the change in present value of defined benefit and actuarial pension plans.

(5) *Above-market earnings on deferred compensation which is not tax-qualified.*

(6) *Other compensation.* For example, severance, termination payments, value of life insurance paid on behalf of the employee, perquisites or property if the value for the executive exceeds \$10,000.

(b) This contract requires the contractor to provide products and/or services that are funded under the American Recovery and Reinvestment Act of 2009 (Recovery Act). Section 1512(c) of the Recovery Act requires each contractor to report on its use of Recovery Act funds under this contract. These reports will be made available to the public.

(c) Reports from contractors for all work funded, in whole or in part, by the Recovery Act, and for which an invoice is submitted prior to June 30, 2009, are due no later than July 10, 2009. Thereafter, reports shall be submitted no later than the 10th day after the end of each calendar quarter.

(d) The Contractor shall report the following information, using the online reporting tool available at <https://www.federalreporting.gov/federalreporting/home.do>

(1) The Government contract and order number, as applicable.

(2) The amount of Recovery Act funds invoiced by the contractor for the reporting period. A cumulative amount from all the reports submitted for this action will be maintained by the government's on-line reporting tool.

(3) A list of all significant services performed or supplies delivered, including construction, for which the contractor invoiced in this calendar quarter.

(4) Program or project title, if any.

(5) A description of the overall purpose and expected outcomes or results of the contract, including significant deliverables and, if appropriate, associated units of measure.

(6) An assessment of the contractor's progress towards the completion of the overall purpose and expected outcomes or results of the contract (i.e., not started, less than 50 percent completed, completed 50 percent or more, or fully completed). This covers the contract (or portion thereof) funded by the Recovery Act.

(7) A narrative description of the employment impact of work funded by the Recovery Act. This narrative should be cumulative for each calendar quarter and only address the impact on the contractor's workforce. At a minimum, the contractor shall provide—

(i) A brief description of the types of jobs created and jobs retained in the United States and outlying areas (see definition in FAR 2.101). This description may rely on job titles, broader labor categories, or the contractor's existing practice for describing jobs as long as the terms used are widely understood and describe the general nature of the work; and

(ii) An estimate of the number of jobs created and jobs retained by the prime contractor, in the United States and outlying areas. A job cannot be reported as both created and retained.

(8) Names and total compensation of each of the five most highly compensated officers of the Contractor for the calendar year in which the contract is awarded if—

(i) In the Contractor's preceding fiscal year, the Contractor received—

(A) 80 percent or more of its annual gross revenues from Federal contracts (and subcontracts), loans, grants (and subgrants) and cooperative agreements; and

(B) \$25,000,000 or more in annual gross revenues from Federal contracts (and subcontracts), loans, grants (and subgrants) and cooperative agreements; and

(ii) The public does not have access to information about the compensation of the senior executives through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. 78m(a), 78o(d)) or section 6104 of the Internal Revenue Code of 1986.

(9) For subcontracts valued at less than \$25,000 or any subcontracts awarded to an individual, or subcontracts awarded to a subcontractor that in the previous tax year had gross income under \$300,000, the Contractor shall only report the aggregate number of such first tier subcontracts awarded in the quarter and their aggregate total dollar amount.

(10) For any first-tier subcontract funded in whole or in part under the Recovery Act, that is over \$25,000 and not subject to reporting under paragraph 9, the contractor shall require the subcontractor to provide the information described in (i), (ix), (x), and (xi) below to the contractor for the purposes of the quarterly report. The contractor shall advise the subcontractor that the information will be made available to the public as required by section 1512 of the Recovery Act. The contractor shall provide detailed information on these first-tier subcontracts as follows:

(i) Unique identifier (DUNS Number) for the subcontractor receiving the award and for the subcontractor's parent company, if the subcontractor has a parent company.

(ii) Name of the subcontractor.

(iii) Amount of the subcontract award.

(iv) Date of the subcontract award.

(v) The applicable North American Industry Classification System (NAICS) code.

(vi) Funding agency.

(vii) A description of the products or services (including construction) being provided under the subcontract, including the overall purpose and expected outcomes or results of the subcontract.

(viii) Subcontract number (the contract number assigned by the prime contractor).

(ix) Subcontractor's physical address including street address, city, state, and country. Also include the nine-digit zip code and congressional district if applicable.

(x) Subcontract primary performance location including street address, city, state, and country. Also include the nine-digit zip code and congressional district if applicable.

(xi) Names and total compensation of each of the subcontractor's five most highly compensated officers, for the calendar year in which the subcontract is awarded if—

(A) In the subcontractor's preceding fiscal year, the subcontractor received—

(1) 80 percent or more of its annual gross revenues in Federal contracts (and subcontracts), loans, grants (and subgrants), and cooperative agreements; and

(2) \$25,000,000 or more in annual gross revenues from Federal contracts (and subcontracts), loans, grants (and subgrants), and cooperative agreements; and

(B) The public does not have access to information about the compensation of the senior executives through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. 78m(a), 78o(d)) or section 6104 of the Internal Revenue Code of 1986.

4.6 52.215-2 -- Audit and Records -- Negotiation (Mar 2009) (Alt I)

(a) As used in this clause, "records" includes books, documents, accounting procedures and practices, and other data, regardless of type and regardless of whether such items are in written form, in the form of computer data, or in any other form.

(b) *Examination of costs.* If this is a cost-reimbursement, incentive, time-and-materials, labor-hour, or price redeterminable contract, or any combination of these, the Contractor shall maintain and the Contracting Officer, or an authorized representative of the Contracting Officer, shall have the right to examine and audit all records and other evidence sufficient to reflect properly all costs claimed to have been incurred or anticipated to be incurred directly or indirectly in performance of this contract. This right of examination shall include inspection at all reasonable times of the Contractor's plants, or parts of them, engaged in performing the contract.

(c) *Cost or pricing data.* If the Contractor has been required to submit cost or pricing data in connection with any pricing action relating to this contract, the Contracting Officer, or an authorized representative of the Contracting Officer, in order to evaluate the accuracy, completeness, and currency of the cost or pricing data, shall have the right to examine and audit all of the Contractor's records, including computations and projections, related to --

- (1) The proposal for the contract, subcontract, or modification;
- (2) The discussions conducted on the proposal(s), including those related to negotiating;
- (3) Pricing of the contract, subcontract, or modification; or**
- (4) Performance of the contract, subcontract or modification.

(d) *Comptroller General—*

(1) The Comptroller General of the United States, an appropriate Inspector General appointed under section 3 or 8G of the Inspector General Act of 1978 (5 U.S.C. App.), or an authorized representative of either of the foregoing officials, shall have access to and the right to—

(i) Examine any of the Contractor's or any subcontractor's records that pertain to and involve transactions relating to this contract or a subcontract hereunder; and

(ii) Interview any officer or employee regarding such transactions.

(2) This paragraph may not be construed to require the Contractor or subcontractor to create or maintain any record that the Contractor or subcontractor does not maintain in the ordinary course of business or pursuant to a provision of law.

(e) *Reports.* If the Contractor is required to furnish cost, funding, or performance reports, the Contracting Officer or an authorized representative of the Contracting Officer shall have the right to examine and audit the supporting records and materials, for the purpose of evaluating --

(1) The effectiveness of the Contractor's policies and procedures to produce data compatible with the objectives of these reports; and

(2) The data reported.

(f) *Availability*. The Contractor shall make available at its office at all reasonable times the records, materials, and other evidence described in paragraphs (a), (b), (c), (d), and (e) of this clause, for examination, audit, or reproduction, until 3 years after final payment under this contract or for any shorter period specified in Subpart 4.7, Contractor Records Retention, of the Federal Acquisition Regulation (FAR), or for any longer period required by statute or by other clauses of this contract. In addition --

(1) If this contract is completely or partially terminated, the Contractor shall make available the records relating to the work terminated until 3 years after any resulting final termination settlement; and

(2) The Contractor shall make available records relating to appeals under the Disputes clause or to litigation or the settlement of claims arising under or relating to this contract until such appeals, litigation, or claims are finally resolved.

(g)(1) Except as provided in paragraph (g)(2) of this clause, the Contractor shall insert a clause containing all the terms of this clause, including this paragraph (g), in all subcontracts under this contract. The clause may be altered only as necessary to identify properly the contracting parties and the Contracting Officer under the Government prime contract.

(2) The authority of the Inspector General under paragraph (d)(1)(ii) of this clause does not flow down to subcontracts.

5. FAR 52.212-5 -- Contract Terms and Conditions-Commercial Items

52.212-5 -- Contract Terms and Conditions Required to Implement Statutes or Executive Orders -- Commercial Items (Jun 2009) (Alt II)

(a) The Contractor shall comply with the following Federal Acquisition Regulation (FAR) clauses, which are incorporated in this contract by reference, to implement provisions of law or Executive orders applicable to acquisitions of commercial items:

(1) 52.222-50, Combating Trafficking in Persons (FEB 2009) (22 U.S.C. 7104(g)).

(2) 52.233-3, Protest After Award (AUG 1996) (31 U.S.C. 3553).

(3) 52.233-4, Applicable Law for Breach of Contract Claim (OCT 2004) (Pub.L. 108-77, 108-78).

(b) The Contractor shall comply with the FAR clauses in this paragraph (b) that the contracting officer has indicated as being incorporated in this contract by reference to implement provisions of law or Executive orders applicable to acquisitions of commercial items:

 X (1) 52.203-6, Restrictions on Subcontractor Sales to the Government (Sep 2006), with Alternate I (Oct 1995)(41 U.S.C. 253g and 10 U.S.C. 2402).

 X (2) 52.203-13, Contractor Code of Business Ethics and Conduct (Dec 2008) (Pub. L. 110-252, Title VI, Chapter 1 (41 U.S.C. 251 note)).

 X (3) 52.203-15, Whistleblower Protections under the American Recovery and Reinvestment Act of 2009 (Mar 2009) (Section 1553 of Pub L. 111-5) (Applies to contracts funded by the American Recovery and Reinvestment Act of 2009).

 X (4) 52.204-11, American Recovery and Reinvestment Act—Reporting Requirements (Mar 2009) (Pub. L. 111-5).

 (5) 52.219-3, Notice of Total HUBZone Set-Aside (Jan 1999)(15 U.S.C. 657a).

 (6) 52.219-4, Notice of Price Evaluation Preference for HUBZone Small Business Concerns (Jul 2005) (if the offeror elects to waive the preference, it shall so indicate in its offer)(15 U.S.C. 657a).

 (7) [Reserved]

 X (8) (i) **52.219-6, Notice of Total Small Business Aside** (June 2003) (15 U.S.C. 644).

 (ii) Alternate I (Oct 1995) of 52.219-6.

 (iii) Alternate II (Mar 2004) of 52.219-6.

 (9) (i) 52.219-7, Notice of Partial Small Business Set-Aside (June 2003)(15 U.S.C. 644).

 (ii) Alternate I (Oct 1995) of 52.219-7.

 (iii) Alternate II (Mar 2004) of 52.219-7.

X (10) 52.219-8, Utilization of Small Business Concerns (May 2004) (15 U.S.C. 637(d)(2) and (3)).

 (11) (i) 52.219-9, Small Business Subcontracting Plan (Apr 2008)(15 U.S.C. 637 (d)(4).)

 (ii) Alternate I (Oct 2001) of 52.219-9.

 (iii) Alternate II (Oct 2001) of 52.219-9.

 (12) 52.219-14, Limitations on Subcontracting (Dec 1996)(15 U.S.C. 637(a)(14)).

 (13) 52.219-16, Liquidated Damages—Subcontracting Plan (Jan 1999)(15 U.S.C. 637(d)(4)(F)(i)).

 (14) (i) 52.219-23, Notice of Price Evaluation Adjustment for Small Disadvantaged Business Concerns (Oct 2008)(10 U.S.C. 2323) (if the offeror elects to waive the adjustment, it shall so indicate in its offer).

 (ii) Alternate I (June 2003) of 52.219-23.

 (15) 52.219-25, Small Disadvantaged Business Participation Program—Disadvantaged Status and Reporting (Apr 2008)(Pub. L. 103-355, section 7102, and 10 U.S.C. 2323).

 (16) 52.219-26, Small Disadvantaged Business Participation Program—Incentive Subcontracting (Oct 2000) (Pub. L. 103-355, section 7102, and 10 U.S.C. 2323).

 (17) 52.219-27, Notice of Total Service-Disabled Veteran-Owned Small Business Set-Aside (May 2004) (15 U.S.C. 657 f).

 (18) 52.219-28, Post Award Small Business Program Rerepresentation (Apr 2009) (15 U.S.C. 632(a)(2)).

 X (19) 52.222-3, Convict Labor (June 2003)(E.O. 11755).

 X (20) 52.222-19, Child Labor—Cooperation with Authorities and Remedies (Feb 2008) (E.O. 13126).

 X (21) 52.222-21, Prohibition of Segregated Facilities (Feb 1999).

 X (22) 52.222-26, Equal Opportunity (Mar 2007)(E.O. 11246).

 X (23) 52.222-35, Equal Opportunity for Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (Sep 2006)(38 U.S.C. 4212).

 X (24) 52.222-36, Affirmative Action for Workers with Disabilities (Jun 1998)(29 U.S.C. 793).

 X (25) 52.222-37, Employment Reports on Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (Sep 2006)(38 U.S.C. 4212).

 X (26) 52.222-39, Notification of Employee Rights Concerning Payment of Union Dues or Fees (Dec 2004) (E.O. 13201).

X (27) 52.222-54, Employment Eligibility Verification (Jan 2009). (Executive Order 12989). (Not applicable to the acquisition of commercially available off-the-shelf items or certain other types of commercial items as prescribed in 22.1803.)

___ (28) (i) 52.223-9, Estimate of Percentage of Recovered Material Content for EPA-Designated Items (May 2008)(42 U.S.C. 6962(c)(3)(A)(ii)). (Not applicable to the acquisition of commercially available off-the-shelf items.)

___ (ii) Alternate I (May 2008) of 52.223-9 (42 U.S.C. 6962(i)(2)(C)). (Not applicable to the acquisition of commercially available off-the-shelf items.)

___ (29) 52.223-15, Energy Efficiency in Energy-Consuming Products (Dec 2007) (42 U.S.C. 8259b).

___ (30) (i) 52.223-16, IEEE 1680 Standard for the Environmental Assessment of Personal Computer Products (Dec 2007) (E.O. 13423).

___ (ii) Alternate I (Dec 2007) of 52.223-16.

___ (31) 52.225-1, Buy American Act--Supplies (Feb 2009)(41 U.S.C. 10a-10d).

___ (32) (i) 52.225-3, Buy American Act –Free Trade Agreements – Israeli Trade Act (Jun 2009) (41 U.S.C. 10a-10d, 19 U.S.C. 3301 note, 19 U.S.C. 2112 note, 19 U.S.C. 3805 note, Pub. L. 108-77, 108-78, 108-286, 108-301, 109-53, 109-169, 109-283, and 110-138).

___ (ii) Alternate I (Jan 2004) of 52.225-3.

___ (iii) Alternate II (Jan 2004) of 52.225-3.

___ (33) 52.225-5, Trade Agreements (Jun 2009) (19 U.S.C. 2501, *et seq.*, 19 U.S.C. 3301 note).

___ (34) 52.225-13, Restrictions on Certain Foreign Purchases (Jun 2008) (E.O.'s, proclamations, and statutes administered by the Office of Foreign Assets Control of the Department of the Treasury).

___ (35) 52.226-4, Notice of Disaster or Emergency Area Set-Aside (Nov 2007) (42 U.S.C. 5150).

___ (36) 52.226-5, Restrictions on Subcontracting Outside Disaster or Emergency Area (Nov 2007) (42 U.S.C. 5150).

___ (37) 52.232-29, Terms for Financing of Purchases of Commercial Items (Feb 2002) (41 U.S.C. 255(f), 10 U.S.C. 2307(f)).

___ (38) 52.232.30, Installment Payments for Commercial Items (Oct 1995)(41 U.S.C. 255(f), 10 U.S.C. 2307(f)).

X (39) 52.232-33, Payment by Electronic Funds Transfer—Central Contractor Registration (Oct. 2003)(31 U.S.C. 3332).

___ (40) 52.232-34, Payment by Electronic Funds Transfer—Other Than Central Contractor Registration (May 1999)(31 U.S.C. 3332).

___ (41) 52.232-36, Payment by Third Party (May 1999)(31 U.S.C. 3332).

___ (42) 52.239-1, Privacy or Security Safeguards (Aug 1996)(5 U.S.C. 552a).

___ (43) (i) 52.247-64, Preference for Privately Owned U.S.-Flag Commercial Vessels (Feb 2006)(46 U.S.C. Appx 1241(b) and 10 U.S.C. 2631).

___ (ii) Alternate I (Apr 2003) of 52.247-64.

(c) The Contractor shall comply with the FAR clauses in this paragraph (c), applicable to commercial services, that the Contracting Officer has indicated as being incorporated in this contract by reference to implement provisions of law or executive orders applicable to acquisitions of commercial items:

___ (1) 52.222-41, Service Contract Act of 1965 (Nov 2007)(41 U.S.C. 351, et seq.).

___ (2) 52.222-42, Statement of Equivalent Rates for Federal Hires (May 1989)(29 U.S.C. 206 and 41 U.S.C. 351, et seq.).

___ (3) 52.222-43, Fair Labor Standards Act and Service Contract Act -- Price Adjustment (Multiple Year and Option Contracts) (Nov 2006)(29 U.S.C.206 and 41 U.S.C. 351, et seq.).

___ (4) 52.222-44, Fair Labor Standards Act and Service Contract Act -- Price Adjustment (Feb 2002)(29 U.S.C. 206 and 41 U.S.C. 351, et seq.).

___ (5) 52.222-51, Exemption from Application of the Service Contract Act to Contracts for Maintenance, Calibration, or Repair of Certain Equipment--Requirements (Nov 2007) (41 U.S.C. 351, et seq.).

___ (6) 52.222-53, Exemption from Application of the Service Contract Act to Contracts for Certain Services--Requirements (Feb 2009) (41 U.S.C. 351, et seq.).

___ (7) 52.226-6, Promoting Excess Food Donation to Nonprofit Organizations. (Mar 2009) (Pub. L. 110-247).

___ (8) 52.237-11, Accepting and Dispensing of \$1 Coin (Sep 2008)(31 U.S.C. 5112(p)(1)).

(d) *Comptroller General Examination of Record.* The Contractor shall comply with the provisions of this paragraph (d) if this contract was awarded using other than sealed bid, is in excess of the simplified acquisition threshold, and does not contain the clause at 52.215-2, Audit and Records -- Negotiation.

(1) The Comptroller General of the United States, an appropriate Inspector General appointed under section 3 or 8G of the Inspector General Act of 1978 (5 U.S.C. App.), or an authorized representative of either of the foregoing officials shall have access to and right to—

(i) Examine any of the Contractor's or any subcontractors' records that pertain to, and involve transactions relating to, this contract; and

(ii) Interview any officer or employee regarding such transactions.

(2) The Contractor shall make available at its offices at all reasonable times the records, materials, and other evidence for examination, audit, or reproduction, until 3 years after final payment under

this contract or for any shorter period specified in FAR Subpart 4.7, Contractor Records Retention, of the other clauses of this contract. If this contract is completely or partially terminated, the records relating to the work terminated shall be made available for 3 years after any resulting final termination settlement. Records relating to appeals under the disputes clause or to litigation or the settlement of claims arising under or relating to this contract shall be made available until such appeals, litigation, or claims are finally resolved.

(3) As used in this clause, records include books, documents, accounting procedures and practices, and other data, regardless of type and regardless of form. This does not require the Contractor to create or maintain any record that the Contractor does not maintain in the ordinary course of business or pursuant to a provision of law.

(e)

(1) Notwithstanding the requirements of the clauses in paragraphs (a), (b), and (c), of this clause, the Contractor is not required to flow down any FAR clause in a subcontract for commercial items, other than—

(i) *Paragraph (d) of this clause.* This paragraph flows down to all subcontracts, except the authority of the Inspector General under paragraph (d)(1)(ii) does not flow down; and

(ii) *Those clauses listed in this paragraph (e)(1).* Unless otherwise indicated below, the extent of the flow down shall be as required by the clause—

(A) 52.203–13, Contractor Code of Business Ethics and Conduct (Dec 2008) (Pub. L. 110–252, Title VI, Chapter 1 (41 U.S.C. 251 note)).

(B) 52.203-15, Whistleblower Protections Under the American Recovery and Reinvestment Act of 2009 (Mar 2009) (Section 1553 of Pub. L. 111-5).

(C) 52.219–8, Utilization of Small Business Concerns (May 2004) (15 U.S.C. 637(d)(2) and (3)), in all subcontracts that offer further subcontracting opportunities. If the subcontract (except subcontracts to small business concerns) exceeds \$550,000 (\$1,000,000 for construction of any public facility), the subcontractor must include 52.219–8 in lower tier subcontracts that offer subcontracting opportunities.

(D) 52.222–26, Equal Opportunity (Mar 2007) (E.O. 11246).

(E) 52.222–35, Equal Opportunity for Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (Sept 2006) (38 U.S.C. 4212).

(F) 52.222–36, Affirmative Action for Workers with Disabilities (June 1998) (29 U.S.C. 793).

(G) 52.222–39, Notification of Employee Rights Concerning Payment of Union Dues or Fees (Dec 2004) (E.O. 13201).

(H) 52.222–41, Service Contract Act of 1965 (Nov 2007) (41 U.S.C. 351, *et seq.*).

(I) 52.222–50, Combating Trafficking in Persons (Feb 2009) (22 U.S.C. 7104(g)).

(J) 52.222–51, Exemption from Application of the Service Contract Act to Contracts for Maintenance, Calibration, or Repair of Certain Equipment-Requirements (Nov 2007) (41 U.S.C. 351, *et seq.*).

(K) 52.222–53, Exemption from Application of the Service Contract Act to Contracts for Certain Services-Requirements (Feb 2009) (41 U.S.C. 351, *et seq.*).

(L) 52.222–54, Employment Eligibility Verification (Jan 2009).

(M) 52.226–6, Promoting Excess Food Donation to Nonprofit Organizations. (Mar 2009) (Pub. L. 110–247). Flow down required in accordance with paragraph (e) of FAR clause 52.226–6.

(N) 52.247–64, Preference for Privately Owned U.S.-Flag Commercial Vessels (Feb 2006) (46 U.S.C. Appx. 1241(b) and 10 U.S.C. 2631). Flow down required in accordance with paragraph (d) of FAR clause 52.247–64.

(2) While not required, the contractor may include in its subcontracts for commercial items a minimal number of additional clauses necessary to satisfy its contractual obligations.

6. CONTRACT SPECIFICATIONS

6.1 Scope of Contract

Fabricate Forest Service signs according to specification in this scope of work, sign requisition form FS-7100-63, and in *Standards for Forest Service Signs and Posters, EM-7100-15 (December 2005)*.

Quantities:

- Trail Signs - routed oak (unfinished) = 93 signs
- Trail Signs – HDPE routed recycled plastic = 128 signs
- Recreation Site Signs – HDPE routed recycled plastic = 20 signs
- Forest Road Destination Signs – retroreflective aluminum = 6 signs

Legend:

Wording and symbols are specified in attached Form FS-7100-63 (51 pages).

Trail Signs (TD-1, TD-2, TD-3, TD-4, and TD-5): text is all 1" capital letters (ASA Series C). Oak trail signs will all have scorched letters. HDPE routed recycled plastic signs all have cream letters on brown background, as specified in EM-71-15. Arrow dimensions and spacing are specified in EM-7100-63, Chapter 5b.

Recreation Site Signs RSE-A: facility name text is 3" letters, ASA Series D (initial caps, lower case) in brown letters on cream background; facility type is 3" letters, ASA Series D (upper case) in cream letters on brown background.

Recreation Site Signs RSE-B: facility name text is 4" letters, ASA Series D (initial caps, lower case) in brown letters on cream background; facility type is 4" letters, ASA Series D (upper case) in cream letters on brown background.

Forest Road Destination Signs (RFD): Use Type III – High Intensity sheeting. Apply edge tape. Lettering is all 4" capital letters (ASA Series C), fully retroreflective, white letters and border on brown background. Symbol size is 18". Dimensions and spacing are specified in EM-7100-63, Chapter 3D.

Finish Work:

Where specified on sign requisition form FS-7100-63, pre-drill trail signs (TD-1, TD-2, TD-3, TD-4, and TD-5) for 3/8" lag screws: two holes in vertical alignment, centered above text and below text.

6.2 AGAR 452.211-75 Effective Period of Contract (FEB 1988)

The effective period of this contract is from issuance of the Notice To Proceed through 90 calendar days.

7. ATTACHMENTS

The attachments listed below form a part of this solicitation and any resultant contract:

Trail Signing Specifications

Trail Signing Drawings

Traffic Control Devices Drawings

Recreation Site Signs Drawings

Chapter 5 Trail Signing

5.1 Introduction

This chapter provides standards and guidelines for the use of signs and posters on National Forest System trails (NFSTs).

Chapter 5A contains typical sign placement and installation information for common trail situations.

Chapter 5B contains standard drawings for common trail signs.

Use trail signage to provide opportunities for experiencing nature while engaging in outdoor recreation in an improved, aesthetic atmosphere that is consistent with policy (FSH 2309.18) and forest plan direction.

Select and use trail signs, posters, and markers to consistently provide the following:

- Route identification (number, name, or both)
- Guidance and distance to trail destinations and key points of interest
- Safety features, such as snow shelters and resorts
- Route reassurance and confirmation
- User safety: warnings of known hazards
- Notice of restrictions where use control is necessary
- Protection of resources

Additional locations and conditions for which signing may be needed include the following:

- Trail termini
- Junctions with other trails and roads
- Administrative boundaries
- Special management areas
- Lakes, streams, and other features identified on maps, trail guides, or at the trailhead
- Interpretive opportunities

Additional information on trail signage is located at:

Trail Matrix - <http://www.fs.fed.us/r3/measures/Inventory/Trails.htm>

5.1.1 ROS Guidelines

A key element for developing and managing a trail sign program is the Recreation Opportunity Spectrum (ROS). ROS classes or similar management guidelines have been adopted for each forest plan management area.

ROS offers a framework for understanding the relationships of signing and other management actions in various settings to the kinds of experiences visitors have. For example, hiking in a large, undeveloped area with difficult access and few signs that provide limited information enhances the hiker's feelings of self-reliance with respect to orienteering skills, self-discovery, challenge, and solitude. In contrast, walking easy interpretive trails outside a visitor center with numerous signs and information offers the visitor more comfort, security, opportunities for learning, and social opportunities.

Use trail signage

to provide

opportunities for

experiencing nature

while engaging in

outdoor recreation

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ROS guidelines may be found at

<http://www.fs.fed.us/recreation/programs/beig/beig6c.htm>

Table 5-1 contains specific ROS information for trail signs.

Table 5-1—Recreation Opportunity Spectrum selection guide for materials, colors, and finishes for trail signs, markers, and supports

Item	Primitive	Semiprimitive		Roaded, natural	Rural/urban
		Nonmotorized	Motorized		
1. Sign materials	Solid wood (or appearing so)	Solid wood (or appearing so)	Solid wood, plywood, limited use of synthetics and metal	Wood, metal, fiberglass, limited use of synthetics and metal	Wood, metal, fiberglass, synthetics
Color or finish	Natural or stained; preservative not evident	Natural or stained; preservative not evident	Natural, stained, or painted Retroreflective	Stained or painted Retroreflective	Painted, stained, etched or with applied decals Retroreflective
2. Sign support materials	Tree or rustic post	Tree or rustic post	Post or tree; limited use of synthetics	Wood, metal, or other synthetic post	Wood, metal, or other synthetic post
Color or finish	Natural or stained; preservative not evident	Natural or stained; preservative not evident	Natural, stained, or painted; preservative may be evident	Stained or painted	Painted, stained, anodized, and so on
3. Reassurance markers	Cut/painted blazes; routed and scorched, or branded solid wood (or appearing so); limited use of synthetics when a national standard; wood guide poles or rock cairns	Cut/painted blazes; routed and scorched, or branded solid wood (or appearing so); limited use of synthetics when a national standard; wood guide poles or rock cairns	Cut/painted or synthetic blazes; routed and scorched; or branded wood; wood guide poles or rock cairns Retroreflective	Cut/painted or synthetic blazes; wood, metal, and synthetic markers Retroreflective	Painted metal or synthetic Retroreflective

In addition to the ROS, consider the following in determining the proper sign, size, material, placement, and mounting requirements for trail signage:

- Managed uses for the trail
- Scenic integrity objectives
- Travel speed
- Viewing distance
- Clear-zone requirements (Chapter 3A)
- Nighttime visibility needs

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5.1.2 Accessibility

Where trails managed for hikers have been evaluated for accessibility, post the following in addition to the standard message with the trail identity and destinations at the beginning of the trail:

- Typical and maximum trail grade
- Typical and maximum tread cross slope
- Minimum clear tread width
- Tread surface type and firmness
- Any major height obstacles (as appropriate)

Forest Service accessibility guidelines, including the Forest Service Trails Accessibility Guidelines and the Forest Service Outdoor Recreation Accessibility Guidelines, can be viewed at:

<http://www.fs.fed.us/recreation/programs/accessibility/>

5.1.3 Access and Travel Management

Consider the travel management direction for the trail system. Travel management is crucial to help guide and manage visitors from the time they first enter the forest, to the time they reach their destinations and then return to the point of entry. Use appropriate guide signs for the traffic that is encouraged (that is, the actively managed uses of the trail). To the extent possible, accomplish travel management regulation through trail atlas use maps and/or travel management signs at trail termini and junctions. Refer to Chapter 6 for information on access and travel management signage.

5.1.4 Sign Planning

Follow the direction in Chapter 2 for developing, monitoring, and maintaining a comprehensive sign plan for each trail or trail complex. Include all signing in trail design and/or rehabilitation planning. Monitor signing effectiveness through visitor contacts and observation of compliance. Provide the minimum signs necessary to adequately and properly guide the user.

5.1.4a Recreational Studies, Engineering Studies, and Engineering Judgment

Recreation plans or studies should be used to determine appropriate signing for nonmotorized and nonmechanized trail systems and for guide signs on all trails.

Recreation studies or reviews should be used to determine appropriate warning and regulatory signs and traffic control devices for motorized trails and bicycle/mountain bike trails **when use is entirely on NFSTs**.

Engineering studies or judgment should be used to determine appropriate warning and regulatory signs and traffic control devices for motorized trails and bicycle/mountain bike trails **when use is on National Forest System Roads (NFSRs)**.

Coincident routes that involve NFSRs and NFSTs shall follow the Manual on Uniform Traffic Control Devices (MUTCD) and Forest Service standards for roads.

Refer to Section 3.8 for information on engineering judgments and engineering studies.

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5.1.5 Coincident Routes

A coincident route is defined as a single route that is managed as part of two different inventoried routes in the Forest Transportation Atlas. An example is a NFSR that is also a NFST. There are two types of coincident routes:

1. **Concurrent coincident route:** A coincident route on which the uses are simultaneous and must be managed for mixed traffic.
2. **Separate coincident route:** A coincident route on which the uses are not simultaneous but separate, so the route is not managed for mixed traffic. Separate use periods may occur by:
 - Specific times, such as weekday and weekend.
 - Seasons, such as a summer road and a winter snow trail.

Decisions to manage and sign coincident routes involving NFSRs must be based on engineering judgment or an engineering study. Routes shall be signed before concurrent use occurs. Refer to Section 3A.7.3 for information on proper signing of coincident routes involving NFSRs.

Coordinate the signing of coincident routes (road and trail or trail and trail) to avoid confusion between types of users.

Where nonconcurrent seasonal or specific time use is allowed or designated on system roads closed to standard highway vehicles, follow the appropriate trail standards. Remove, fold up, or cover any road signs that are inappropriate or distracting to the trail user. When the roads are open to highway vehicular traffic and closed to the trail traffic, signing shall meet MUTCD and Forest Service standards for roads. Remove, fold up, or cover any trail signs that are inappropriate or distracting to the general driving public. Generally, trail reassurance markers may be left in place.

When use is concurrent (that is, the road is open to highway vehicular and trail traffic at the same time), signing shall meet MUTCD and Forest Service standards for roads. Signs should be appropriate for both user groups. If signed, destinations should be reachable by the road and trail traffic.

Where bicycle use occurs in conjunction with a road or where the bicycle trail is paved, follow the guidelines in the MUTCD, Chapter 9.

For coincident nonmotorized terra trails and snow trails with nonconcurrent seasonal or specific time use, do not seasonally change the snow trail reassurance blazers to the gray/white summer blazers unless necessary for added visual contrast with dark summer backgrounds.

5.1.6 Requirements for Retroreflection

Signs for roads, motorized trails, urban cross-country ski trails, paved bicycle trails, and mountain bike trails as well as other signs intended to be seen at night shall be retroreflective to show the same shape, color, and message both day and night.

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5.1.7 Sign Sizes

Signs should be sized according to the viewing distance and the normal rate of travel or the desired speed of the trail vehicle.

For nonmotorized hiker/pedestrian and pack and saddle trails, 1-inch letters are adequate for most viewing situations.

For motorized and other trail systems such as bicycle trails, determine adequate sign sizes through appropriate studies or reviews. (See Section 5.1.4a.)

For motorized, bicycle, and cross-country ski trails, see Table 5-2 for recommended minimum sizes for signs.

Letter size for interpretative, safety, and other informational signs or posters is dependent upon the distance from which the message is to be viewed. See Chapter 10A for additional information.

Table 5-2—Minimum sign sizes for motorized, bicycle, and cross-country ski trails

Minimum letter size (<i>inches</i>)	Minimum size recreation symbol (<i>inches</i>)	Minimum size warning sign (<i>inches</i>)
2	12	12 x 12



5.1.8 Adopt-a-Trail Signs

Adopt-a-Trail signs may be used as needed to recognize cooperators' help with trails.

5.2 Regulatory and Warning Signs

For on-trail signing needs, use standard regulatory and warning sign messages, shapes, and colors as found in the MUTCD and Chapter 3A. Nonstandard message signs shall be approved by the Washington Office Director of Engineering. Table 5-3 gives specific trail regulatory and warning sign information for the different types of trails.

5.2.1 Regulatory Signs

Provide regulatory information at the trailhead if possible. Stress education approaches over restrictions. Compose regulatory sign messages that minimize prohibitory language. Use a courteous tone and explain restrictions in terms of easily understood resource or user benefits with which the public can relate.

Limit use of on-trail regulatory signs and posters to the minimum needed in order to:

- Ensure consistent protection of the trail and adjacent resources.
- Provide for the safety and enjoyment of the user.
- Provide for enforcement of regulations.

The traffic management strategies of “discourage” and “eliminate” may be preferable to the use of regulations in some cases.

Place regulatory signs at the point of regulation.

Larger signs may be used for increased visibility or strong emphasis when need has been determined.

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5.2.2 Warning Signs and Markers

Consistent with the management plan for the trail or area, use warning signs to alert users of known hazards that, relative to the ROS setting, are unusual, unexpected, or not readily apparent to the typical visitor under conditions when use normally occurs. Consider changing trail grade, alignment, or location or taking other measures to mitigate the hazard before using a warning sign. Do not use warning signs and markers in wilderness.

Use adequate advance placement distances for warning signs to allow time for safe user response.

When a need has been determined, use standard object markers according to the following direction and guidance in Chapter 3 to identify obstructions within or adjacent to the trail:

- Type II object markers are used to mark collision hazards adjacent to the trail, such as dropoffs or culvert ends that coincide with abrupt alignment changes or that are obscured by vegetation.
- Type III object markers are used to mark collision hazards within the trailway, such as bridge railings or abutments narrower than the travel way.

Table 5-3—Regulatory and warning sign requirements

Trail type	Sign face	Minimum size (inches)	Color	Shape or sign type
Hiker/pedestrian pack and saddle	Retroreflective not required; use for added emphasis	Warning: 12 x 12	If used, follow MUTCD colors	If used, follow MUTCD shapes
Wilderness	Never retroreflective	Regulatory: limited use at trailhead Warning: do not use	NA NA	NA NA
Cross-country ski, urban setting or night skiing	Shall be retroreflective	Warning: 12 x 12	Shall follow MUTCD colors	Shall follow MUTCD shapes
Cross-country ski, semi-primitive motorized and nonmotorized ROS	Retroreflective not required; use for added emphasis	Warning: 12 x 12	If used, follow MUTCD colors	If used, follow MUTCD shapes
Bicycle, paved or coincident with roads	Shall be retroreflective	Shall follow MUTCD Table 9B-1	Shall follow MUTCD colors	Shall follow MUTCD shapes
Mountain bike	Shall be retroreflective	Warning: 12 x 12	Shall follow MUTCD colors	Shall follow MUTCD shapes
ATV/motorcycle	Shall be retroreflective	Warning: 12 x 12	Shall follow MUTCD colors	Shall follow MUTCD shapes
Snowmobile	Shall be retroreflective	Warning: 12 x 12	Shall follow MUTCD colors	Shall follow MUTCD shapes
Water	Shall be retroreflective	Warning: 12 x 12	Shall follow MUTCD colors	Shall follow MUTCD shapes

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5.3 Guide Signs

Use guide signs to identify the trail and its directions and for guidance to destinations.

Signs shall be located either at the junction or in advance of the junction such that trail junctions are evident.

Three types of guide signs are used on NFSTs (see Figure 5-1).

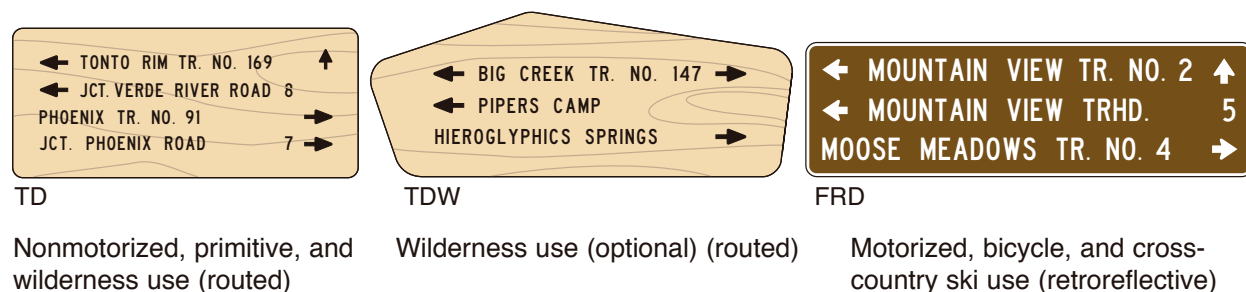


Figure 5-1 — Trail directional signs.

5.3.1 Signing Rules for Guide Signs

5.3.1a Nonwilderness Trails

1. Route identification (required)

- Route identification (trail name, number, or both) and the trail direction(s) are required for all system trail legs at all NFST junctions.
 - Example: Great Ridge Tr. No. 458 ➡.
 - Exception: Do not identify trail legs on which traffic is discouraged, prohibited, or against one-way traffic flow.
- Use only names and numbers that appear on the most current Forest Service trail maps.
- Include national trail designations as appropriate.
- The trail route identification and its direction(s) should always be signed first and then followed by the destinations associated with that trail.

2. Destinations

- Required trail destinations
 - Exit signing: At a minimum, show the direction and distance to the trailhead or trail access point at the first junction from the trailhead or access point.
- Optional trail destinations
 - Facilities such as trailheads, campgrounds, picnic areas, winter shelters, rental cabins, and other key points of interest
 - Major geographic or natural features such as lakes, major rivers and streams, passes, falls, and meadows
 - Administrative structures such as guard stations

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- Sign only those destinations that can be readily accessed by the intended trail user.
- If a destination has been identified on a guide sign, identify it on all subsequent guide signs along the trail until the destination is reached.
- Identify destinations that previously appeared on guide signs so visitors will know they have reached their destinations. The name of the destination or feature, when reached, should be either (1) a single sign panel or (2) a top-centered line when included on a sign containing route and destination information, as shown in Figure 5-2.
- Listing a trail or road as a destination is not desirable. A junction with another trail or road can be a destination and, if signed, should be signed with its appropriate directional arrow and distance (for example: JCT. WORMWOOD TR. NO. 222 5 ➡.)
- Where clearer meaning will result on nonwilderness trails, use standard Federal Recreation Symbols in lieu of words.
- When words are used, complete words are preferable. Abbreviate where message length causes excessive sign length and where the abbreviation cannot be misunderstood. For standard abbreviations, refer to Chapter 1.

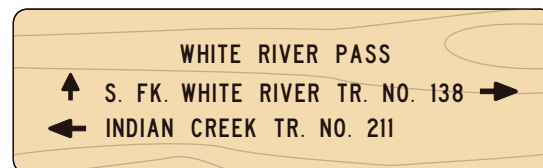
3. Distances

Distances shall be used when showing destinations.

- Distances shall be used when showing destinations.
- Show destination mileages for each destination as fractions to the nearest $\frac{1}{4}$ or $\frac{1}{2}$ mile for destinations up to 3 miles; after 3 miles, show to the nearest mile.
- Only cross-country ski trails are measured in kilometers. Use decimal kilometers up to 1 kilometer (0.1 to 0.9). Distances shall be rounded to the nearest kilometer with no decimal after 1 kilometer.



Feature or destination name only



Feature name and route and destination information

Figure 5-2—Feature identification.

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5.3.1b Wilderness Trails

Use signs within wilderness and primitive areas **only** when necessary to protect the resource or to provide for visitor safety.

1. Route Identification

- Identify trail legs at all system trail intersections where necessary. Route identification may include trail name, number, or both, or locally identifiable destination. Include appropriate directional arrow(s).
- When consistent with other trail markings, blazes or cairns may be used in lieu of guide signs to indicate trail direction

2. Destinations

- Show direction arrows only.
- Required trail destinations
 - Exit signing: show the direction to the trailhead or trail access at the first junction from the trailhead or access point.
- Prohibited destination signing
 - Do not sign major destinations at the destination location.
 - Do not sign geographic or natural features.
- Optional trail destinations
 - Guide signs may be used to identify appropriate trail destinations.
 - Administrative structures may have an identification sign.

3. Distances

- **Do not provide mileages.**

4. Prohibited signs

- Do not use standard Federal Recreation Symbol signs.
- Do not use interpretive information or locator signs.

5.3.2 Guide Sign Layout

Limit guide signs to four lines of text for best user comprehension, sign readability, and stability. If more lines are needed, use two sign panels. Do not use more than five lines of text on a sign.

5.3.2a Arrows

Arrow placement on signs is extremely critical to the functionality of the sign. As a general rule, directional arrows should be horizontal or vertical, but at irregular intersections, an oblique arrow may convey a clearer indication of the direction to be followed. In some cases, especially trail junctions, combinations of arrows may be needed.

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5.3.2b Arrow and Mileage Sequence

Arrow placement controls the message sequence first, then mileages.

Standard arrow sequence with mileages is as follows:

1. Straight ahead (vertical) arrows, lowest mileage first.
2. Left arrows, lowest mileage first.
3. Right arrows, lowest mileage first.

Arrows pointing straight ahead and to the left shall be to the extreme left of the line of text, while arrows pointing to the right shall be to the extreme right of the text. These principles and guidelines are illustrated in Figure 5-3.

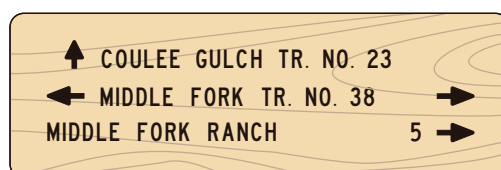


Figure 5-3—Standard arrow placement.

5.3.2c Message Sequence

1. If at a destination to be named, centered name or destination or geographic feature
2. First trail (based on proper arrow sequence) identity and its direction(s)
3. Destinations and mileages for features on or accessed by first trail
4. Second trail (based on proper arrow sequence) identity and its direction(s) (if applicable)
5. Destinations and mileages for features on or accessed by second trail
6. Additional trails and destinations as needed

Text lines and arrows for route identities and destinations are to be left-justified first and then right-justified if possible. (See Figure 5-4.)

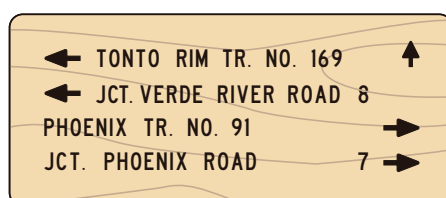


Figure 5-4—Typical sign layout.

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5.3.2d Special Cases

Trail signs require that the trail route identification and its direction(s) be signed first; the destinations associated with that trail are then listed under the trail identification. L junctions require combinations of arrows that are an exception to the standard arrow placement rules.

The sign shown in Figure 5-5 is for a trail that has a right L junction. In order to represent the trail and the destinations on that trail properly, the destination to the right must be signed before signing the next trail leg and any destination to the left.

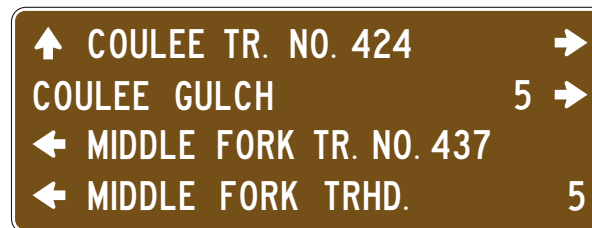


Figure 5-5— Trail sign with a right L junction.

The sign shown in Figure 5-6 is for a trail that has a left L junction. In order to represent the trail and the destinations on that trail properly, the vertical arrow must be placed on the right and, if signing a straight ahead destination, the up arrow will be next under the left arrow in its proper position on the left of the sign.

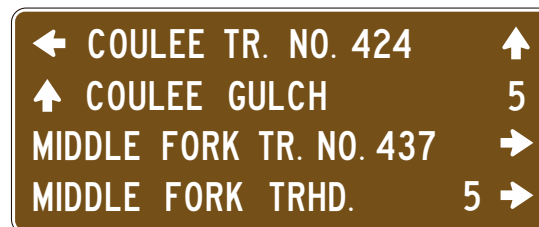
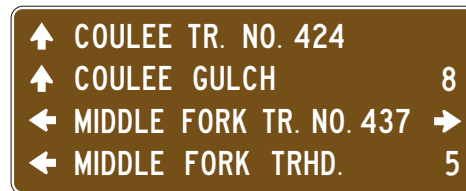


Figure 5-6— Trail sign with a left L junction.

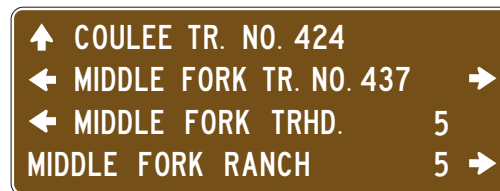
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5.3.2e Mileage Layout

Mileage is not to be aligned in the same column as the trail numbers. There are three options for displaying mileage on signs (Figure 5-7):



1. Mileage for up and left directions may be aligned in the same column with the right arrows (right justified).



2. All mileage may be placed in a single column before the arrows on the right.



3. Mileage may be entered with the text line.

Figure 5-7—Three options for mileage display.

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5.4 Sign Specifications

Select the sign material, color, size, and shape that best suit the trail purpose and the ROS class (see Table 5-1) or management prescription for the area. Signs shall conform to the specifications in Chapter 14.

Table 5-4 gives specific trail guide sign information for the different types of trails. Text requirements are consistent with series established by the American Standards Association (ASA).

Table 5-4—Guide sign requirements

Trail type	Sign face	Capital ASA Series C text	Color	Shape
Hiker/pedestrian pack and saddle	Typically routed	1 inch, routed	Unfinished wood with scorched or blackened legend or WPC material	TD
Wilderness	Routed only	1 inch, routed	May be unfinished wood with scorched or blackened legend	TD or TDW
Cross-country ski urban setting or night skiing	Shall be retroreflective	2 inches, minimum	White legend on brown background	FRD
Cross-country ski semi-primitive motorized and nonmotorized ROS	May be routed	1 inch, routed	May be unfinished wood with scorched or blackened legend or WPC material	TD
Bicycle paved or coincident with roads	Shall be retroreflective	2 inches, minimum	White legend on brown background	FRD
Mountain bike	Shall be retroreflective	2 inches, minimum	White legend on brown background	FRD
ATV/motorcycle	Shall be retroreflective	Capital ASA Series C, 2 inches, minimum	White legend on brown background	FRD
Snowmobile	Shall be retroreflective	2 inches, minimum	White legend on brown background	FRD
Water	Shall be retroreflective	2 inches, minimum	White legend on brown background	FRD

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5.5 Junction Identity Signs

In a trail system where junctions are designated with numbers or letters, a junction identity sign may be used. Signs should use “JCT” followed by the number or letter of the junction.

With junction-numbered or junction-lettered systems, it is especially important to ensure that trail maps or locator map signs are available either at the trailhead or along the trail.

Use junction signs in conjunction with trail guide signs at the trail junction. Mount above or below the guide sign on the same post (see Figure 5-8). Table 5-5 gives specific trail junction identity sign information for the different types of trails.

Table 5-5—Junction identity sign requirements

Trail type	Sign face	Capital ASA Series C Text	Color	Shape
Hiker/pedestrian pack and saddle	Typically routed	1 inch, routed	Unfinished wood with scorched or blackened legend or WPC material	Rectangle
Wilderness	Routed only	1 inch, routed	May be unfinished wood, scorched or blackened legend, or WPC material	TD or TDW
Cross-country ski urban setting or night skiing	Shall be retroreflective	2 inches, minimum	White legend on brown background	FRD
Cross-country ski semi-primitive motorized and nonmotorized ROS	May be routed	1 inch, routed	May be unfinished wood with scorched or blackened legend, or WPC material	TD
Bicycle paved or coincident with roads	Shall be retroreflective	3 inches, minimum	White legend on brown background	FRD
Mountain bike	Shall be retroreflective	2 inches, minimum	White legend on brown background	FRD
ATV/motorcycle	Shall be Retroreflective	2 inches, minimum	White legend on brown background	FRD
Snowmobile	Shall be retroreflective	2 inches, minimum	Black legend on orange background	9 in x 12 in diamond TB-2
			White legend on brown background	FRD
Water	Shall be retroreflective	2 inches, minimum	White legend on brown background	FRD

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5.6 Locator Map Signs

Use of self-locator map signs is often appropriate at a trail junction to provide an extra measure of orientation and security. At a minimum, the map should clearly display the trail system and the user's location, when at that particular map, with a "You Are Here" arrow.

Depending on the type of trail system, other information may be needed, such as groomed or ungroomed conditions. See Figure 5-8.

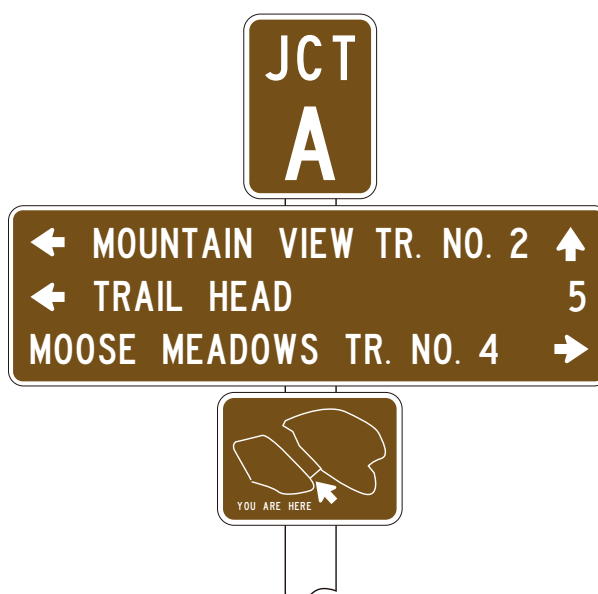


Figure 5-8—Typical trail guide sign installation.

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5.7 Trail and Road Crossings

When trails cross each other or roads, there is a potential for accidents.

When roads and trails cross, MUTCD and Forest Service standards shall be followed. Determine the need for intersection control on the trail and/or the need for crossing signs on the road by engineering judgment or in an engineering study.

When trails cross each other, determine appropriate signing by a recreation study or review. Consider the road or trail characteristics, sight distance, stopping distance, traffic types, volumes, speeds, and applicable state traffic laws. Refer to Chapter 3A.

Crossing signs shall be located at the best possible sight and stopping distance for both the road user and the trail user. Signs should be placed 10 to 15 feet from the road shoulder or far enough back to be outside of snow berms when roads or trails are plowed.

Road crossings and their related signing shall be coordinated with the governing road agency.

5.7.1 Regulatory and Warning Signs

Advance crossing or crossing warning signs (MUTCD Vehicular Traffic and Nonvehicular Signs Series W11) may be used to warn the users driving on roads of trail traffic crossing the road.

Regulatory and warning signs may also be needed on the trail to regulate or control the trail users before they cross the road.

While STOP and YIELD signs are generally not needed where trails cross each other, evaluate each crossing on a site-by-site basis.

Refer to Figure 5A-1 for typical placement of regulatory and warning signs on the road and on the trail.

5.7.2 Guide Signs

Retroreflective road guide signs may be used to identify trail access points where trails cross a road or terminate on a road and where trailhead parking facilities have not been developed. Use Federal recreation symbols as appropriate to mark crossings. Refer to Figure 5A-2 for typical placement of road guide signs.

Install road guide signs only where traffic safety will not be compromised by slowing or stopping vehicles and where there are appropriate turnouts within sight distance for safe parking. Guide signs shall not be installed where there are no safe approaches and turnouts.

Refer to Chapter 3C for sizing, placement, and mounting. As a general rule, road signs should be placed before the intersection at a sufficient distance as determined by engineering judgment or study that considers speed, sight distance, traffic volume and type, season of use, and the location of other possible conflicting intersections.

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5.8 Reassurance Markers

Reassurance markers reconfirm the identity, location, or route of the trail. Use appropriate standard route markers, blazers, cairns, or guide poles where needed to reassure travelers that they are on the trail. Do not use where the trail is self-defining under conditions in which use normally occurs, or if excluded under the trail management plan.

Do not place access and travel management information on reassurance markers. Access and travel management information needs to be displayed separately with sufficient detail to show dates or reasons.

From the following markers, select those that are most appropriate for the trail type and ROS Class (see Table 5-1):

1. Route markers

A route marker provides the minimum information necessary to reconfirm the trail identity. It should include the route number or letter, any specific logos such as National Trail markers, and the appropriate trail blazer. Do not place agency or cooperator logos on the route marker. See Figure 5-9 for priority of placement of the different symbols on route markers.

Use the minimum number of route markers along the trail, at road crossings, past trail junctions, and at termini as needed to reconfirm the identity of the trail.

Where vandalism is a problem, it may be advisable to place the route marker a short distance along the trail, beyond and out of sight of trail beginnings and crossings of roads or other trails.

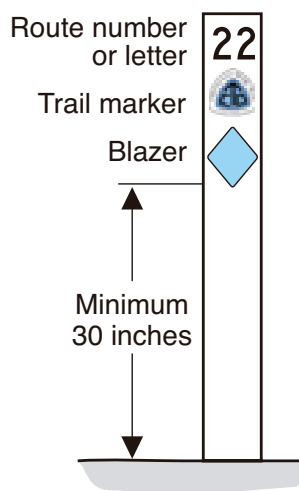


Figure 5-9—Priority and placement of reassurance markers.

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a) Route number or letter

Place the route identification number or letter at the top of post. The following methods may be used:

- Number or letter routed and scorched, blackened, or branded into wood post or sign
- Number or letter on wood, aluminum, plastic, or fiberglass substrate, screw mounted to wood post
- Number or letter decal affixed to fiberglass post

On metal markers, white numbers or letters on brown background are recommended.

b) Trail markers

When the trail has a designated logo (such as a National Scenic Trail, National Recreation Trail, or National Historic Trail) place the appropriate marker beneath the route identification number or letter. Follow ROS guidelines and the management direction established for the trail. Table 5-6 gives specific trail marker information for the different types of trails.

Table 5-6—Reassurance marker requirements

Trail type	Sign face	Blazer	Color	Size (inches)
Hiker/pedestrian pack and saddle	NA	TB-1 Cut/painted/branded	Grey/white Natural	5 x 7
Wilderness	NA	Cut or branded Do not use plastic	Natural	
Cross-country ski urban setting or night skiing	Shall be retroreflective	TB-1	Blue	5 x 7
		TB-2 with arrow		9 x 12
Cross-country ski semi-primitive motorized and nonmotorized ROS	May be retroreflective	TB-1	Blue	5 x 7
		TB-2 with arrow		9 x 12
Bicycle paved or coincident with roads	Shall be retroreflective	Federal Recreational Symbol RL-090	White legend on brown background	Minimum 12 square inches
Mountain bike	Shall be retroreflective	Federal Recreational Symbol RL-090	White legend on brown background	Minimum 3 square inches
ATV/motorcycle	Shall be retroreflective	Federal Recreational Symbol RL-150 or RL-170	White legend on brown background	Minimum 3 square inches
Snowmobile	Shall be retroreflective	TB-1	Orange or Fluorescent orange	5 x 7
		TB-2 with arrow		9 x 12
Water	Shall be retroreflective	Federal Recreational Symbol RW-020	White legend on brown background	Minimum 3 square inches

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c) Snow trail difficulty levels

Snow trail difficulty levels are used to provide general user information for snow trails.

DO NOT use these difficulty levels for hiking/pedestrian trails to indicate degree of difficulty based on accessibility. (Refer to Section 5.1.2.)

Difficulty levels are based on a national set of characteristics and standards, not on a comparison of trails against one another. See FSH 2309.18 for policy concerning use and application of difficulty levels.

Use of signage or maps that indicate national trail difficulty standards is necessary to ensure consistency. Consider site-specific signage or map information that indicates the physical trail standards and maintenance and/or grooming schedules.

Simplified difficulty symbol: This symbol (Figure 5-10) indicates a generic degree of difficulty. It is not site specific and often does not present the trail user with enough information.

Signing difficulty levels with simplified difficulty symbols is optional. If these symbols are used, they shall be used in accordance with the national trail standards found in the Forest Service Handbook exhibits for trail activities. When using a difficulty symbol, identify the difficulty level of the trail at the information board, beginning of the trail, and where significant changes occur in trail segments. Simplified difficulty symbols are shown in Figure 5-10.

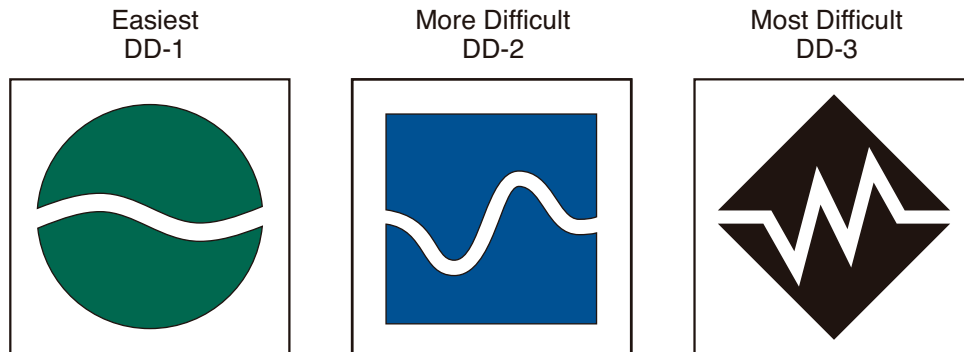


Figure 5-10—Simplified difficulty symbols.

2. Blazers

If the trail is well defined, very few blazer reassurance markers are needed except for openings and road or trail crossings. For trails that are not well defined, blazers may need to be intervisible during conditions under which use normally occurs.

When blazer reassurance markers are used, place them on posts or trees at least 5 feet above tread level or expected snow level for winter trails. Blazers generally are placed on the right side of the trail but should be placed on the side that provides the most visibility and clearest indication of direction.

Use only cut, painted, or branded/scorched blazes in wilderness. Limit painted blazes only to those wilderness trails identified in the National Trails System Act, and associated intersecting trails where determined necessary.

Chapter 5 Trail Signing

a) Colored diamonds

Use the small TB-1 (5 by 7 inches) metal or plastic diamond marker (see Figure 5-11), retroreflective (for night use) or nonreflective when called for in the trail management plan. Do not use colored diamonds for wilderness trails.

Mount on trees or, where properly positioned trees are not available, on posts. When diamond markers are to be mounted on trees, aluminum nails should be used. Leave a portion of the shank exposed to allow for tree growth.

An arrow may be placed in the center of the TB-2 (9 by 12 inches; see Figure 5-11) to indicate the trail direction for additional visibility in open areas or to indicate continuing direction or an unusual change in direction that does not present a hazard. Do not use these markers in lieu of curve, turn, or other warning signs where conditions require a standard warning sign as determined by recreational studies or review or engineering study or judgment. Use this method sparingly and not in place of a standard blazer.

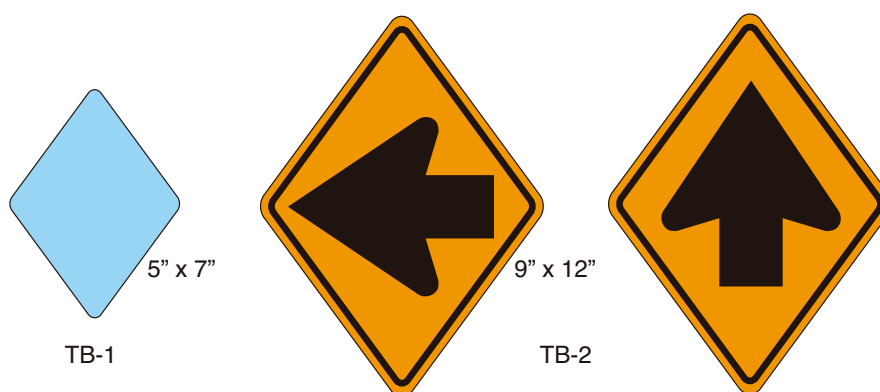


Figure 5-11 — Colored diamond blazers.

b) Cut blazes

Use cut blazes when called for in the trail management plan. Cut blazing is the preferred reassurance marking system in wilderness areas where trees are available. Improper blazes cannot be corrected. Cut blazes carefully and cleanly to conform closely to the dimensions shown in Figure 5-12.

c) Painted blazes

Use painted blazes on trees or rocks only where specified in the trail management plan. Do not paint without using a template and paint carefully to specified dimensions and color.

d) Branded or routed and scorched blazes

Either branded blazes or routed and scorched blazes may be used where specified in the trail management plan.

Field branding may be used on the face of the guide sign or on a flattened portion of the tree or post that supports the guide sign.

Chapter 5 Trail Signing

The blaze may also be branded or routed and scorched in a shop on the following:

- The face of the guide sign
- A 6- by 10-inch piece of wood the same substrate as the guide sign
- The support post for the guide sign

Directional arrows may be branded or routed and scorched below the blaze, indicating the direction(s) of the trail.

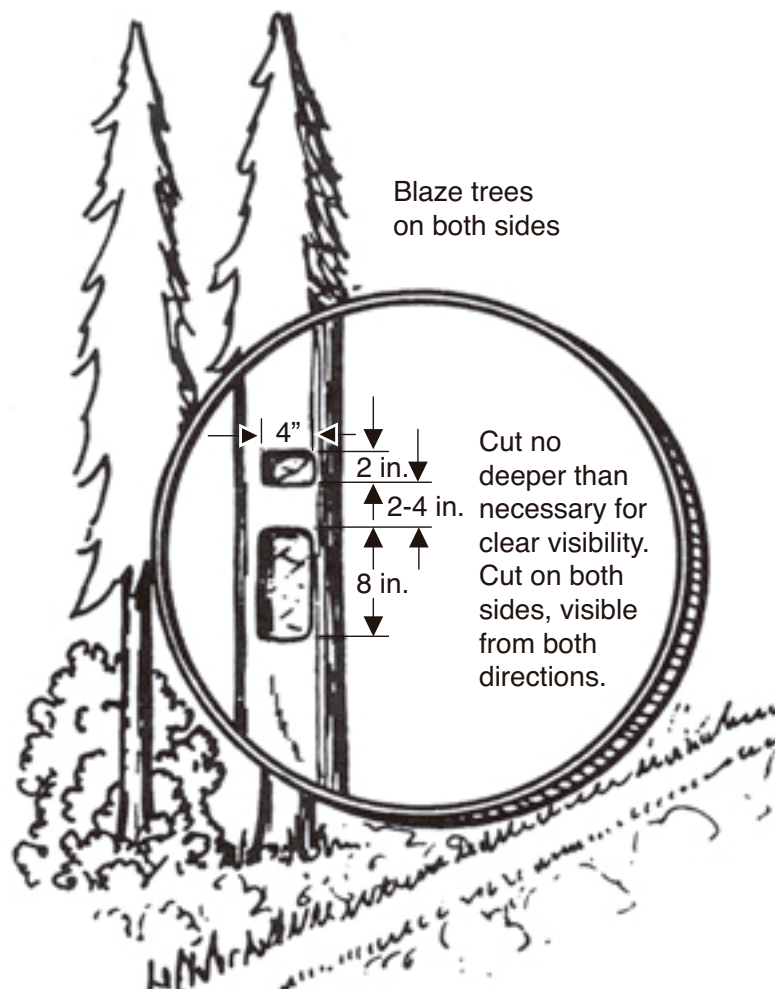


Figure 5-12—Cut blazes.

e) Federal recreational symbols

Minimum 3-inch Federal recreation symbols such as RL-170 or RL-090, may be used as reassurance blazes. Symbols shall be mounted to posts such as flexible fiberglass. National recreation trail symbols shall not be used as reassurance markers.

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3. Cairns

Rock cairns may be used through rocky, treeless areas as necessary for guidance and safety. Base spacing on visibility conditions expected during adverse weather.

See Figure 5-13 for typical details. Select and fit rocks for stability against displacement. Construct cairns so they are high enough to appear above vegetation. Where practicable, set guide poles or posts in cairns where needed for winter travel guidance.

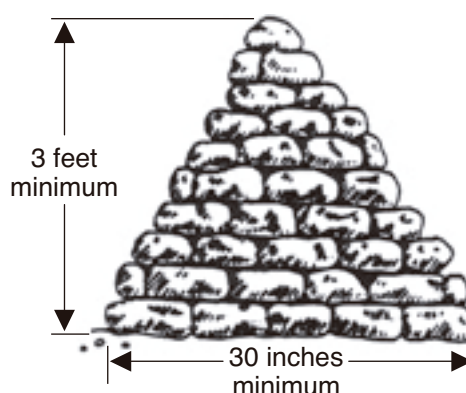


Figure 5-13—Rock cairn.

4. Guide poles

Guide poles may be used to delineate the trail when the location is not obvious. When used, set poles at the maximum intervisible distances required for guidance through treeless areas such as meadows and muskeg areas. Select natural pole materials to harmonize with the environment except where the management plan requires increased visibility (for example, snowmobile and cross-country ski trails). To increase visibility, consider painting the poles (colored to match the plastic blazer), mounting plastic trail blazers on both sides of the poles, or wrapping retroreflective tape around the pole.

Wooden guide poles shall have a minimum diameter of 4 inches and a minimum height of 6 feet above ground or snow level. Where ground conditions make the setting of wood poles impractical, the use of metal or other materials is justified.

Chapter 5 Trail Signing

5.9 Congressionally Designated Trails

Congressionally designated trail signage must be consistent among administrative units. Coordinate area and trail management plans as appropriate. Standardize trail signing within areas that include more than one administrative unit.

5.9.1 National Trail Systems

National trails “provide for the ever-increasing outdoor recreation needs of an expanding population and in order to promote the preservation of, public access to, travel within, and enjoyment and appreciation of the open-air, outdoor areas, and historic resources of the Nation...” (National Trails System Act of 1968).

5.9.1a National Recreation Trails

National recreation trails are designated under regional forester authority to provide for a variety of outdoor recreation uses in or reasonably accessible to urban areas.

5.9.1b National Scenic Trails

National scenic trails are trails designated by Congress to provide for maximum outdoor recreation potential and for the conservation and enjoyment of the nationally significant scenic, historic, natural, or cultural qualities of the areas through which they pass.

5.9.1c National Historic Trails

National historic trails are designated by Congress and follow as closely as possible and practicable the original trails or routes of travel of national historic significance. They identify and protect the historic route and its historic remnants and artifacts for public use and enjoyment.

5.9.2 National Trail System Signing

Signing of trails in the National Trail System requires special emphasis to denote their uniqueness and special qualities. Identify national scenic, historic, and recreation trails with the appropriate national marker, such as those shown in Figure 5-14. Sign according to the management objective of each trail system. The policy and criteria for signing and posting national trails are the same as for other National Forest System lands, with the exceptions noted in the following sections.



Figure 5-14—Examples of national trail markers.

Chapter 5 Trail Signing

5.9.2a Trailheads

At trailheads or developed recreation sites associated with the trail, mount the 9-inch national trail marker on the base of the site identification sign or on a separate post in a prominent location.

5.9.2.b Road Crossings

To indicate the trail crossing a road, use the 9-inch marker along NFSRs when speeds are 35 miles per hour or lower. Use the 18-inch marker on roads when speeds are 40 miles per hour and higher. Mount the markers 1 inch below the guide sign identifying the trail or its destinations. If no other identification sign exists, the marker should be mounted on a separate post to identify the trail. Its use is intended only as a symbol associated with the trail. The words are not intended to be read by motorists at highway speeds.

Larger signs may be produced and used for special situations on high speed highways. Maintain the same shape and colors when ordering special size signs.

5.9.2c Guide Signs

When the trail guide sign is located on the national trail, identify the national trail designation by use of reassurance markers mounted below the guide sign. Use the 3 1/2-inch national trail marker to identify the trail. Do not mount the national trail marker directly on guide signs.

When the trail guide sign is not located on the national trail but is located at a trailhead or junction when the national trail is identified on a guide sign as a destination, use the directional arrow, the abbreviation JCT, the name of the trail, and the distance to the junction. Do not abbreviate the trail name. Refer to Figure 5A-18.

5.9.2d Reassurance Markers

See Section 5.12. Depending on the management plan for the national trail, reassurance markers for national trails will consist of one of the following:

- Paint mark
- 3 1/2-inch plastic or metal blazer with the official logo
- Branded or routed official logo

To keep travelers on course, use reassurance markers at all intersections and locations where the trail location could be uncertain. **Do not use the national logo marker off the national trail.**

Reassurance markers may be placed on a separate post or tree, or just below a guide sign on the same support if mounted below a guide sign. They shall be mounted or branded directly on the post or tree supporting the sign, or on a separate board (approximately 6 by 10 inches) that is fastened to the support. Directional arrows below the marker shall indicate the direction of the trail. When mounted on a post or tree, reassurance markers shall be about 5 feet above the level of the tread.

In wilderness, use the brand or routed marker; do not use the plastic or metal marker. Use the branded or routed logo to identify the trail at junctions and other decision points, and as needed to protect wilderness resources. Do not use it as a general reassurance marker along the remainder of the trail within the wilderness.

Chapter 5 Trail Signing

5.10 Summary of Standards and Guidelines by Trail Type

Tables 5-7 through 5-13 contain summaries of the standards and guidelines for each type of trail. Each chart is for a specific trail type.

Table 5-7—Hiker/pedestrian and pack and saddle trails

Sign Requirements				
Sign type	Sign face	Minimum size (inches)	Color	Shape
Regulatory and warning	Retroreflective not required, consider using for added emphasis	Warning: 12 x 12	If used, follow MUTCD colors	If used, follow MUTCD shapes
Guide	Typically routed	Text: Capital ASA Series C, 1 inch, routed	Unfinished wood, scorched or blackened legend, or WPC material	TD
Junction identity	Typically routed	Text: Capital ASA Series C, 1 inch, routed	Unfinished wood, scorched or blackened legend	TD
Reassurance markers	Nonretroreflective	5 x 7	Gray or white	TB-1 plastic blazer
	Cut, painted, branded blazers, logo brands, rock cairns, natural guide poles	NA	NA	NA
Sign support and placement requirements				
Sign supports		Posts or trees		
Minimum mounting height, trail tread to bottom of sign		5 feet		
Minimum lateral distance, edge of trail tread to nearest edge of sign		3-foot clearance for pack stock		
Remarks:				

Chapter 5 Trail Signing

Table 5-8—Wilderness trails

Sign Requirements				
Sign type	Sign face	Text	Color	Shape
Regulatory	Nonretroreflective	NA	NA	NA
Warning	NA	NA	NA	NA
Guide	Routed only	Text: Capital ASA Series C, 1 inch, routed	Unfinished wood with scorched or blackened legend	TD or TDW
Junction identity	Routed only	Text: Capital ASA Series C, 1 inch, routed	Unfinished wood with scorched or blackened legend	TD
Reassurance markers	Cut, painted, or branded blazers, logo brands, rock cairns, natural guide poles	NA	NA	NA
Sign support and placement requirements				
Sign supports		Posts or trees		
Minimum mounting height trail tread to bottom of sign		5 feet		
Minimum lateral distance edge of trail tread to nearest edge of sign		3-foot clearance for pack stock		
Remarks:				
• Specific onsite signs necessary for resource protection or visitor management may be used if no other means of protection or communication is suitable. • Generally, do not use reassurance markers except in locations where the trail is difficult to locate. • Use only cut, painted, or branded/scorched blazes in wilderness. Limit painted blazes only to those wilderness trails identified in the National Trails System Act, and associated intersecting trails where necessary • Do not use Federal recreation symbols or plastic and metal national trail markers • Guide poles should be left natural with no markers, blazers, or tape. • Do not use warning signs. • Limit use of regulatory signs at the trailhead				

Chapter 5 Trail Signing

Table 5-9—Cross-country ski trails, urban or night skiing

Sign Requirements				
Sign type	Sign face	Minimum size (inches)	Color	Shape
Regulatory and warning	Shall be retroreflective	Warning: 12 x 12	Shall follow MUTCD colors	Shall follow MUTCD shapes
Guide	Shall be retroreflective	Text: Capital ASA Series C, 2 inches	White legend on brown background	FRD
Junction identity	Shall be retroreflective	Text: Capital ASA Series C, 2 inches	White legend on brown background	FRD
Reassurance markers	Shall be retroreflective	5 x 7	Blue	TB-1
		9 x 12	Blue	TB-2 with arrow
Sign support and placement requirements				
Sign supports		Posts or trees		
Minimum mounting height, trail tread to bottom of sign		40 inches above average maximum snow level No more than 84 inches above current snow level		
Minimum lateral distance, edge of trail tread to bottom of sign		2 to 6 feet		

Remarks:

- Destinations on guide signs should emphasize safety features such as shelters and warming huts.
- Distances are measured in kilometers (km). Use decimal kilometers up to 1 kilometer (0.1 to 0.9). Round to the nearest kilometer with no decimal after 1 kilometer.
- Use locator maps on systems with multiple loops or where the trail system is complicated and can be confusing.
- Guide poles may be painted blue or have a blue TB-1 blazer mounted on both sides.
- Use the blue TB-1 on ski trails that serve hikers during the off season. Do not change the blazers to gray/white unless needed for added visibility during the summer.
- Where wide variation in snow accumulations can be expected, periodic resetting may be necessary.
- In areas with heavy summer use, consider mounting the signs on removable posts on stationary bases. This will improve esthetics and reduce vandalism and sign maintenance.
- When trees are used for mounting signs, prune limbs well above the sign so limbs will not droop with the weight of snow and obscure the sign.

Chapter 5 Trail Signing

Table 5-10—Cross-country ski trails, semi-primitive motor or nonmotorized ROS

Sign Requirements				
Sign type	Sign face	Minimum size (inches)	Color	Shape
Regulatory and warning	Retroreflective not required, consider using for added emphasis	Warning: 12 x 12	If used, follow MUTCD colors	If used, follow MUTCD shapes
Guide	May be routed	Text: Capital ASA, series C, 1 inch, routed	May be unfinished wood with scorched or blackened legend or WPC material	TD
Junction identity	May be routed	Text: Capital ASA, series C, 1 inch, routed	May be unfinished wood with scorched or blackened legend or WPC material	TD
Reassurance markers	May be retroreflective	5 x 7	Blue	TB-1
		9 x 12	Blue	TB-2 with arrow
Sign support and placement requirements				
Sign supports		Posts or trees		
Minimum mounting height trail tread to bottom of sign		40 inches above average maximum snow level No more than 84 inches above current snow level		
Minimum lateral distance edge of trail tread to bottom of sign		2 to 6 feet		

Remarks:

- Destinations on guide signs should emphasize safety features such as shelters and warming huts.
- Distances are measured in kilometers (km). Use decimal kilometers up to 1 kilometer (0.1 to 0.9). Round to the nearest kilometer with no decimal after 1 kilometer.
- Use locator maps on systems with multiple loops or where the trail system is complicated and can be confusing.
- Guide poles may be painted blue or have a blue TB-1 blazer mounted on both sides.
- Use the blue TB-1 on ski trails that serve hikers during the off season. Do not change the blazers to gray/white unless needed for added visibility during the summer.
- Where wide variation in snow accumulations can be expected, periodic resetting may be necessary.
- In areas with heavy summer use, consider mounting the signs on removable posts on stationary bases. This will improve esthetics and reduce vandalism and sign maintenance.
- When trees are used for mounting signs, prune limbs well above the sign so limbs will not droop with the weight of snow and obscure the sign.

Chapter 5 Trail Signing

Table 5-11—Bicycle trail, paved or coincident with roads

Sign Requirements				
Sign type	Sign face	Minimum size (inches)	Color	Shape
Regulatory and warning	Shall be retroreflective	Shall follow MUTCD Table 9B-1 Warning: 18 x 18	Shall follow MUTCD colors	Shall follow MUTCD shapes
Guide	Shall be retroreflective	Text: Capital ASA Series C, 2 inches	White legend on brown background	FRD
Junction identity	Shall be retroreflective	Text: Capital ASA Series C, 3 inches	White legend on brown background	FRD
Reassurance markers	Shall be retroreflective	12 inches	White legend on brown background	Federal Recreation Symbol RL-090
Sign support and placement requirements				
Sign supports		Posts		
Reassurance marker supports		Posts or trees		
Minimum mounting height trail tread to bottom of sign		4 feet with 5 foot maximum		
Minimum lateral distance edge of trail tread to nearest edge of sign		3 to 6 feet		

Remarks:

- Standards shall be in accordance with the MUTCD, Part 9, Traffic Controls for Bicycle Facilities.

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Table 5-12—Mountain bike trails

Sign Requirements				
Sign type	Sign face	Minimum size (inches)	Color	Shape
Regulatory and warning	Shall be retroreflective	Warning: 12 x 12	Shall follow MUTCD colors	Shall follow MUTCD shapes
Guide	Shall be retroreflective	Text: Capital ASA Series C, 2 inches	White legend on brown background	FRD
Junction identity	Shall be retroreflective	Text: Capital ASA, Series C, 2 inches	White legend on brown background	FRD
Reassurance markers		3 inches	White legend on brown background	Federal Recreation Symbol RL-090
Sign support and placement requirements				
Sign supports		Posts or trees		
Minimum mounting height trail tread to bottom of sign		5 feet		
Minimum lateral distance edge of trail tread to bottom of sign		2 to 6 feet		
Remarks:				

Chapter 5 Trail Signing

Table 5-13—ATV/motorcycle trails

Sign Requirements				
Sign type	Sign face	Minimum size (inches)	Color	Shape
Regulatory and warning	Shall be retroreflective	Warning: 12 x 12	Shall follow MUTCD colors	Shall follow MUTCD shapes
Guide	Shall be retroreflective	Text: Capital ASA Series C, 2 inches	White legend on brown background	FRD
Junction identity	Shall be retroreflective	Text: Capital ASA Series C, 2 inches	White legend on brown background	FRD
Reassurance markers	Shall be retroreflective	3 inches	White legend on brown background	Federal Recreation Symbol RL-150 or RL-170
Sign support and placement requirements				
Sign supports		Posts or trees		
Minimum mounting height trail tread to bottom of sign		5 feet		
Minimum lateral distance edge of trail tread to nearest edge of sign		2 to 6 feet		
Remarks:				

Chapter 5 Trail Signing

Table 5-14—Snowmobile trails

Sign Requirements				
Sign type	Sign face	Minimum size (inches)	Color	Shape
Regulatory and warning	Shall be retroreflective	Warning: 12 x 12	Shall follow MUTCD colors	Shall follow MUTCD shapes
Guide	Shall be retroreflective	Text: Capital ASA Series C, 2 inches	White legend on brown background	FRD
Junction identity	Shall be retroreflective	Text: Capital ASA Series C, 2 inches	White legend on brown background	9- x 12-inch diamond or rectangle (minimum 4 inch)
Reassurance markers	Shall be retroreflective	$\frac{5 \times 7}{9 \times 12}$	Orange or fluorescent orange	TB-1 plastic blazer TB-2 with arrow
Sign support and placement requirements				
Sign supports		Posts or trees		
Minimum mounting height trail tread to bottom of sign		40 inches above average maximum snow level No more than 84 inches above current snow level		
Minimum lateral distance edge of trail tread to bottom of sign		2 to 6 feet		
Remarks:				
• Destinations on guide signs should emphasize safety features such as shelters and warming huts. • Use a location map showing the trail system, groomed or ungroomed conditions, and a “YOU ARE HERE” arrow at each intersection for user orientation and security. • Guide poles may be painted orange, have an orange TB-1 blazer mounted on both sides, or be wrapped with retroreflective orange tape. • Where wide variation in snow accumulations can be expected, periodic resetting may be necessary. • In areas with heavy summer use, consider mounting the signs on removable posts on stationary bases. This will improve esthetics and reduce vandalism and sign maintenance. • When trees are used for mounting signs, prune limbs well above the sign so limbs will not droop with the weight of snow and obscure the sign.				

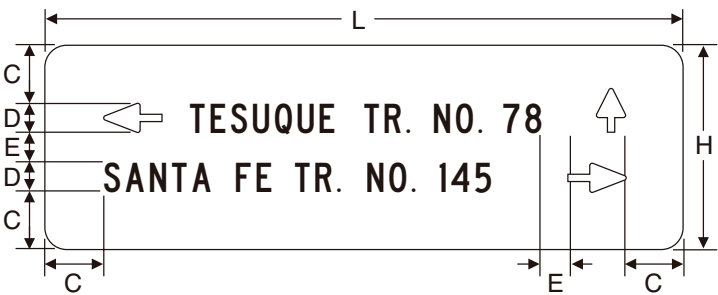
Chapter 5 Trail Signing

Table 5-15—Water trails

Sign Requirements				
Sign type	Sign face	Minimum size (inches)	Color	Shape
Regulatory and warning	Shall be retroreflective	Warning: 12 x 12	Shall follow MUTCD colors	Shall follow MUTCD shapes
Guide	Shall be retroreflective	Text: Capital ASA Series C, 2 inches	White legend on brown background	FRD
Junction identity	Shall be retroreflective	Text: Capital ASA Series C, 2 inches	White legend on brown background	FRD
Reassurance markers	Shall be retroreflective	3 inches	White on brown	Federal Recreation Symbol RW-020
Sign support and placement requirements				
Sign supports		Posts or trees		
Minimum mounting height trail tread to bottom of sign		5 feet above high water level		
Minimum lateral distance edge of trail tread to nearest edge of sign		2 to 6 feet		
Remarks:				

5B.1 Trail Destination Signs (TD)

Text layout—Trail destination signs (TD)
Nonwilderness and wilderness applications



Text layout dimensions (inches)

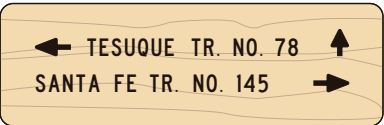
Sign number	H	L	C	D* text	E
TD-1	5	Varies	2	1	1
TD-2	7	Varies	2	1	1
TD-3	9	Varies	2	1	1
TD-4	11	Varies	2	1	1
TD-5	13	Varies	2	1	1

*Dimension D, text size, refers to ASA Series C letters

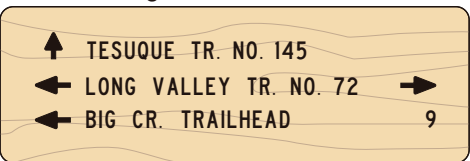
One-line sign TD-1



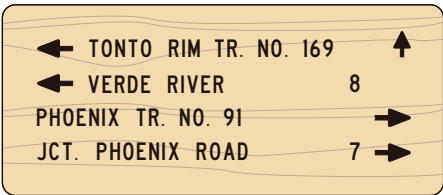
Two-line sign TD-2



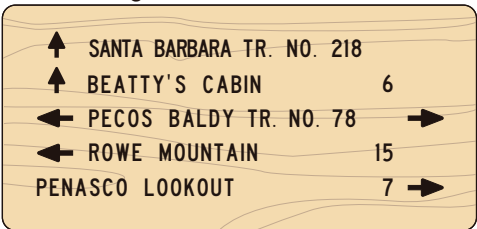
Three-line sign TD-3



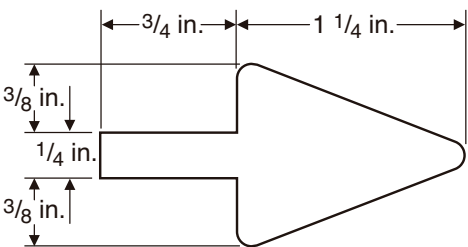
Four-line sign TD-4



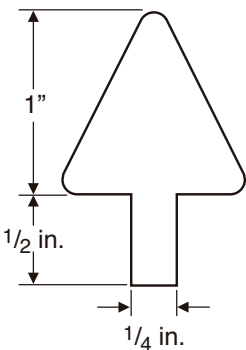
Five-line sign TD-5



Typical layout—Arrow details



Horizontal



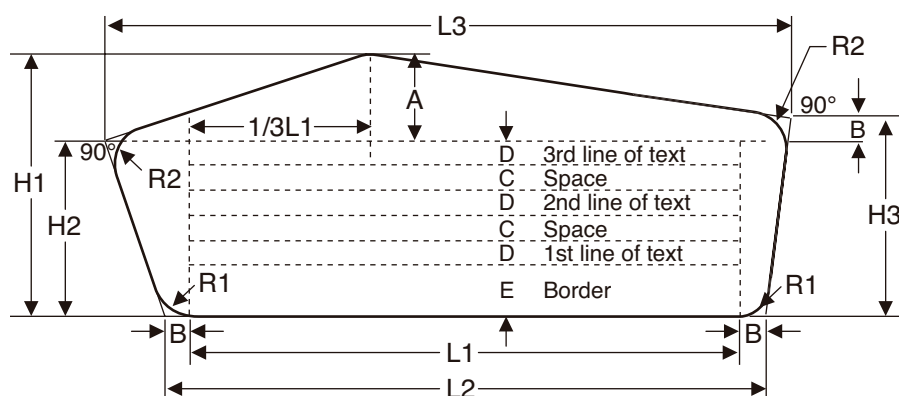
Vertical

References

For sign guidelines, see Chapter 5.
For panel construction, see Chapter 14.

5B.2 Trail Directional—Wilderness Shape

Text layout—Trail directional—wilderness shape (TDW-1 and 2) optional use



TDW-1 examples



Text layout dimensions (inches)

Sign number	H1	H2	H3	L1	L2	L3	A	B	C	D* text	E	R1	R2
TDW 1	10 1/2	7	8	22	24	27 1/2	3 1/2	1	1	1	2	1	1 1/2
TDW 2	14 1/2	11	12	22	24	27 1/2	3 1/2	1	1	1	2	1	1 1/2

Notes

TDW-1 = Up to 3 lines of text with up to 25 characters per line.

For 1- and 2-line signs, center text lines in message box vertically.

TDW-2 = 4 or 5 lines of text with up to 25 characters per line.

Center text lines horizontally as a group in the message box.

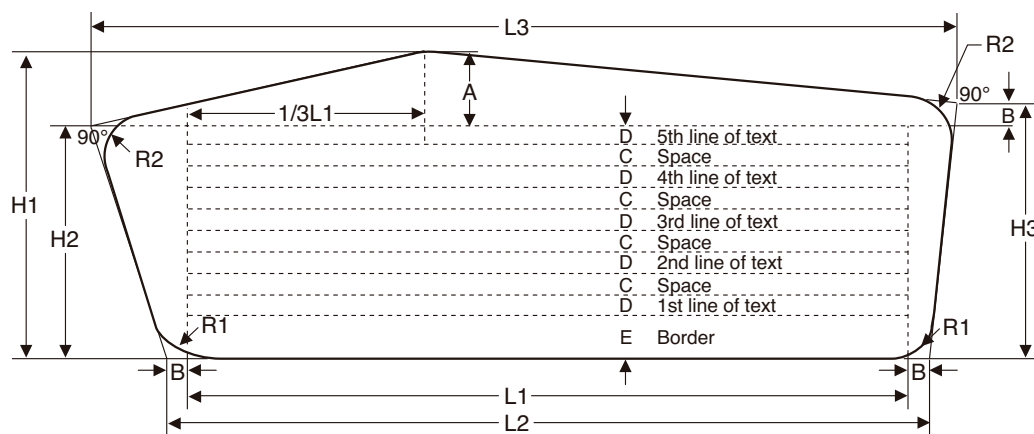
Specify message.

No mileage is shown on Wilderness signs.

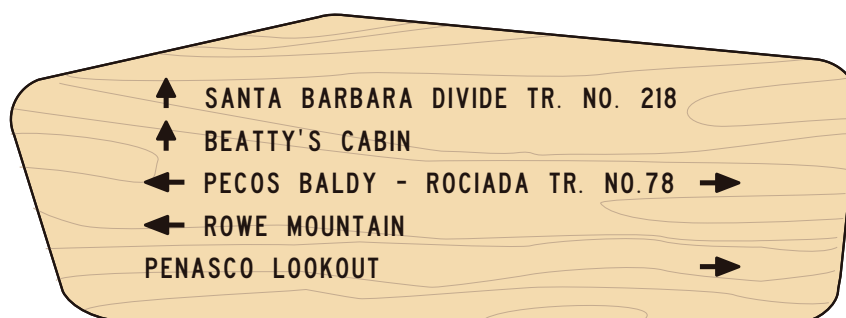
*Dimension D, text size, refers to ASA Series C letters.

Colors

Unfinished wood with scorched or blackened text.

Text layout—Trail directional–wilderness shape (TDW-3 and 4) optional use

TDW-4 examples

**Text layout dimensions (inches)**

Sign number	H1	H2	H3	L1	L2	L3	A	B	C	D* text	E	R1	R2
TDW 3	10 1/2	7	8	34	36	40 3/4	3 1/2	1	1	1	2	1	1 1/2
TDW 4	14 1/2	11	12	34	36	40 3/4	3 1/2	1	1	1 (Series C)	2	1	1 1/2

Notes

TDW-3 = Up to 3 lines of text with 25 to 40 characters per line.
For 1- and 2-line signs, center text lines vertically in message box.

TDW-4 = 4 or 5 lines of text with lines 25 to 40 characters per line.
For messages longer than 40 characters, use 2 lines.

Do not use for more than 5 lines of message.

Center text lines horizontally as a group in the message box.

Specify message.

No mileage is shown on Wilderness signs.

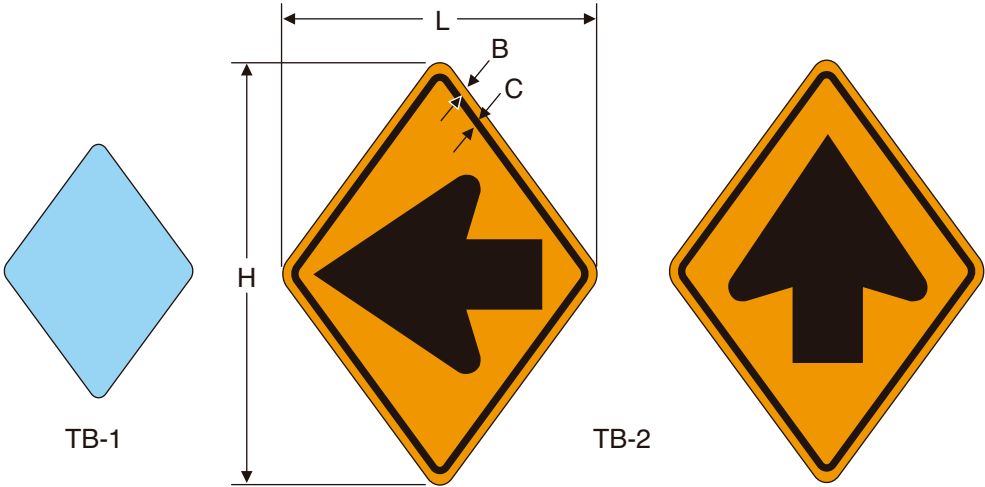
*Dimension D, text size, refers to ASA Series C letters.

Colors

Unfinished wood with scorched or blackened text.

5B.3 Trail Blazer (TB)

Text layout—Trail blazer (TB)



Text layout dimensions (inches)						
Blazer number	H	L	B	C	Text arrows	Most often used on
TB-1	7	5	N/A	N/A	N/A	Hiker, pack and saddle trails; Nordic ski trails; Snowmobile trails
TB-2	12	9	3/8	3/16	5 inch	Snowmobile trails

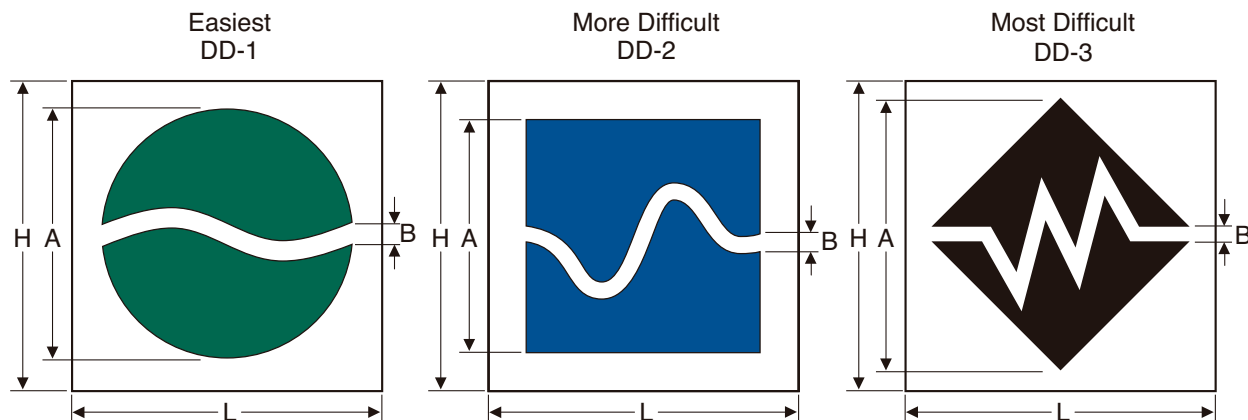
Notes
 Use standard arrow—same as route marker arrow. Center in diamond.
 When ordering, specify size, color, arrow, and direction (if desired), and retroreflective (if desired).

Colors Black border and arrow.	
Trail type	Background Color
TB-1 Hiker, pack, and saddle trails	Gray/white (nonreflective) #27722
TB-1 Nordic ski trails	Blue (retroreflective/nonreflective) #15187
TB-1 Snowmobile trails	Orange or fluorescent orange (retroreflective) #12473)
TB-2 Snowmobile trails	Orange or fluorescent orange (retroreflective) #12473

References
 For sign guidelines, see Chapter 5.
 For panel construction, see Chapter 14.
 For arrow details and text arrows, see Chapter 3D.

5B.4 Trail Degree-of-Difficulty Symbols

Layout—Trail degree-of-difficulty symbols



Text layout dimensions (inches)

Sign number	H & L	A	B	Federal color chip
DD-1	2	1 ⁵ / ₈	¹ / ₈	Green—#14109
	3	2 ¹ / ₂	¹³ / ₆₄	
	3 ¹ / ₂	2 ⁷ / ₈	¹⁵ / ₆₄	
DD-2	2	1 ¹ / ₂	¹ / ₈	Blue—#15090
	3	2 ¹ / ₂	¹³ / ₆₄	
	3 ¹ / ₂	2 ³ / ₄	¹⁵ / ₆₄	
DD-3	2	1 ³ / ₄	¹ / ₈	Black—#35042
	3	2 ⁵ / ₈	⁵ / ₃₂	
	3 ¹ / ₂	3	¹¹ / ₆₄	

Notes

Place light black line around blue and green symbols for contrast.
Symbols shall be centered on square.

Colors

Use standard FHWA retroreflective sign colors.

References

For sign guidelines, see Chapter 5.
For specifications, see Chapter 14.
For colors, see MUTCD, page 1A-9.

5B.5 National Trail markers

Layout—National Trail Markers



National Recreation Trail Marker—NRT



National Historic Trail Marker—NHT



National Scenic Trail Markers—NST

Text layout dimensions (inches)

Marker	Size	Hole size
NT-1	3 1/2	1/8
NT-2	9	1/8
NT-3	18	3/8

Notes

These markers are for trails under Forest Service jurisdiction. For other trail markers, contact National Park Service or Regional Office trails specialist. Art work and Federal standard colors will be furnished by the Regional Trails Specialist.

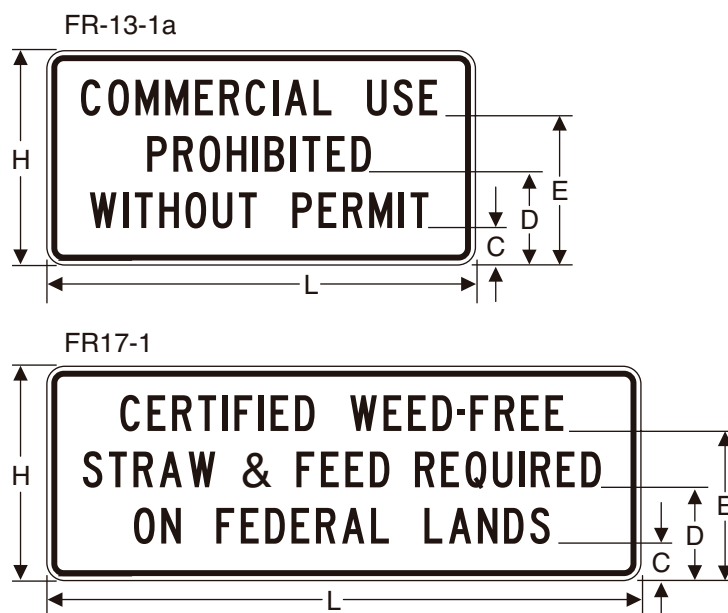
Specify trail symbol.

Chapter 3D Traffic Control Devices

Sign Drawings

3D.1 Regulatory Signs

Text layout—Regulatory signs (FR13-1a and FR17-1)



Dimensions (inches)

Sign number	H	L	C	D	E	Text height ASA Series C (upper case)	Border width	Inset width	Traffic speed (mph)
FR13-1a	18	36	3	7 ³ / ₄	12 ¹ / ₂	3	¹ / ₂	³ / ₈	Up to 35
	30	60	4	12 ¹ / ₂	21	5	⁵ / ₈	¹ / ₂	40 and higher
FR17-1	18	48	3	7 ³ / ₄	12 ¹ / ₂	3	¹ / ₂	³ / ₈	Up to 35
	30	84	4	12 ¹ / ₂	21	5	⁵ / ₈	¹ / ₂	40 and higher

Notes

Last line on FR17-1 may be modified to reflect appropriate jurisdiction such as:
ON NATIONAL FOREST LANDS or **ON PUBLIC LANDS**.

Center each line of text on vertical centerline.

Colors

Legend and border are black.

Background is retroreflective white.

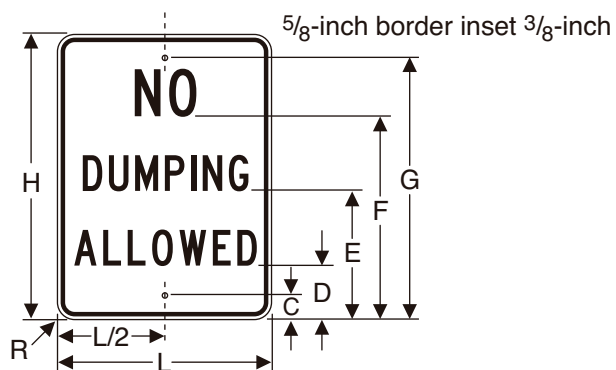
References

For sign guidelines, see Chapter 3.

For panel construction, see Chapter 14.

Chapter 3D Traffic Control Devices

Sign Drawings

Text layout—Regulatory sign (FR16-1-18x24)**Dimensions (inches)**

Sign number	H	L	C	D	E	F	G	R	Text height	Text height
									ASA Series C line 1	ASA Series C line 2 and 3
FR16-1-18x24	24	18	2	4 1/2	10 3/4	16 3/4	22	1 1/2	4	3

Notes

Center each line of text and mounting holes on vertical centerline.
All mounting holes are 3/8-inch diameter.

Colors

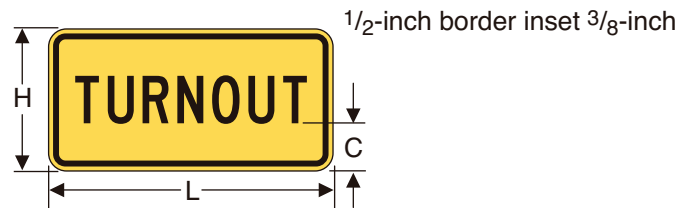
Legend and border are black.
Background is retroreflective white.

References

For sign guidelines, see Chapter 3.

3D.2 Warning Signs

Text layout—Warning sign (FW4-2b)



Dimensions (inches)

Sign number	H	L	C	Text height ASA Series C (upper case)
FW4-2b	12	24	4	4

Notes

Center text on vertical centerline.

Colors

Legend and border are black.

Background is retroreflective yellow.

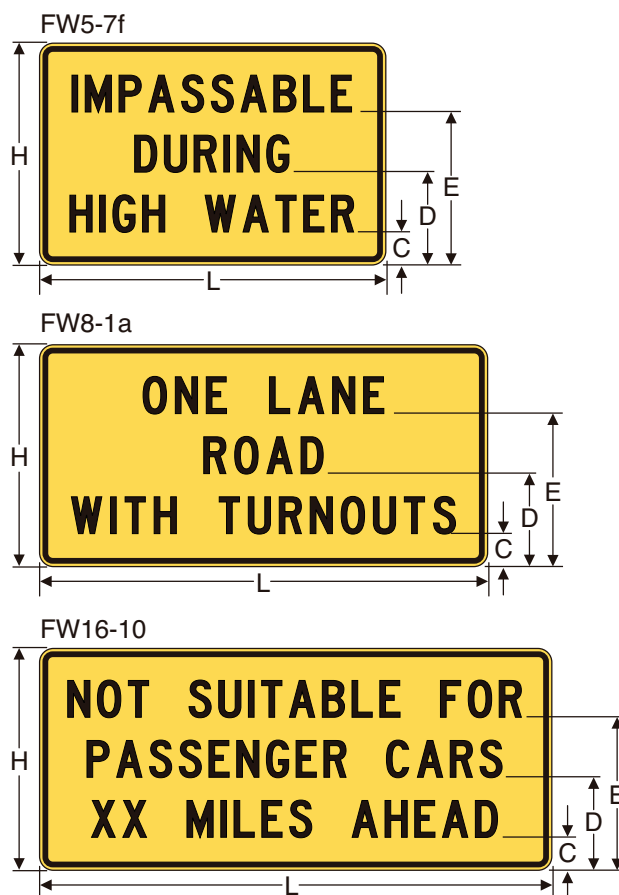
References

For sign guidelines, see Chapter 3.

For panel construction, see Chapter 14.

Chapter 3D Traffic Control Devices

Sign Drawings

Text layout—Warning sign (FW8-1a and FW16-10)**Dimensions (inches)**

Sign number	H	L	C	D	E	Text height ASA Series D (upper case)	Border width	Inset width	Traffic speed (mph)
FW5-7f	24	36	3 1/2	10	16 1/2	4	5/8	1/2	-
FW8-1a	24	48	3 1/2	10	16 1/2	4	5/8	1/2	-
FW16-10	18	36	3	7 3/4	12 1/2	3	1/2	3/8	Up to 35
	30	60	4	12 1/2	21	5	5/8	1/2	40 and higher

Notes

Center each line of text on vertical centerline.

Colors

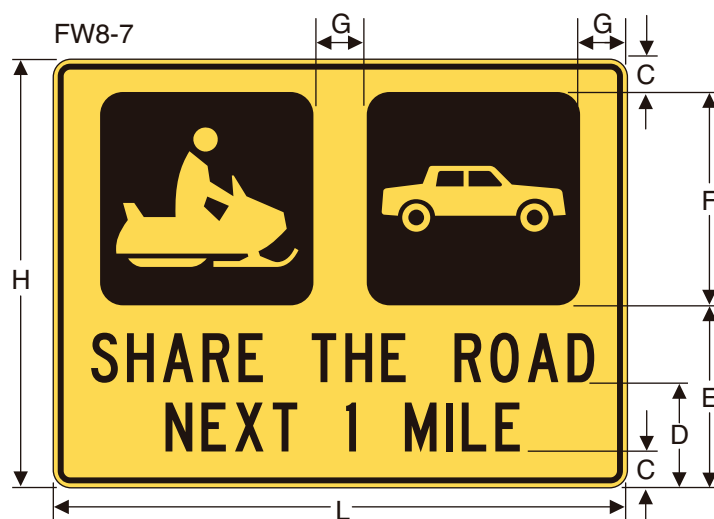
Legend and border are black.

Background is retroreflective yellow.

References

For sign guidelines, see Chapter 3.

For panel construction, see Chapter 14.

Text layout—Warning sign (FW8-7)**Dimensions (inches)**

Sign number	H	L	C	D	E	F symbol size	G	Text height ASA Series D (upper case)	Border width	Inset width	Traffic speed (mph)
FW8-7	36	48	3	9	15	18	4	4D	$\frac{5}{8}$	$\frac{1}{2}$	30 and under
	48	60	4	12	20	24	4	5D	$\frac{5}{8}$	$\frac{1}{2}$	35 to 45
	54	72	5	15	25	24	4	6D	$\frac{5}{8}$	$\frac{1}{2}$	50 and higher

Notes

Center each line of text on vertical centerline.

Colors

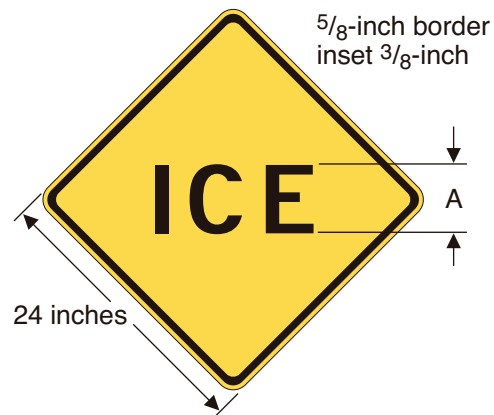
Legend and border are black.

Background is retroreflective yellow.

References

For sign guidelines, see Chapter 3.

For panel construction, see Chapter 14.

Text layout—Warning sign (FW) (one-line warning signs)**Dimensions (inches)**

Sign number	Message	Text height
		ASA Series D or E A
FW8-13a-24	ICE	6E
FW5-1e-24	FORD	6D

Notes

Center text on panel.

Colors

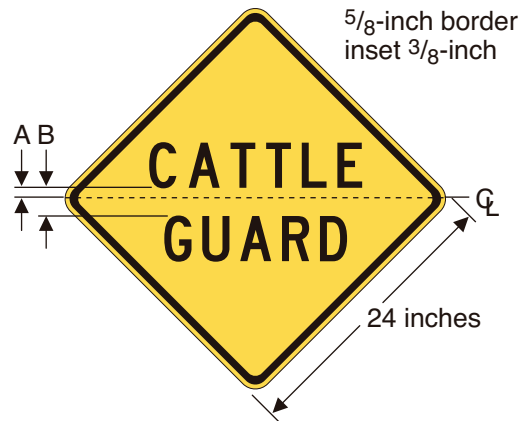
Legend and border are black.

Background is retroreflective yellow.

References

For sign guidelines, see Chapter 3.

For panel construction, see Chapter 14.

Text layout—Warning sign (FW) (two-line warning signs)

Dimensions (inches)

Sign number	Message	Measurements from centerline of sign		Text height ASA Series C or D
		A	B	
FW3-1a-24	STOP AHEAD	2	1/2	4D
FW3-2a-24	YIELD AHEAD	2	1/2	4D
FW3-2b-24	GATE AHEAD	2	1/2	4D
FW5-1-24	ROAD NARROWS	2 1/2	0	4C
FW5-3-24	ONE LANE BRIDGE	0	2	4C
FW8-7a-24	HIGH WATER	2	1/2	4D
FW14-6-24	CATTLEGUARD	1	1 1/2	4D
FW5-1d-24	STREAM CROSSING	2 1/2	0	4D
FW8-7a-24	FALLING ROCK	0	2 1/2	4C
FW21-4a-24*	LOGGING OPERATIONS	2 1/2	0	4D
FW21-4b-24*	LOG TRUCKS	2 1/2	0	4D

Notes

Center each line of text on vertical centerline.

Colors

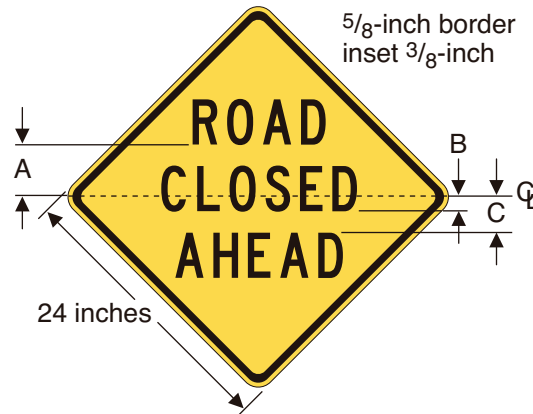
Legend and border are black.

Background is retroreflective yellow or orange*.

References

For sign guidelines, see Chapter 3.

For panel construction, see Chapter 14.

Text layout—Warning sign (FW) (three-line warning signs)Dimensions (*inches*)

Sign number	Message	Measurements from centerline of sign			Text height ASA Series C or D
		A	B	C	
FW3-5a-24	CLOSED GATE AHEAD	2	3 1/2	5	4C
FW3-5b-24	CLOSED GATE XX FT	2	3 1/2	5	4C
FW3-6a-24	CATTLEGUARD AHEAD	2	3 1/2	5	4C
FW3-6b-24	CATTLEGUARD XX FT	2	3 1/2	5	4C
FW5-1a-24	NARROW ROUGH ROAD	2	3 1/2	5	4C
FW5-1b-24	NARROW STEEP ROAD	2	3 1/2	5	4C
FW5-1c-24	NARROW WINDING ROAD	2	3 1/2	5	4C
FW5-1e-24	FLASH FLOOD AREA	2	3 1/2	5	4C
FW5-2c-24	ROAD CLOSED AHEAD	5	1	3	4C
FW8-9b-24	ONE LANE ROAD	5	1	3	4D
FW8-6a-24	HEAVY TRUCK TRAFFIC	4	1	3	3D

Notes

Center each line of text on vertical centerline.

Colors

Legend and border are black.

Background is retroreflective yellow or orange.

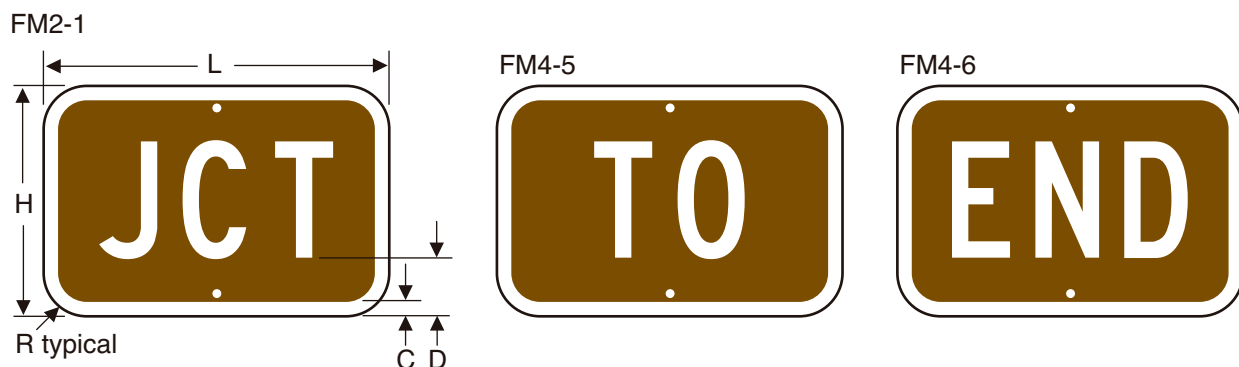
References

For sign guidelines, see Chapter 3.

For panel construction, see Chapter 14.

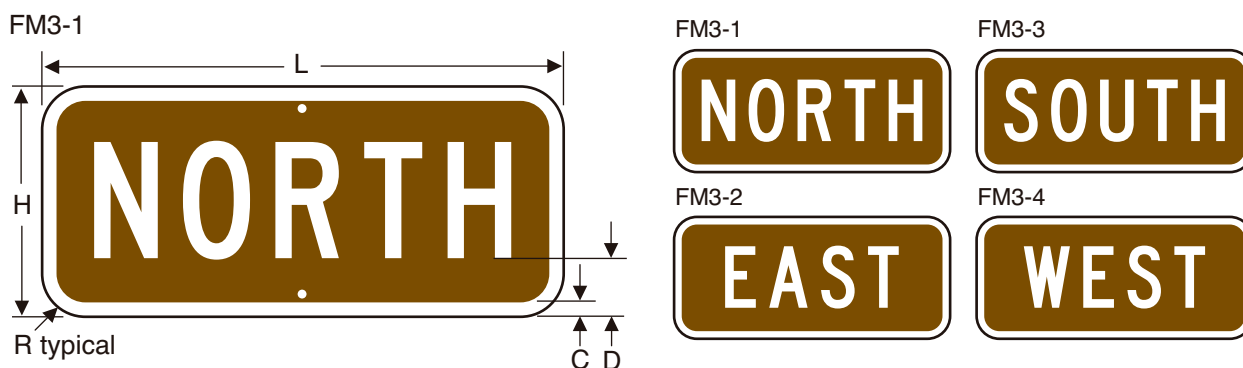
3D.3 Auxiliary Route Markers

Text layout—Auxiliary route markers (FM2, FM3, and FM4)



Dimensions (inches)

Sign number	H	L	Border C	D	R	Text height ASA Series C
FM2-1, FM4-5, FM4-6	8	12	1/2	2	1 1/2	4



Dimensions (inches)

Sign number	H	L	Border C	D	R	Text height ASA Series C
FM3-1, FM3-2, FM3-3, FM3-4	8	18	1/2	2	1 1/2	4

Notes

Center each line of text on vertical centerline.
All mounting holes are 3/8-inch diameter.

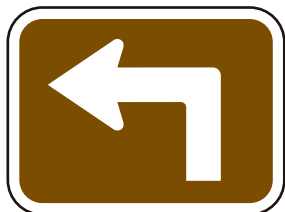
Colors

Fully retroreflective: White legend and border on brown background.

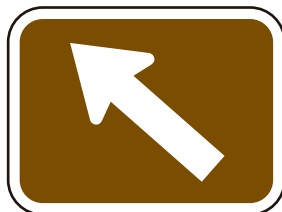
References

For sign guidelines, see Chapter 3.

Supplemental and auxiliary route markers (FM) for use with recreation symbols



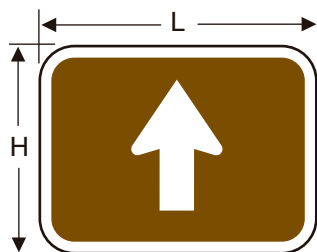
FM5-1L (shown)
FM5-1R



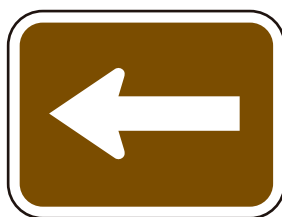
FM6-2L (shown)
FM6-2R



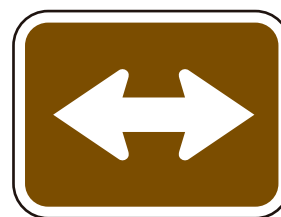
FM5-2L (shown)
FM5-2R



FM6-3L (shown)
FM6-3R



FM6-1L (shown)
FM6-1R



FM6-4

Dimensions (inches)

Auxiliary marker		Recreation symbol size
H	L	
9	12	12
12	16	18
15	21*	24*
15	21*	30*

Colors

Fully retroreflective: White legend and border on brown background.

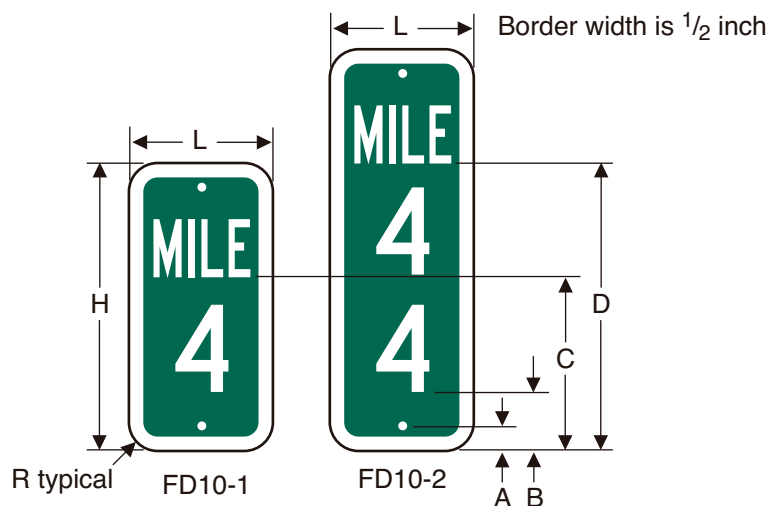
References

These are smaller sizes for use with the smaller Forest Service signs.

*See M series in *Standard Highway Signs*, Chapter 3 for larger sizes.

3D.4 Reference Location Signs

Text layout—Reference location signs (FD10)



Dimensions (inches)

Sign number	H	L	A	B	C	D	R	MILE ASA SERIES B	Number height ASA Series D	Road speed (mph)
FD10-1a	10	5	1	2	6	N/A	1 1/2	2	3	Up to 35
FD10-2a	14	5	1	2	6	10	1 1/2	2	3	Up to 35
FD10-1b	10	6	1	1 1/2	6 1/2	N/A	1 1/2	2	4	40+
FD10-2b	16	6	1	2	7	12	1 1/2	2	4	40+

Notes

Center each line of text and mounting holes on vertical centerline.
All mounting holes are 3/8-inch diameter.

Colors

Fully retroreflective: White legend and border on green background.

References

For sign guidelines, see Chapter 3.

3D.5 Forest Route Markers

Text layout—Forest route marker (M1-7) (distinctive route marker)



Dimensions (inches)

Sign number	H & L	Text height ASA Series D	Road speed (mph)	M series arrow plaque to use below sign
M1-7-18	18	6	Up to 40	FM6-1-16
M1-7-24	24	8	45+	M6-1-21

When arrows are needed with distinctive route markers, use the auxiliary route marker FM series arrows on page 3D-10 of these Guidelines. Arrow colors are fully retroreflective white border and arrow on brown background. Arrow plaque should be the same length as the bottom length of the route marker or the next length shorter.



Notes

Center each line of text on vertical centerline.

Colors

Fully retroreflective: White legend on brown background.

References

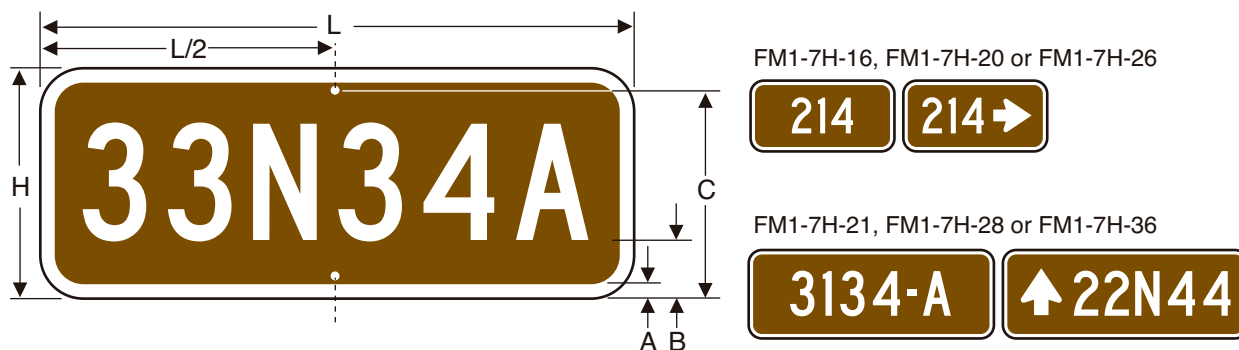
For sign guidelines, see Chapter 3.

For panel construction, see Chapter 14.

For text layout, FHWA, see *Standard Highway Signs*, Chapter 3.

Chapter 3D Traffic Control Devices

Sign Drawings

Text layout—Forest route marker – horizontal (FM1-7H)**Dimensions (inches)**

Sign number	Number of characters	H	L	A	B	C	Text height* ASA Series C	Traffic speed (mph)
FM1-7H-16	Up to 4	8	16	$\frac{1}{2}$	2	$6\frac{1}{2}$	4	Up to 30
FM1-7H-21	5 or 6	8	21	$\frac{1}{2}$	2	$6\frac{1}{2}$	4	Up to 30
FM1-7H-20	Up to 4	10	20	$\frac{1}{2}$	$2\frac{1}{2}$	$8\frac{1}{2}$	5	35 to 50
FM1-7H-28	5 or 6	10	28	$\frac{1}{2}$	$2\frac{1}{2}$	$8\frac{1}{2}$	5	35 to 50
FM1-7H-26	Up to 4	12	26	$\frac{5}{8}$	3	$10\frac{1}{2}$	6	55+
FM1-7H-36	5 or 6	12	36	$\frac{5}{8}$	3	$10\frac{1}{2}$	6	55+

*Arrow on route marker is same size as text and counts as one character.

When separate plaques are used for arrows, plaques should be 8 x 16 inches with 4-inch text arrow. Extend arrow length to within 2 inches of edges.

**Notes**

Center each line of text and mounting holes on vertical centerline.
All mounting holes are $\frac{3}{8}$ -inch diameter.
Specify arrow direction.

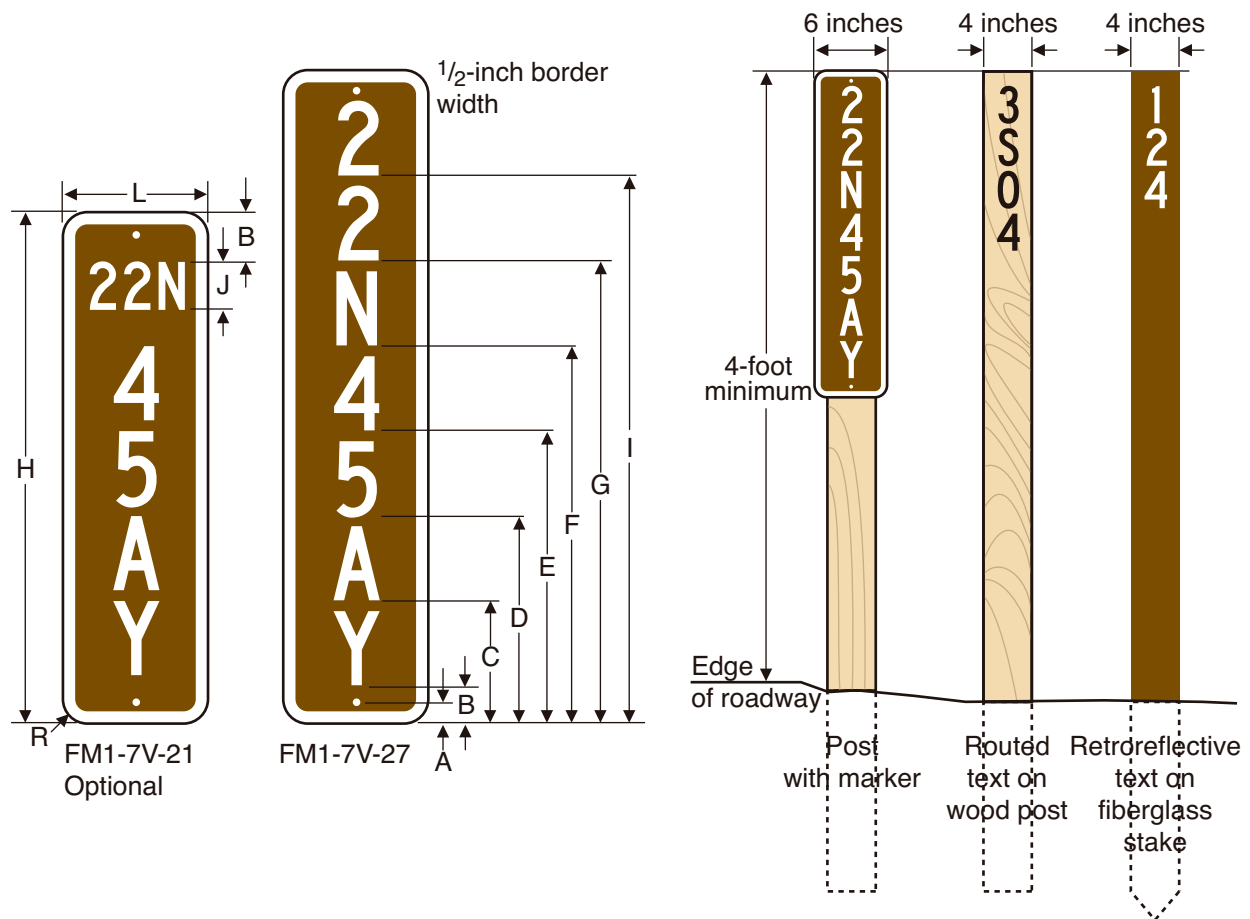
Colors

Fully retroreflective: White legend on brown background.

References

For sign guidelines, see Chapter 3.
For panel construction, see Chapter 14.

Text layout—Forest route marker –Vertical (FM1-7V) (vertical route marker to be used for ML 1 and 2 roads)



Dimensions (inches)

Sign number	H	L	Number of characters	A	B	C	D	E	F	G	H	J	R
FM1-7V-18	18	6	Up to 4	1	2 1/4	5 3/4	9 1/4	12 3/4	N/A	N/A	N/A	2	1 1/2
FM1-7V-21	21	6	5	1	2	5 1/2	9	12 1/2	16	N/A	N/A	2	1 1/2
FM1-7V-24	24	6	6	1	1 3/4	5 1/4	8 3/4	12 1/4	15 3/4	19 1/4	N/A	N/A	1 1/2
FM1-7V-27	27	6	7	1	1 1/2	5	8 1/2	12	15 1/2	19	22 1/2	N/A	1 1/2

Notes

Center each line of text on vertical centerline.
All mounting holes are 3/8-inch diameter.
Vertical text height is 3 inches minimum.

Colors

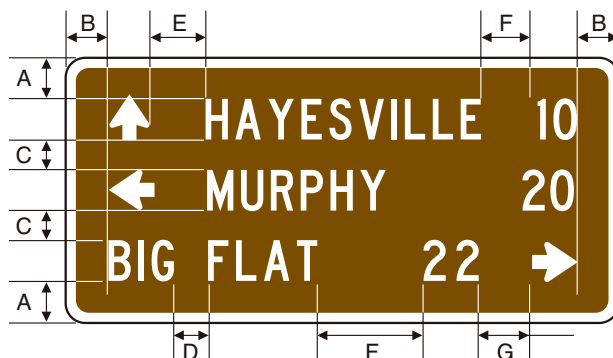
Fully retroreflective: White legend on brown background.

References

For sign guidelines, see Chapter 3.

3D.6 Forest Road Destination Sign

Text layout—Forest road destination sign (FRD)



Design guidelines listed below shall be consistent on each individual sign or each group of signs manufactured from this guide.

- A Edge of panel to top and bottom of text – $\frac{3}{4}$ of the capital letter height.
- B Edge of panel to beginning and end of lines – $\frac{3}{4}$ of the capital letter height.
- C Between lines – $\frac{3}{4}$ of the capital letter height.
- D Between words – $\frac{3}{4}$ to the whole height of a capital letter.
- E Between words and arrows – 1 to $1\frac{1}{2}$ the height of a capital letter.
- F Between words and mileage – minimum 1 to $1\frac{1}{2}$ the height of a capital letter.
- G Between mileage and arrows – 1 to $1\frac{1}{2}$ the height of a capital letter.

Requirements for spacing between letters shall conform to the Standard Alphabets for Traffic Control Devices in the FHWA *Standard Highway Signs*.

Note: Spacing may be reduced 25 percent on C and D Series text, 3 inches and smaller when necessary to fit the message on the sign. Increasing spacing to 125 percent makes signs easier to read.

Border standard

Borders should be of similar proportions but should not exceed the stroke width of the major lettering on the sign.

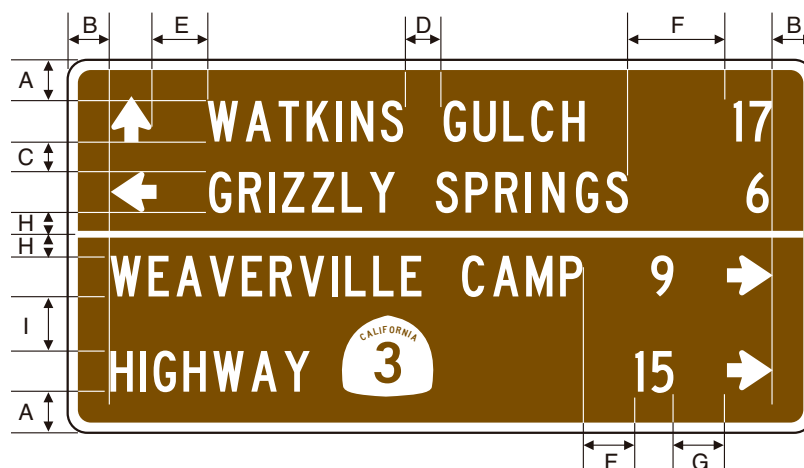
C or D Series letter size (inches)	Minimum border and separation line width (inches)
1 to $1\frac{1}{2}$	$\frac{3}{8}$
2	$\frac{3}{8}$
3	$\frac{1}{2}$
4	$\frac{5}{8}$
5	$\frac{5}{8}$ or $\frac{3}{4}$
6	$\frac{3}{4}$ or 1

Colors

Fully retroreflective: White legend and border on brown background.

References

For sign guidelines, see Chapter 3.
 For arrow (typical), see pp. 3D-19 through 22.
 For panel construction, see Chapter 14.

Text layout—Forest road destination sign with line (FRD)

Design guidelines listed below shall be consistent on each individual sign or each group of signs manufactured from this guide.

A-G See page 3D-1

H Between text and center of separation line - $\frac{1}{2}$ to $\frac{3}{4}$ of the capital letter height.

I Between lines and route shields - $1\frac{1}{4}$ to $1\frac{1}{2}$ the capital letter height.

Requirements for spacing between letters shall conform to the Standard Alphabets for Traffic Control Devices in the FHWA *Standard Highway Signs*.

Note: Spacing may be reduced 25 percent on C and D Series text, 3 inches and smaller when necessary to fit the message on the sign. Increasing spacing to 125 percent makes signs easier to read.

Border and separation-line standard

Borders and separation lines should be of similar proportions but should not exceed the stroke width of the major lettering on the sign. See dimensions on page 3D-16.

Symbol

Other agencies route signs may be incorporated as part of a directional sign. When possible, use the same shape and colors used by the agency. Examples of agency route signs are found in MUTCD, page 2D-5. If colored route signs of appropriate size are not available, a brown on white version in the same shape may be used.

Colors

Fully retroreflective: White legend and border on brown background.

References

For sign guidelines, see Chapter 3.

For arrow (typical), see pp. 3D-19 through 22.

For panel construction, see Chapter 14.

Chapter 3D Traffic Control Devices

Sign Drawings

3D.7 Site Approach Signs

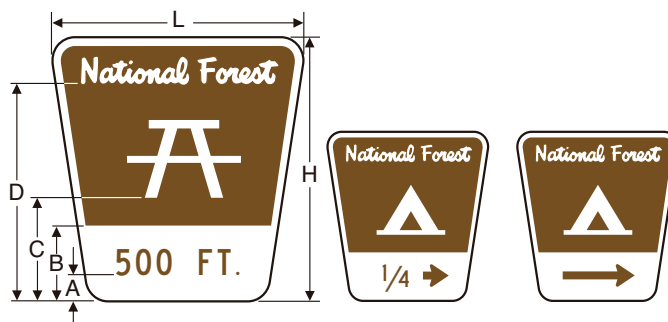
Text layout—Site approach with symbol (SA)



*Symbol size specifications are average. Some symbols may need to be proportioned in size to fit sign. Use only one symbol per sign.

Dimensions (inches) two-line facility type

Sign number	H	L	A	B	C	D	E	Border width	Legend ASA Series C (upper case)	Symbol size*	Logo height	Road speed (mph)
SA-1	40	38	3	8 3/4	15	17 1/2	33	3/4	4	12	4	Up to 40
SA-2	52	48	4	11 1/2	19 1/2	24	43	1	5	15	5	45+



Dimensions (inches) one-line facility type

Sign number	H	L	A	B	C	D	Border width	Legend ASA Series D (upper case)	Symbol size*	Logo height	Road speed (mph)
SA-1	40	38	4	11 1/2	15 3/4	33	3/4	4	12	4	Up to 40
SA-2	52	48	7	16 1/2	22	43	1	5	15	5	45+

Notes

Specify symbol, distance, message, or arrow direction (left or right only).

Arrows and arrow plaques: Arrows on the sign with the legend are one size larger than the text. Arrows alone on the sign are extended to within 1 letter height of sign edge. Arrow plaques, if used below the sign, are M6-1, white on brown, fully retroreflective.

Fully Retroreflective Colors

Top – White legend on brown background. Bottom – Brown on white background

References

For sign guidelines, see Chapter 3.

For panel construction, see Chapter 14.

For horizontal text placement, see page 8C-1.

Chapter 3D Traffic Control Devices

Sign Drawings

Text layout—Site approach with two-line facility type (SA)

Dimensions (inches) two-line facility name

Sign number	H	L	A	B	C	D	E	F	Border width	Legend ASA Series C (upper case)	Symbol size*	Logo height	Road speed (mph)
SA-1	40	38	2 1/2	8	14	17	24 1/2	33	3/4	4	12	4	0 to 40
SA-2	52	48	3 1/2	10 1/2	18	22 1/2	32	43	1	5	15	5	45+



Dimensions (inches) Two-line facility type and one-line facility name

Sign number	H	L	A	B	C	D	E	Border width	Facility type ASA Series C (upper case)	Facility name ASA Series C (upper case)	Logo height	Road speed (mph)
SA-1	40	38	4	11 1/2	16	23 1/2	33	3/4	5C	4C	4	0 to 40
SA-2	52	48	7	16 1/2	22	31 1/2	43	1	7C	5C	5	45+

Notes

Specify symbol, distance, message, or arrow direction (left or right only).

Arrows and arrow plaques: Arrows on the sign with the legend are one size larger than the text. Arrows alone on the sign are extended to within 1 letter height of sign edge. Arrow plaques, if used below the sign, are M6-1, white on brown, fully retroreflective.

Fully Retroreflective Colors

Top – White legend on brown background. Bottom – Brown on white background

References

For sign guidelines, see Chapter 5.

For panel construction, see Chapter 14.

For horizontal text placement, see page 8C-1.

Chapter 3D Traffic Control Devices

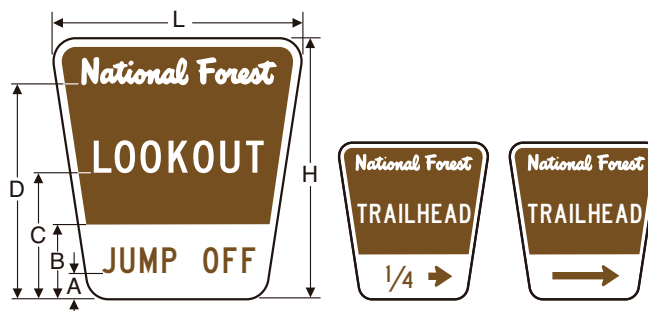
Sign Drawings

Text layout—Site approach with one-line facility type (SA)



Dimensions (inches) two-line facility name

Sign number	H	L	A	B	C	D	E	Border width	Facility type ASA Series C or D (upper case)	Facility name ASA Series C (upper case)	Logo height	Road speed (mph)
SA-1	40	38	3	8 3/4	15	22 1/2	33	3/4	5D	4	4	0 to 40
SA-2	52	48	4	11 1/2	19 1/2	28	43	1	7C	5	5	45+



Dimensions (inches) one-line facility name

Sign number	H	L	A	B	C	D	Border width	Facility type ASA Series C or D (upper case)	Facility name ASA Series C (upper case)	Logo height	Road speed (mph)
SA-1	40	38	4	11 1/2	19 1/2	33	3/4	5D	4	4	0 to 40
SA-2	52	48	7	18 1/2	27	43	1	7C	5	5	45+

Notes

Specify symbol, distance, message, or arrow direction (left or right only).

Arrows and arrow plaques: Arrows on the sign with the legend are one size larger than the text. Arrows alone on the sign are extended to within 1 letter height of sign edge. Arrow plaques, if used below the sign, are M6-1, white on brown, fully retroreflective.

Fully Retroreflective Colors

Top – White legend on brown background. Bottom – Brown on white background

References

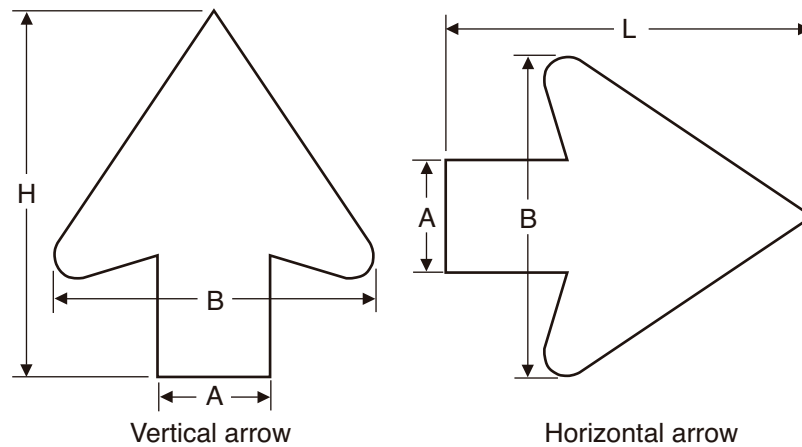
For sign guidelines, see Chapter 5.

For panel construction, see Chapter 14.

For horizontal text placement, see page 8C-1.

3D.8 Horizontal and Vertical Arrows

Layout of horizontal and vertical arrows

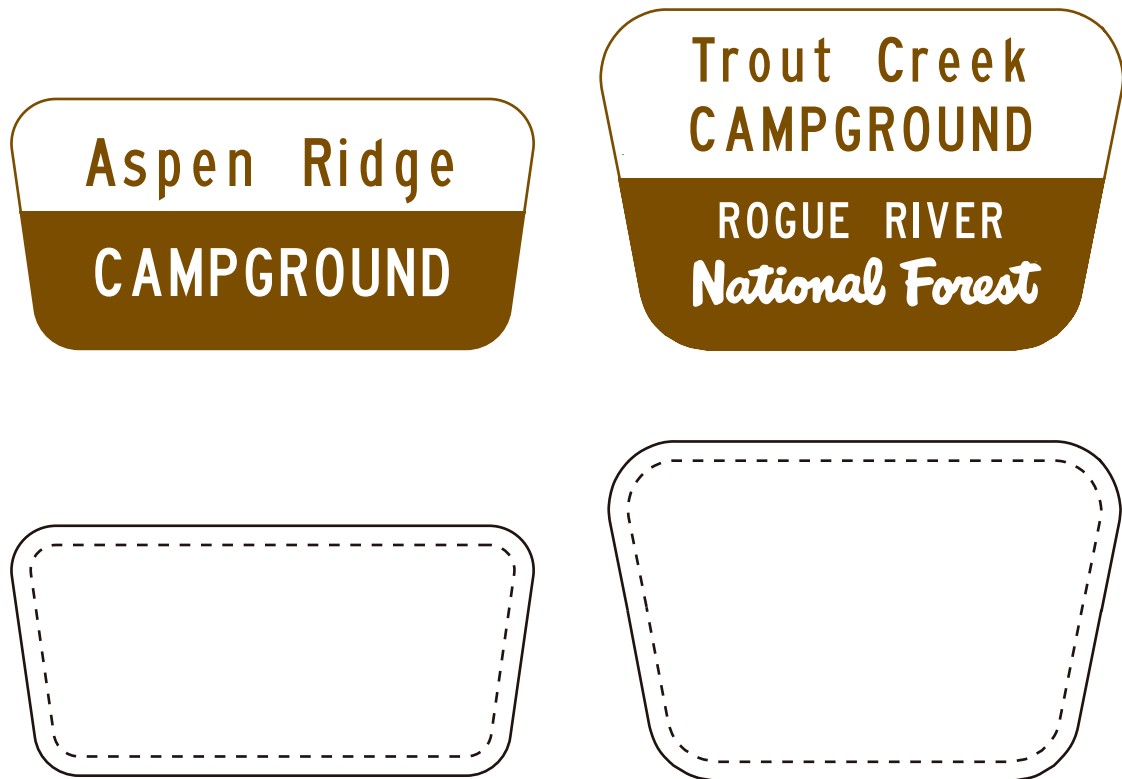


Dimensions (*inches*) horizontal and vertical arrows

Arrow	H & L	A	B	Text size to be used with
2	3	$15/16$	$2\ 5/8$	2
3	4	$1\ 1/4$	$3\ 1/2$	3
4	5	$1\ 5/8$	$4\ 1/2$	4
5	6	$1\ 15/16$	$5\ 3/8$	5
6	7	$2\ 1/4$	$6\ 1/4$	6

7B.1 Recreation Site Identification Signs

Text placement



Notes

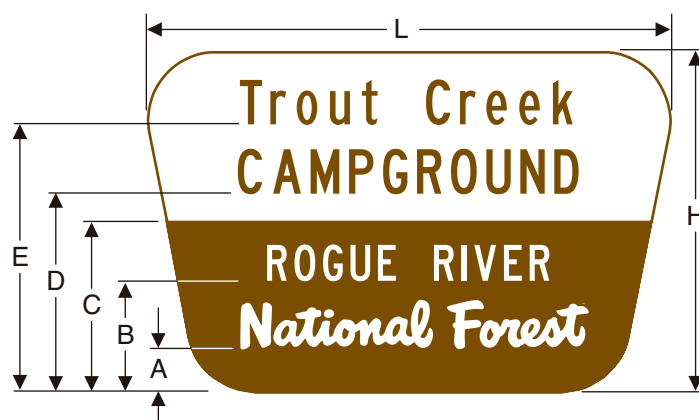
Margin shown shall be typically one-half the capital letter height of the forest or unit name.

Each line of text shall be centered between the edges of the sign and shall not extend into the margin.

Use for facilities such as campgrounds, visitor centers, picnic grounds, and trailheads.

Chapter 7B Recreation Site Signing

Sign Drawings

Text layout—Recreation Site Identification sign (RS)

Text layout dimensions (inches)

Sign number	H	L	A	B	C	D	E	Facility name ASA Series D (initial caps lower case)	Facility type ASA Series D (upper case)	Forest name ASA Series D	Logo height
RS-1	30	48	4	10	15	17 1/4	23 3/4	4	4	3	4
RS-2	40	63	6 1/2	14	21	24	32	5	5	4	5
RS-3	48	78	6 1/2	16	25	28 3/4	38 3/4	6	6	5	6
RS-4	60	93	9	21	32	36	48	8	8	6	8

Painted, Routed Colors

Top - Legend brown (#20059) on yellow-cream (#23695) background.

Bottom - Legend yellow-cream (#23695) on brown (#20059) background.

Fully Retroreflective Colors

Top - Legend brown on white background.

Bottom - Legend white on brown background.

Sign number	Shield size (inches)	USDA credit line	Road speed (mph)
RS-1	10	P-37	0-30
RS-2	12	P-43	35-40
RS-3	12	P-52	45-50
RS-4	15	P-68	50+

References

For sign guidelines, see Chapters 7 and 7A.

For panel construction, see Chapter 14.

For horizontal text placement, see page 7B-1.

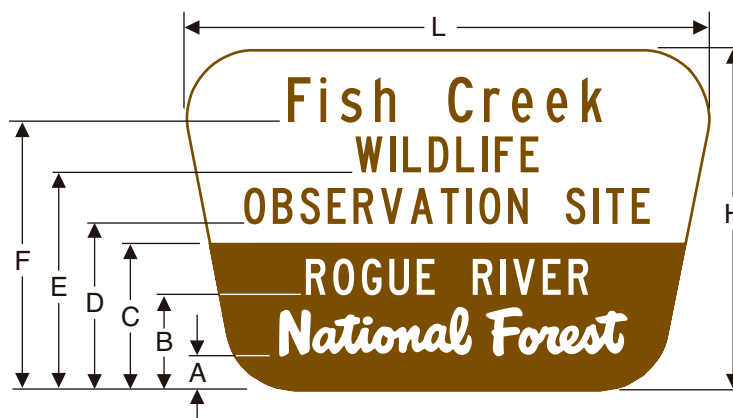
For Forest Service shield, see page 8C-8.

For USDA credit line, see page 8C-7.

Chapter 7B Recreation Site Signing

Sign Drawings

Text layout—Recreation Site Identification sign (RS M1) modified layout, two-line site type



Text layout dimensions (*inches*)

Sign number	H	L	A	B	C	D	E	F	Facility name ASA Series D (initial caps lower case)	Facility type ASA Series D (upper case)	Forest name ASA Series D	Logo height
RSM1-1	30	48	3	8 1/2	13	14 3/4	19 1/4	23 3/4	4	3	3	4
RSM1-2	40	63	4 1/2	12	18 1/2	20 1/2	24	30 1/2	5	4	4	5
RSM1-3	48	78	4 1/2	13	25 1/2	23	31	38 1/2	6	5	5	6
RSM1-4	60	93	7	18	27	30 1/2	39 1/2	48 1/2	8	6	6	8

Notes

Specify names, site type, and sign number when ordering.

Painted, Routed Colors

Top - Legend brown (#20059) on yellow-cream (#23695) background.

Bottom - Legend yellow-cream (#23695) on brown (#20059) background.

Sign number	Shield size (inches)	USDA credit line	Road speed (mph)
RSM1-1	10	P-37	0-30
RSM1-2	12	P-43	35-40
RSM1-3	12	P-52	45-50
RSM1-4	15	P-68	50+

Fully Retroreflective Colors

Top - Legend brown on white background.

Bottom - Legend white on brown background.

References

For sign guidelines, see Chapters 7 and 7A.

For panel construction, see Chapter 14.

For horizontal text placement, see page 7B-1.

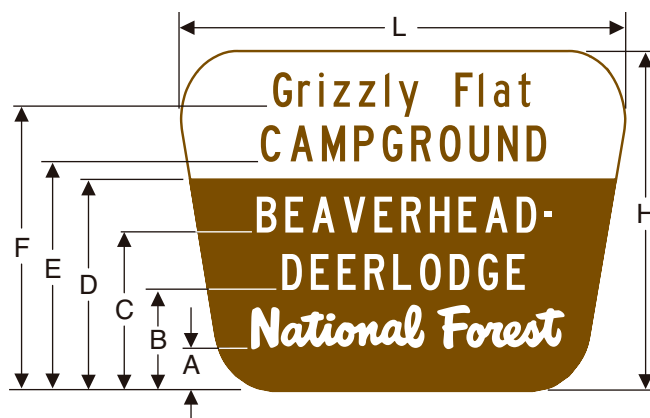
For Forest Service shield, see page 8C-8.

For USDA credit line, see page 8C-7.

Chapter 7B Recreation Site Signing

Sign Drawings

Text layout—Recreation Site Identification sign (RS M2) modified layout, two-line forest name



Text layout dimensions (*inches*)

Sign number	H	L	A	B	C	D	E	F	Facility name ASA Series C (initial caps lower case)	Facility type ASA Series D (upper case)	Forest name ASA Series D	Logo height
RSM2-3	48	63	6	14 1/2	22 3/8	29 7/8	32 3/8	40 1/2	5	5	5	6

Notes

Specify names, site type including 2 lines, and sign number when ordering.

Painted, Routed Colors

Top - Legend brown (#20059) on yellow-cream (#23695) background.

Bottom - Legend yellow-cream (#23695) on brown (#20059) background.

Fully Retroreflective Colors

Top - Legend brown on white background.

Bottom - Legend white on brown background.

References

For sign guidelines, see Chapters 7 and 7A.

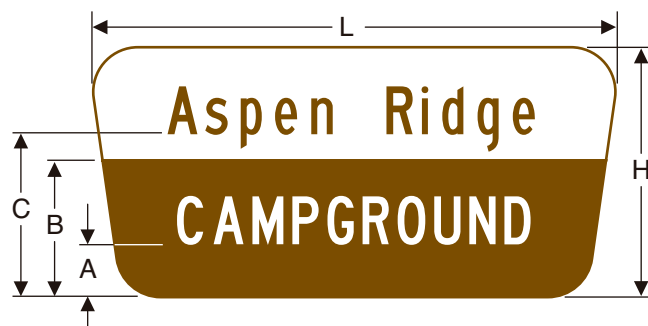
For panel construction, see Chapter 14.

For horizontal text placement, see page 7B-1.

For Forest Service shield, see page 8C-8.

For USDA credit line, see page 8C-7.

Sign number	Shield size (<i>inches</i>)	USDA credit line	Road speed (<i>mph</i>)
RSM2-1	10	P-37	0-30
RSM2-2	12	P-43	35-40
RSM2-3	12	P-52	45-50
RSM2-4	15	P-68	50+

Text layout—optional Recreation Site Identification (RSE) signText layout dimensions (*inches*)

Sign number	H	L	A	B	C	Facility Name ASA Series D (initial caps lower case)	Facility type ASA Series D (upper case)	Road speed (<i>mph</i>)
RSE-A	14	30	3	7 ⁵ / ₈	9 ¹ / ₈	3	3	0-30
RSE-B	20	48	3 ³ / ₄	10 ³ / ₄	13 ¹ / ₂	4	4	35-40
RSE-C	24	60	5	13	16 ¹ / ₄	5	5	45-50
RSE-D	28	72	5	15	18 ¹ / ₂	6	6	50+

Painted, Routed Colors

Top – Legend brown (#20059) on yellow-cream (#23695) background.

Bottom – Legend yellow-cream (#23695) on brown (#20059) background.

Fully Retroreflective Colors

Top – Legend brown on white background.

Bottom – Legend white on brown background.

Specify name, site type, and sign number when ordering.

References

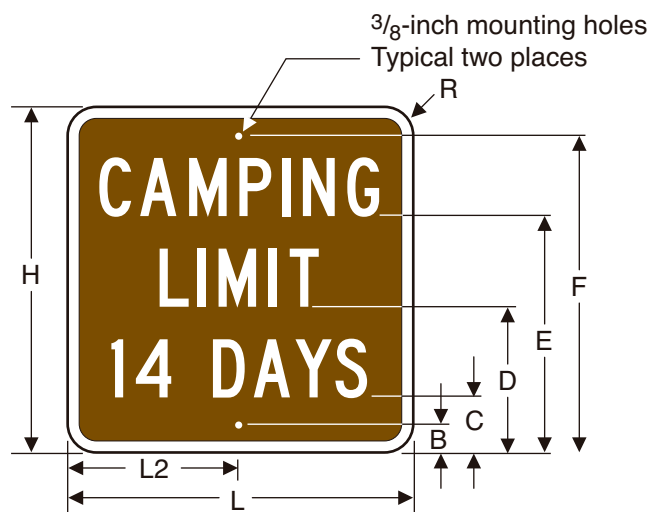
For sign guidelines, see Chapters 7 and 7A.

For panel construction, see Chapter 14.

For horizontal text placement, see page 7B-1.

7B.2 Recreation Area Signs

Text layout—Recreation Area – Camping Limit (RA-1) sign



Text layout dimensions (inches)

Sign number	H&L	B	C	D	E	F	R	Text height ASA Series C (upper case)	Border width
RA-1	18	1 1/2	3	7 3/4	12 1/2	16 1/2	1 1/2	3	1/2

Notes

Center each line of text and mounting holes on vertical centerline.
Specify number of days when ordering.
All mounting holes are 3/8-inch diameter.

Colors

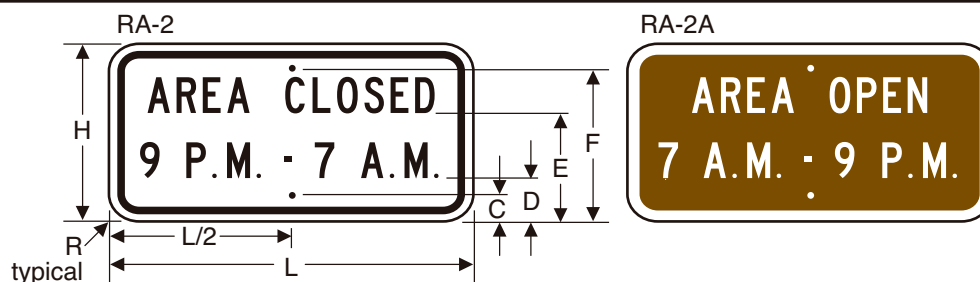
Fully retroreflective white legend and border on brown background.

References

For sign guidelines, see Chapters 7 and 7A.

Chapter 7B Recreation Site Signing

Sign Drawings

Text layout—Recreation Area – Area Closed (RA-2, RA-3) signs**Text layout dimensions (inches)**

Sign number	H	L	C	D	E	F	R	Text height ASA Series C (upper case)
RA-2, RA-2A	10	20	1 1/2	2 1/4	6	8 1/2	1 1/2	2

Notes

3/8-inch border inset 3/8 inch (RA-2). 1/2-inch border with no inset (RA-2A).

Colors

Black on retroreflective white (RA-2). Retroreflective white on brown (RA-2A).

**Text layout dimensions (inches)**

Sign number	H	L	C	D	E	F	G	R	Text height ASA Series C (upper case) Lines 1 & 2	Text height ASA Series C (upper case) Line 3
RA-3 10	16	32	1 1/2	2 1/4	6	10 1/2	14 1/2	1 1/2	3C	2C

Notes

1/2-inch border to be inset 1/2 inch.

Center each line of text and mounting holes on vertical centerline.

All mounting holes are 3/8-inch diameter.

Colors

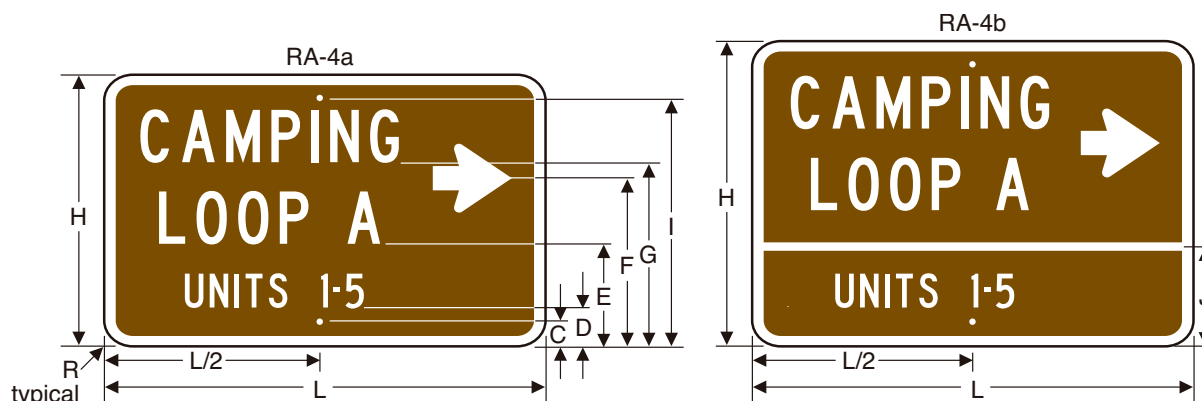
Black on retroreflective white.

References

For sign guidelines, see Chapters 7 and 7A.

Chapter 7B Recreation Site Signing

Sign Drawings

Text layout—Recreation Area – Interior Unit Direction (RA-4) sign**Text layout dimensions (inches)**

Sign number	H	L	C	D	J	E	F	G	I	R	Text height ASA Series C (upper case) Lines 1 & 2	Text height ASA Series C (upper case) Line 3	Arrow
RA-4a	16	24	1 1/2	2 1/4	—	6	10	10 3/4	14 1/2	1 1/2	3	2	4 text
RA-4b	18	24	1 1/2	2 1/4	5 7/8	8	12	12 3/4	16 1/2	1 1/2	3	2	4 text

Notes

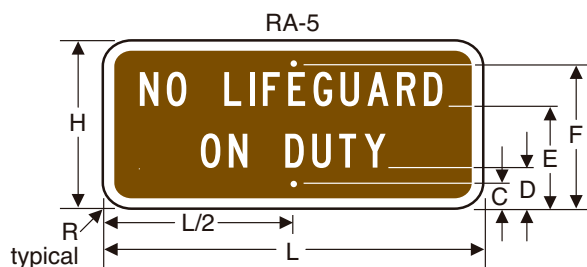
Center each line of text on vertical centerline.

All mounting holes are 3/8-inch diameter.

1/2-inch border with no inset.

Colors

Fully retroreflective white legend and border on brown background.

Text layout—Recreation Area – Lifeguard Sign (RA-5)**Text layout dimensions (inches)**

Sign number	H	L	C	D	E	F	R	Text height ASA Series C (upper case)
RA-4a	10	18	1 1/2	2 1/4	5 3/4	8 1/2	1 1/2	2

Notes

Center each line of text on vertical centerline.

All mounting holes are 3/8-inch diameter.

1/2-inch border with no inset.

Colors

Fully retroreflective white legend and border on brown background.

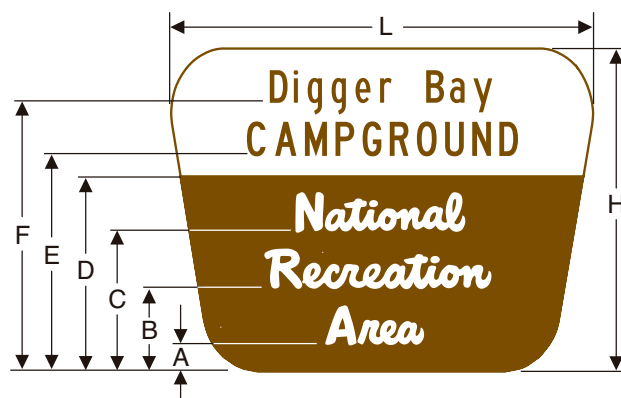
References

For sign guidelines, see Chapters 7 and 7A.

For arrow, see Chapter 3D.

7B.3 National Recreation Area Signs

Text layout—National Recreation Area (NRA-REC) sign



Text layout dimensions (*inches*)

Sign number	H	L	A	B	C	D	E	F	Facility name ASA Series D (mixed case)	Facility type ASA Series D (upper case)	Logo height
NRA-Rec-4	48	63	4 1/2	12 1/2	21	29 1/2	32	40	5	5	6
NRA-Rec-5	60	78	5 1/2	15 1/2	26	37 1/2	40 1/2	50 1/2	6	6	6
NRA-Rec-6	72	93	6 1/2	19	32	45	45 1/2	60 1/2	8	8	10

Notes

Specify area name, site type, and sign number when ordering.

Yellow-cream and white colors may be changed to any harmonious colors fitting the character of the area that are approved in the area management plan by the Regional Forester. Color of the credit line and shield must match color of the site identification sign.

Painted, Routed Colors

Top – Legend brown (#20059) on yellow-cream (#23695) background.
Bottom – Legend yellow-cream (#23695) on brown (#20059) background.

Fully Retroreflective Colors

Top – Legend brown on white background.
Bottom – Legend white on brown background.

References

For sign guidelines, see Chapters 7 and 7A.
For panel construction, see Chapter 14.
For horizontal text placement, see page 7B-1.
For Forest Service shield, see page 8C-8.
For USDA credit line, see page 7B-10.

Sign number	NRA credit line #2	Road speed (mph)
NRA-Rec-4	P-10	0-40
NRA-Rec-5	P-12	40-55
NRA-Rec-6	P-12	55+

Text layout—National Recreation Area – USDA Credit Line #2 (NRA-P)**Text layout dimensions (inches)**

Sign number	H	L	C	D	R	Border width (retroreflective only)	Text height ASA Series C (mixed case)	Fits panel lengths
NRA-P10	10	Varies	2	6	1 1/2	3/8	2	Up to 63
NRA-P12	12	Varies	2	7	1 1/2	1/2	3	78+

Notes

Center each line of text on vertical centerline.

Yellow-cream and white colors may be changed to any harmonious colors fitting the character of the area that are approved in the area management plan by the Regional Forester. Color of the credit line and shield must match color of the site identification sign.

Specify area name, site type, and sign number when ordering.

Painted, Routed Colors

Yellow-cream (#23695) legend on brown (#20059) background.

Fully Retroreflective Colors

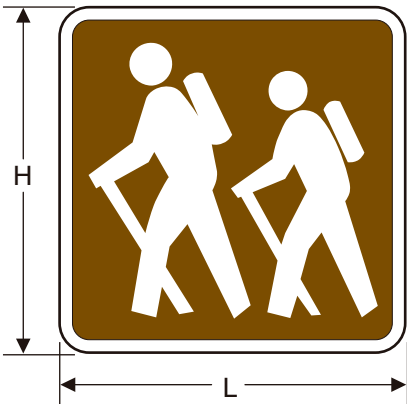
White legend and border on brown background.

References

For sign guidelines, see Chapters 7 and 7A (Recreation) and Chapter 8 (Forest Identification).
For panel construction, see Chapter 14.

7B.4 Federal Recreation Symbols

Text layout—recreation symbol layout



Dimensions (inches)		
Sign Number*	H & L	Border width (no inset)
R-000-8	8	1/2
R-000-12	12	1/2
R-000-18	18	5/8
R-000-24	24	5/8
R-000-30	30	3/4



Notes

Recreation symbols may be reversed to show a mirror image if that better reflects the activity.

Colors

Fully retroreflective white symbol and border on brown background. When arrows are needed below recreation symbols, use Auxiliary Route Marker M Series arrows as shown in the *Standard Highway Signs* Chapter 3 or FM Series arrows on page 3D-11 of these Guidelines. Arrow colors are white borders and arrow on brown background. Arrow plaque should be the same length as the recreation symbol or the next length shorter.

References

For sign guidelines, see Chapters 3B, 7, and 7A.
For panel construction, see Chapter 14.

7B.5 Sanitary Dumping Site Signs

Text layout—Sanitary Dumping Site signs (SDS)

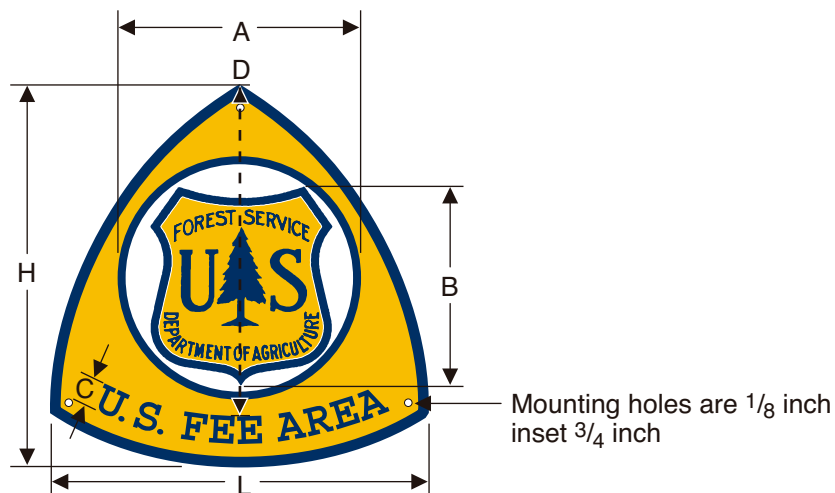


Dimensions (inches)				
Sign number	H	L	C	D
SDS	22	10	3/8	1

Colors
Fully retroreflective white legend and border on brown background.

7B.6 Forest Service Fee Area Sign

Text layout—Forest Service Fee Area sign (FA)



Dimensions (inches)

Sign number	H	L	A	B	C	D	Hole size	Outside border	Circle border
FA-1	9	9	5 ⁵ / ₈	4	³ / ₄	7 ¹¹ / ₁₆	¹ / ₈	¹ / ₄	¹ / ₈
FA-2	18	18	11 ¹ / ₄	8	1 ¹ / ₂	15 ³ / ₈	¹ / ₈	¹ / ₂	¹ / ₄

Colors

Background and shield background – gold transparent ink (PMS 130).

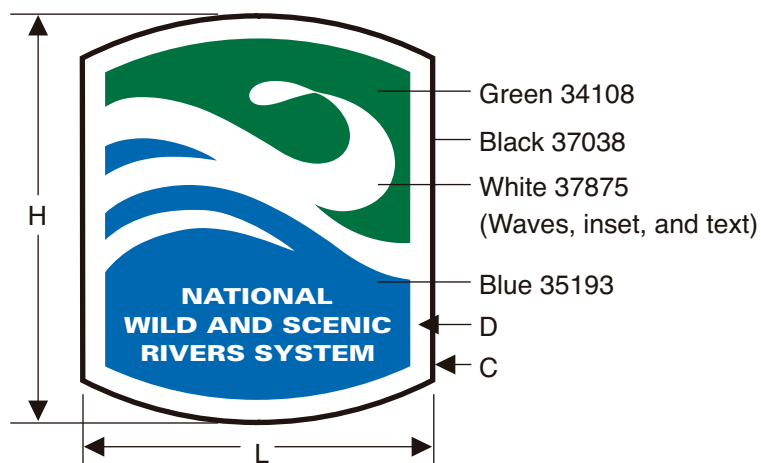
Background circle – white retroreflective sheeting (engineer grade).

Borders, figures, and type – midnight blue (PMS 282).

Colors are Pantone Matching System (PMS).

7B.7 National Wild and Scenic River Logo

Text layout—National Wild and Scenic River logo (WSR)



Dimensions (inches)

Sign number	H	L	Black border C	White inset D	Text height
WSR-2	18	15 1/2	1/4	3/4	5/8
WSR-3	9	7 3/4	1/8	3/8	5/16
WSR-4	3 1/2	3	15/32	9/64	1/8

Colors

Fully retroreflective colors are Federal Standard 595B.

References

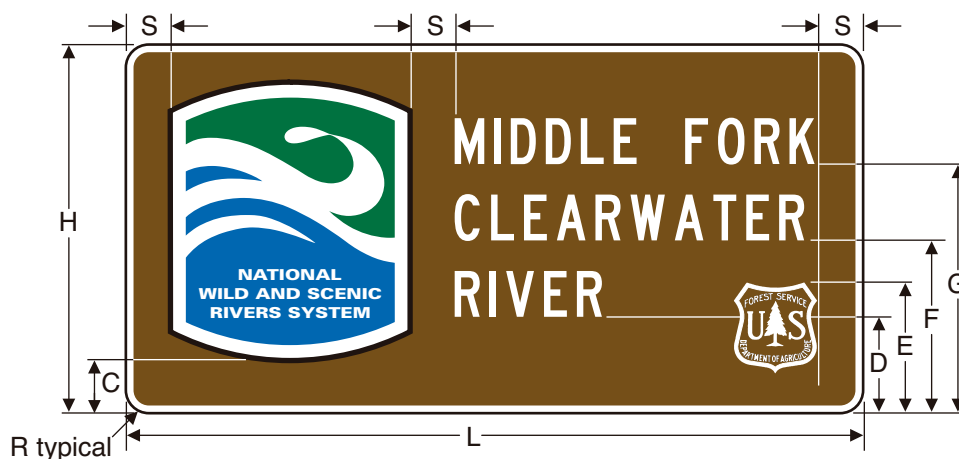
For sign guidelines, see Chapter 5.

For panel construction, see Chapter 14.

For National Wild and Scenic River logo, see Chapter 5.

7B.8 National Wild and Scenic River Sign

Text layout—National Wild and Scenic River sign (WSR)



Dimensions (inches)

Sign number	H	L	C	D	E	F	G	**S	R	River name ASA Series C (upper case)	WSR logo height	Shield size
WSR-1A	24	48*	3 1/2	6 1/2	8 1/2	11 1/4	16 1/4	3	1 1/2	3	18	6
WSR-1B	24	60*	3 1/2	4 1/2	9	10 1/2	16 1/2	4	1 1/2	4	18	6
WSR-1C	30	82*	3 1/2	4	10 1/2	12 1/2	21	6	1 1/2	6	24	8

Notes

*Actual sign length will be determined by the message desired.

**Minimum space shall be the same as letter size used.

Colors

Fully retroreflective white legend, border, and Forest Service shield on brown background.

See page 7B-15 for National Wild and Scenic River logo colors.

References

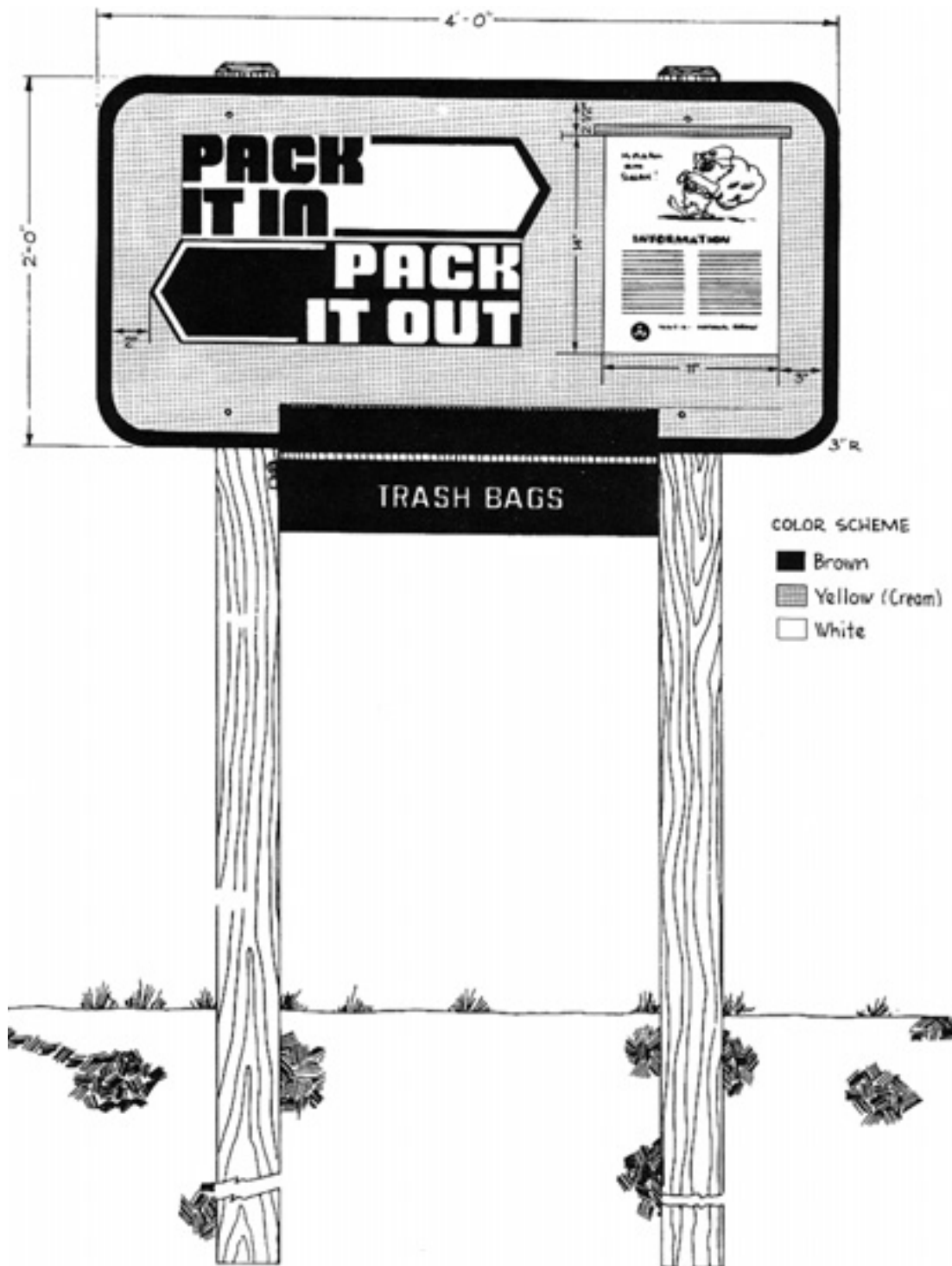
For sign guidelines, see Chapter 5.

For panel construction, see Chapter 14.

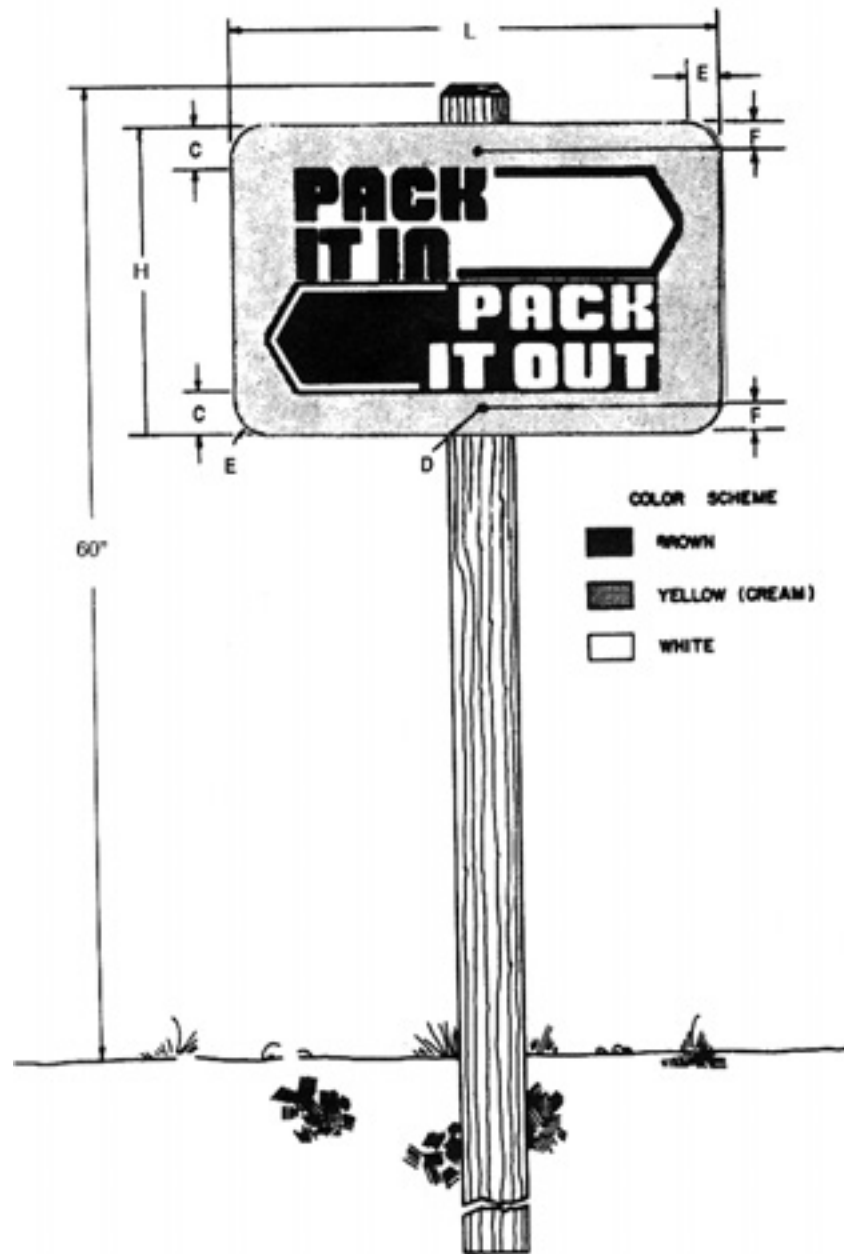
For National Wild and Scenic River logo, see Chapter 5.

7B.9 Solid Waste Disposal Signs

Text layout—Solid Waste Disposal sign (SW-1) PACK IT IN/PACK IT OUT with bag dispenser



Text layout—Solid Waste Disposal sign (SW-2) PACK IT IN/PACK IT OUT reminder sign



Dimensions (inches)

Sign number	H	L	C	D	E	F
SW-2	18	30	2 1/2	3/8	1 1/2	1

Text layout—Solid Waste Disposal sign (SW-3 and SW-4) PACK IT IN/PACK IT OUT site sign



Dimensions (inches)

Sign number	H	L	C	D	E	Location
SW-3	18	13	1	1 1/2	3/8	Site sign
SW-4	11	8	1 3/4	3/4	3/8	Trailside sign

Colors

Black legend on white background.

8. SOLICITATION PROVISIONS

8.1 FAR 52.212-1 INSTRUCTIONS TO OFFEROR-COMMERCIAL ITEMS (Nov 2007) **(TAILORED/ADDENDA)**

General Instructions. Proposals submitted in response to this solicitation shall be furnished in the following format with the numbers of copies as specified below:

- (1) Proposals shall be submitted in two parts - a technical proposal and a price proposal. Each part shall be separate and complete in itself so that evaluation of one may be accomplished independently of the other. The price proposal shall be submitted with the solicitation forms, no breakdown of the unit price is required. The technical proposal must not contain reference to cost; however, resource information (such as data concerning labor hours and categories, materials, subcontracts, etc.) must be contained in the technical proposal so that the contractor's understanding of the statement of work may be evaluated.
- (2) Offerors are cautioned that sufficient and detailed information must be presented in their technical proposals to enable the Government to evaluate their proposals fully in accordance with the evaluation and award criteria contained herein. The Government is not obligated to ask for additional information and in the absence of appropriate information the proposal will be rated deficient.
- (3) The Government will evaluate proposals in accordance with FAR Clause 52.212-2 "Evaluation – Commercial Items (JAN 1999)" evaluation criteria as set forth herein.
- (4) Offerors shall submit their proposal(s) in the following format and the quantities specified:
 - (i) 1 copy of the Business Proposal (includes SF-1449, Schedule of Items, acknowledgement of amendments, and Section 8.3 or registration in ORCA).
 - (ii) 1 copy of the Technical Proposal (Completed Experience and Capability Questionnaire)
- (5) Period for Acceptance of Offers. The Offeror agrees to hold the prices in its offer firm for **30** calendar days from the date specified for receipt of offers.
- (6) Contract Award. We intend to evaluate offers and award a contract without discussions with Offerors. Therefore, your initial offer should contain your best terms from a price and technical standpoint. However, we reserve the right to conduct discussions if later determined by the Contracting Officer to be necessary. We may reject any or all offers if such action is in the public interest, accept other than the lowest priced offer; and waive informalities and minor irregularities in offers received.

Technical Proposal.

- (1) **Past Performance** – Offerors shall submit past performance information for their firm and any proposed major subcontractors performing more than 20% of the work. Performance information may be obtained from references provided.

The offeror shall complete the attached "Experience and Capability Questionnaire" for **relevant projects** completed during the past **three** years and all contracts and subcontracts in progress. The list should include, but is not limited to, contracts and subcontracts similar in nature and complexity to that required by this solicitation. Include contracts with the Federal Government, agencies of state, and local governments, and commercial customers. Offerors that are newly formed entities, without prior contracts as an entity, should list contracts and subcontracts completed by all **personnel deemed vital to successful performance**. Firms with no experience in the type of work described may show: similar type projects which demonstrate their ability to perform in a timely manner, experience, and past performance of their employees, or their work as a subcontractor.

Include the following information for each contract/subcontract:

- A) Contract Amount
- B) Type of Project
- C) Date Completed
- D) Contact Name and Phone Number

The offeror may provide information on problems encountered on the contracts and subcontracts listed and the corrective actions taken to resolve those problems. The Government may obtain information from existing contract files. Because discussions may not be held, the offeror may refute any problems in the original offer.

Each offeror will be evaluated on their performance under existing and prior contracts of a similar nature. Performance information will be used as an evaluation factor against which offerors' relative rankings will be compared to assure best value to the Government. The Government will focus on information that demonstrates quality of performance relative to the size and complexity of the procurement under consideration. The Government may contact references beyond those identified by

the offeror to obtain additional information for use in both the responsibility determination and in further evaluation of the offeror's past performance.

Note: If the contractor does not provide past performance information, **or indicate a lack of Past Performance** with its offer, the Contracting Officer need not pursue further information if it is clear that the offeror's price is not competitive.

The Office of Management and Budget (OMB) has authorized Federal agencies to collect past performance information under OMB clearance number 9000-0142.

(2) Experience and Capability—The Government will evaluate the offeror's experience and capability in the type of work within the scope of the Government's requirement. Current contract commitments and the organization available to work on this project will be assessed.

Business (Price) Proposal.

The Schedule of Items shall be submitted as your price proposal package. Each price quote shall be evaluated to determine its reasonableness and to determine the demonstrated understanding of the level of effort (involved costs) needed to successfully perform the services. Any offered prices substantially above or below the average cost may be reason for rejection of the proposal. Results of reasonable price quotes along with the results of the technical evaluation will be the basis for the award decision.

8.2 FAR 52.212-2 EVALUATION - COMMERCIAL ITEMS (JAN 1999)

The Government will award a contract resulting from this solicitation to the responsible offeror whose offer conforming to the solicitation will be most advantageous to the Government, price and other factors considered. The offeror's proposal shall be in the format prescribed by, and shall contain a response to each of the areas identified, which affects the evaluation factors for award. The Government will determine best overall value on the basis of the factors described below.

Criteria: Past Performance, Eperience and Capability, and Price will be considered the "Best Value" evaluation. The technical factors, when combined are approximately equal to price in importance.

1. Technical Proposal. A firm's Technical Proposal will be evaluated based upon the responses to the evaluation factor Past Performance. A "Contractor Performance Data Sheet" for all **relevant projects** completed during the past **three** years and all contracts and subcontracts in progress should be prepared.

A. **Past Performance.** The Government will consider the relevance of past performance information obtained in relation to the scope of this procurement with respect to both a similar efforts, and the length and scope, number, complexity, and diversity of contracts completed by the firm. Past performance, either positive or negative, which is considered by the Government to be more closely related to the scope of this effort will be given additional weight in the evaluation process.

B. **Experience and Capability.** The Government will evaluate the offeror's experience and capability in the type of work within the scope of the Government's requirement.

2. Price Evaluation Criterion.

The degree of importance of the price will increase with the degree of equality of the proposals in relation to the other factors on which selection is to be based, or when the price is so significantly high as to diminish the value of the technical superiority to the Government.

A written notice of award or acceptance of an offer mailed or otherwise furnished to the successful offeror within the time for acceptance specified in the offer, shall result in a binding contract without further action by either party. Before the offer's specified expiration time, the Government may accept an offer (or part of an offer), whether or not there are negotiations after its receipt, unless a written notice of withdrawal is received before award. The award may incorporate written information provided by the offeror(s) and utilized by the Government as the basis for award selection.

EXPERIENCE AND CAPABILITY QUESTIONNAIRE -- OMB Clearance Number 9000-0142

Instructions: See Box 10, REMARKS, if extra space is needed to answer any items below. Mark "X" in the appropriate boxes. Please list NA for inapplicable items. Offerer should copy if extra space needed or in another format provide identical information.

1. Contractor's Name, Address & Telephone Number	2. Type of Business
	___ Company
	___ Corporation
	___ Non-profit Organization
	___ Co-partner
	___ Individual

3. How many years of experience do you have in this line of work? _____

4. How many years of experience as a prime contractor? _____ subcontractor? _____

5. List the projects your business has completed in the last 3 years.

Contract Amount	Type of Project	Date Completed	Name and Telephone Number to Contact For Information

6. List all of your firm's current contract commitments.

Contract Number	Contract Amount	Type of Project	Est. Date of Completion	Name and Telephone Number to Contact For Information

7a. Have you ever failed to complete any work awarded to you? ___ yes ___ no

7b. Has work ever been completed by performance bond? ___ yes ___ no

7c. If "yes" to either Question 7a. or 7b., please specify location(s) and reason(s):

EXPERIENCE AND CAPABILITY QUESTIONNAIRE -- OMB Clearance Number 9000-0142

8. Organization that will be available for this project:

a. Minimum No. of employees: _____ Maximum No. of employees: _____

b. Are employees regularly on your payroll? ____ yes ____ no

c. If applicable, specify equipment available for this contract:

d. If applicable, estimate rate of progress:

Minimum progress rate: _____ Maximum progress rate: _____

9. List the experience of the principal individuals of your business.

Individual's Name	Present Position	Years Experience	Type of Work

10. Remarks:

CERTIFICATION: I certify that all of the statements made above are complete and correct to the best of my knowledge and that ny persons named as references are authorized to furnish the Forest Service with any information needed to verify my capability to perform this project.

Signature

Title

Date

8.3 FAR 52.212-3 OFFEROR REPRESENTATIONS AND CERTIFICATIONS-COMMERCIAL ITEMS (JUN 2009)

An Offeror shall complete only paragraph (k) of this provision if the offeror has completed the annual representations and certifications electronically at <http://orca.bpn.gov>. If an offeror has not completed the annual representations & certifications electronically at the ORCA website, the offeror shall complete only paragraphs (b) through (k) of this provision.

(a) *Definitions.* As used in this provision:

"Emerging small business" means a small business concern whose size is no greater than 50 percent of the numerical size standard for the NAICS code designated.

"Forced or indentured child labor" means all work or service-

- (1) Exacted from any person under the age of 18 under the menace of any penalty for its nonperformance and for which the worker does not offer himself voluntarily; or
- (2) Performed by any person under the age of 18 pursuant to a contract the enforcement of which can be accomplished by process or penalties.

"Manufactured end product" means any end product in Federal Supply Classes (FSC) 1000-9999, except—

- (1) FSC 5510, Lumber and Related Basic Wood Materials;
- (2) Federal Supply Group (FSG) 87, Agricultural Supplies;
- (3) FSG 88, Live Animals;
- (4) FSG 89, Food and Related Consumables;
- (5) FSC 9410, Crude Grades of Plant Materials;
- (6) FSC 9430, Miscellaneous Crude Animal Products, Inedible;
- (7) FSC 9440, Miscellaneous Crude Agricultural and Forestry Products;
- (8) FSC 9610, Ores;
- (9) FSC 9620, Minerals, Natural and Synthetic; and
- (10) FSC 9630, Additive Metal Materials.

"Place of manufacture" means the place where an end product is assembled out of components, or otherwise made or processed from raw materials into the finished product that is to be provided to the Government. If a product is disassembled and reassembled, the place of reassembly is not the place of manufacture.

"Restricted business operations" means business operations in Sudan that include power production activities, mineral extraction activities, oil-related activities, or the production of military equipment, as those terms are defined in the Sudan Accountability and Divestment Act of 2007 (Pub. L. 110-174). Restricted business operations do not include business operations that the person conducting the business can demonstrate-

- (1) Are conducted under contract directly and exclusively with the regional government of southern Sudan;
- (2) Are conducted pursuant to specific authorization from the Office of Foreign Assets Control in the Department of the Treasury, or are expressly exempted under Federal Law from the requirement to be conducted under such authorization;
- (3) Consist of providing goods or services to marginalized populations of Sudan;
- (4) Consist of providing goods or services to an internationally recognized peacekeeping force or humanitarian organization;
- (5) Consist of providing goods or services that are used only to promote health or education; or
- (6) Have been voluntarily suspended.

"Service-disabled veteran-owned small business concern"-

- (1) Means a small business concern-

- (i) Not less than 51 percent of which is owned by one or more service-disabled veterans or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more service-disabled veterans; and
- (ii) The management and daily business operations of which are controlled by one or more service-disabled veterans or, in the case of a service-disabled veteran with permanent and severe disability, the spouse or permanent caregiver of such veteran.

- (2) Service-disabled veteran means a veteran, as defined in [38 U.S.C. 101\(2\)](#), with a disability that is service-connected, as defined in [38 U.S.C. 101\(16\)](#).

"Small business concern" means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the criteria in 13 CFR part 121 and size standards in this solicitation.

"Veteran-owned small business concern" means a small business concern-

- (1) Not less than 51 percent of which is owned by one or more veterans (as defined at [38 U.S.C. 101\(2\)](#)) or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more veterans; and
- (2) The management and daily business operations of which are controlled by one or more veterans.

"Women-owned business concern" means a concern which is at least 51 percent owned by one or more women; or in the case of any publicly owned business, at least 51 percent of its stock is owned by one or more women; and whose management and daily business operations are controlled by one or more women.

"Women-owned small business concern" means a small business concern-

- (1) That is at least 51 percent owned by one or more women; or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women; and
- (2) Whose management and daily business operations are controlled by one or more women.

(b)(1) *Annual Representations and Certifications.* Any changes provided by the offeror in paragraph (b)(2) of this provision do not automatically change the representations and certifications posted on the Online Representations and Certifications Application (ORCA) website.

(2) The offeror has completed the annual representations and certifications electronically via the ORCA website at <http://orca.bpn.gov>. After reviewing the ORCA database information, the offeror verifies by submission of this offer that the representations and certifications currently posted electronically at FAR [52.212-3](#), Offeror Representations and Certifications-Commercial Items, have been entered or updated in the past 12 months, are current, accurate, complete, and applicable to this solicitation (including business size standard applicable to the NAICS code referenced for this solicitation), as of the date of this offer and are incorporated in this offer by reference (see FAR [4.1201](#)), except for paragraphs _____.

[Offeror to identify the applicable paragraphs at (c) through (m) of this provision that the offeror has completed for the purposes of this solicitation only, if any. These amended representation(s) and/or certification(s) are also incorporated in this offer and are current, accurate, and complete as of the date of this offer. Any changes provided by the offeror are applicable to this solicitation only, and do not result in an update to the representations and certifications posted on ORCA.]

(c) Offerors must complete the following representations when the resulting contract is to be performed inside the United States or its outlying areas. Check all that apply

- (1) *Small business concern.* The offeror represents as part of its offer that it ☐ is, ☐ is not a small business concern.
- (2) *Veteran-owned small business concern.* *[Complete only if the offeror represented itself as a small business concern in paragraph (c)(1) of this provision.]* The offeror represents as part of its offer that it ☐ is, ☐ is not a veteran-owned small business concern.
- (3) *Service-disabled veteran-owned small business concern.* *[Complete only if the offeror represented itself as a veteran-owned small business concern in paragraph (c)(2) of this provision.]* The offeror represents as part of its offer that it ☐ is, ☐ is not a service-disabled veteran-owned small business concern.
- (4) *Small disadvantaged business concern.* *[Complete only if the offeror represented itself as a small business concern in paragraph (c)(1) of this provision.]* The offeror represents, for general statistical purposes, that it ☐ is, ☐ is not a small disadvantaged business concern as defined in 13 CFR 124.1002.
- (5) *Women-owned small business concern.* *[Complete only if the offeror represented itself as a small business concern in paragraph (c)(1) of this provision.]* The offeror represents that it ☐ is, ☐ is not a women-owned small business concern.

Note: Complete paragraphs (c)(6) and (c)(7) only if this solicitation is expected to exceed the simplified acquisition threshold.

- (6) *Women-owned business concern (other than small business concern).* *[Complete only if the offeror is a women-owned business concern and did not represent itself as a small business concern in paragraph (c)(1) of this provision.]* The offeror represents that it ☐ is a women-owned business concern.
 - (7) *Tie bid priority for labor surplus area concerns.* If this is an invitation for bid, small business offerors may identify the labor surplus areas in which costs to be incurred on account of manufacturing or production (by offeror or first-tier subcontractors) amount to more than 50 percent of the contract price:
-

- (8) Small Business Size for the Small Business Competitiveness Demonstration Program and for the Targeted Industry Categories under the Small Business Competitiveness Demonstration Program. *[Complete only if the offeror has represented itself to be a small business concern under the size standards for this solicitation.]*
- (i) *[Complete only for solicitations indicated in an addendum as being set-aside for emerging small businesses in one of the designated industry groups (DIGs).]* The offeror represents as part of its offer that it ☐ is, ☐ is not an emerging small business.
- (ii) *[Complete only for solicitations indicated in an addendum as being for one of the targeted industry categories (TICs) or designated industry groups (DIGs).]* Offeror represents as follows:
- (A) Offeror's number of employees for the past 12 months (check the Employees column if size standard stated in the solicitation is expressed in terms of number of employees); or
- (B) Offeror's average annual gross revenue for the last 3 fiscal years (check the Average Annual Gross Number of Revenues column if size standard stated in the solicitation is expressed in terms of annual receipts).

(Check one of the following):

Number of Employees	Average Annual Gross Revenues
☐ 50 or fewer	☐ \$1 million or less
☐ 51-100	☐ \$1,000,001-\$2 million
☐ 101-250	☐ \$2,000,001-\$3.5 million
☐ 251-500	☐ \$3,500,001-\$5 million
☐ 501-750	☐ \$5,000,001-\$10 million
☐ 751-1,000	☐ \$10,000,001-\$17 million
☐ Over 1,000	☐ Over \$17 million

- (9) *[Complete only if the solicitation contains the clause at FAR [52.219-23](#), Notice of Price Evaluation Adjustment for Small Disadvantaged Business Concerns, or FAR [52.219-25](#), Small Disadvantaged Business Participation Program-Disadvantaged Status and Reporting, and the offeror desires a benefit based on its disadvantaged status.]*
- (i) *General.* The offeror represents that either-
- (A) It ☐ is, ☐ is not certified by the Small Business Administration as a small disadvantaged business concern and identified, on the date of this representation, as a certified small disadvantaged business concern in the database maintained by the Small Business Administration (PRO-Net), and that no material change in disadvantaged ownership and control has occurred since its certification, and, where the concern is owned by one or more individuals claiming disadvantaged status, the net worth of each individual upon whom the certification is based does not exceed \$750,000 after taking into account the applicable exclusions set forth at 13 CFR 124.104(c)(2); or
- (B) It ☐ has, ☐ has not submitted a completed application to the Small Business Administration or a Private Certifier to be certified as a small disadvantaged business concern in accordance with 13 CFR 124, Subpart B, and a decision on that application is pending, and that no material change in disadvantaged ownership and control has occurred since its application was submitted.
- (ii) ☐ *Joint Ventures under the Price Evaluation Adjustment for Small Disadvantaged Business Concerns.* The offeror represents, as part of its offer, that it is a joint venture that complies with the requirements in 13 CFR 124.1002(f) and that the representation in paragraph (c)(9)(i) of this provision is accurate for the small disadvantaged business concern that is participating in the joint venture. *[The offeror shall enter the name of the small disadvantaged business concern that is participating in the joint venture:_____.]*
- (iii) *Address.* The offeror represents that its address ☐ is, ☐ is not in a region for which a small disadvantaged business procurement mechanism is authorized and its address has not changed since its certification as a small disadvantaged business concern or submission of its application for certification. The list of authorized small disadvantaged business procurement mechanisms and regions is posted at

<http://www.arnet.gov/References/sdbadjustments.htm>. The offeror shall use the list in effect on the date of this solicitation. "Address," as used in this provision, means the address of the offeror as listed on the Small Business Administration's register of small disadvantaged business concerns or the address on the completed application that the concern has submitted to the Small Business Administration or a Private Certifier in accordance with 13 CFR part 124, subpart B. For joint ventures, "address" refers to the address of the small disadvantaged business concern that is participating in the joint venture.

- (10) *HUBZone small business concern.* [Complete only if the offeror represented itself as a small business concern in paragraph (c)(1) of this provision.] The offeror represents, as part of its offer, that-
- (i) It ☐ is, ☐ is not a HUBZone small business concern listed, on the date of this representation, on the List of Qualified HUBZone Small Business Concerns maintained by the Small Business Administration, and no material change in ownership and control, principal office, or HUBZone employee percentage has occurred since it was certified by the Small Business Administration in accordance with 13 CFR part 126; and
 - (ii) It ☐ is, ☐ is not a joint venture that complies with the requirements of 13 CFR part 126, and the representation in paragraph (c)(10)(i) of this provision is accurate for the HUBZone small business concern or concerns that are participating in the joint venture. [The offeror shall enter the name or names of the HUBZone small business concern or concerns that are participating in the joint venture: _____.] Each HUBZone small business concern participating in the joint venture shall submit a separate signed copy of the HUBZone representation.

(d) Representations required to implement provisions of Executive Order 11246-

- (1) Previous contracts and compliance. The offeror represents that-
 - (i) It ☐ has, ☐ has not participated in a previous contract or subcontract subject to the Equal Opportunity clause of this solicitation; and
 - (ii) It ☐ has, ☐ has not filed all required compliance reports.
- (2) *Affirmative Action Compliance.* The offeror represents that-
 - (i) It ☐ has developed and has on file, ☐ has not developed and does not have on file, at each establishment, affirmative action programs required by rules and regulations of the Secretary of Labor (41 CFR parts 60-1 and 60-2), or
 - (ii) It ☐ has not previously had contracts subject to the written affirmative action programs requirement of the rules and regulations of the Secretary of Labor.

(e) Certification Regarding Payments to Influence Federal Transactions (31 U.S.C. 1352). (Applies only if the contract is expected to exceed \$100,000.) By submission of its offer, the offeror certifies to the best of its knowledge and belief that no Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress or an employee of a Member of Congress on his or her behalf in connection with the award of any resultant contract. If any registrants under the Lobbying Disclosure Act of 1995 have made a lobbying contact on behalf of the offeror with respect to this contract, the offeror shall complete and submit, with its offer, OMB Standard Form LLL, Disclosure of Lobbying Activities, to provide the name of the registrants. The offeror need not report regularly employed officers or employees of the offeror to whom payments of reasonable compensation were made.

(f) Buy American Act Certificate. (f) Buy American Act Certificate. (Applies only if the clause at Federal Acquisition Regulation (FAR) [52.225-1](#), Buy American Act—Supplies, is included in this solicitation.)

- (1) The offeror certifies that each end product, except those listed in paragraph (f)(2) of this provision, is a domestic end product and that for other than COTS, the offeror has considered components of unknown origin to have been mined, produced, or manufactured outside the United States. The offeror shall list as foreign end products those end products manufactured in the United States that do not qualify as domestic end products, i.e., an end product that is not a COTS item and does not meet the component test in paragraph (2) of the definition of "domestic end product". The terms "commercially off-the-shelf (COTS) item", "component", "domestic end product", "end product", "foreign end product", and "Untied States" are defined in the clause of this solicitation entitled "Buy American Act-Supplies".

(2) Foreign End Products:

LINE ITEM NO.	COUNTRY OF ORIGIN
---------------	-------------------

(List as necessary)

(3) The government will evaluate offers in accordance with the policies and procedures of FAR [Part 25](#).

(g)(1) *Buy American Act-Free Trade Agreements-Israeli Trade Act Certificate*. (Applies only if the clause at FAR [52.225-3](#), Buy American Act—Free Trade Agreements—Israeli Trade Act, is included in this solicitation.)

(i) The offeror certifies that each end product, except those listed in paragraph (g)(1)(ii) or (g)(1)(iii) of this provision, is a domestic end product and that for other than COTS items, the offeror has considered components of unknown origin to have been mined, produced, or manufactured outside the United States. The terms “Bahrainian or Moroccan, Omani or Peruvian end product,” “commercially available off-the-shelf(COTS) item,” “component”, “domestic end product”, “end product”, “foreign end product”, “Free Trade Agreement country”, “Free Trade Agreement country end product”, “Israeli end product”, and “United States are defined in the clause of this solicitation entitled “Buy American Act—Free Trade Agreements—Israeli Trade Act”.

(ii) The offeror certifies that the following supplies are Free Trade Agreement country end products (other than Bahrainian or Moroccan, Omani or Peruvian end products) or Israeli end products as defined in the clause of this solicitation entitled “Buy American Act—Free Trade Agreements—Israeli Trade Act”:

Free Trade Agreement Country End Products (other than Bahrainian or Moroccan, Omani or Peruvian End Products) or Israeli End Products:

LINE ITEM NO.	COUNTRY OF ORIGIN

(List as necessary)

(iii) The offeror shall list those supplies that are foreign end products (other than those listed in paragraph (g)(1)(ii) of this provision) as defined in the clause of this solicitation entitled “Buy American Act—Free Trade Agreements—Israeli Trade Act.” The offeror shall list as other foreign end products those end products manufactured in the United States that do not qualify as domestic end products, *i.e.*, an end product that is not a COTS item and does not meet the component test in paragraph (2) of the definition “domestic end product.”

OTHER FOREIGN END PRODUCTS: (List as necessary)	
LINE ITEM NO.	COUNTRY OF ORIGIN

(iv)The Government will evaluate offers in accordance with the policies and procedures of FAR [Part 25](#).

(2) Buy American Act--Free Trade Agreements--Israeli Trade Act Certificate, Alternate I. If Alternate I to the clause at FAR [52.225-3](#) is included in this solicitation, substitute the following paragraph (g)(1)(ii) for paragraph (g)(1)(ii) of the basic provision:

(g)(1)(ii) The offeror certifies that the following supplies are Canadian end products as defined in the clause of this solicitation entitled “Buy American Act—Free Trade Agreements—Israeli Trade Act”:

CANADIAN END PRODUCTS: (List as necessary)	
LINE ITEM NO.	

(3) Buy American Act—Free Trade Agreements—Israeli Trade Act Certificate, Alternate II. If Alternate II to the clause at FAR [52.225-3](#) is included in this solicitation, substitute the following paragraph (g)(1)(ii) for paragraph (g)(1)(ii) of the basic provision:

(g)(1)(ii) The offeror certifies that the following supplies are Canadian end products or Israeli end products as defined in the clause of this solicitation entitled “Buy American Act—Free Trade Agreements—Israeli Trade Act”:

CANADIAN OR ISRAELI END PRODUCTS: (List as necessary)	
LINE ITEM NO.	COUNTRY OF ORIGIN

(4) Trade Agreements Certificate. (Applies only if the clause at FAR [52.225-5](#), Trade Agreements, is included in this solicitation.)

- (i) The offeror certifies that each end product, except those listed in paragraph (g)(4)(ii) of this provision, is a U.S. made or designated country end product, as defined in the clause of this solicitation entitled “Trade Agreements.”
- (ii) The offeror shall list as other end products those end products that are not U.S.-made or designated country end products.

OTHER END PRODUCTS: [List as necessary]	
LINE ITEM NO.	COUNTRY OF ORIGIN

(iii) The Government will evaluate offers in accordance with the policies and procedures of FAR [Part 25](#). For line items covered by the WTO GPA, the Government will evaluate offers of U.S.-made or designated country end products without regard to the restrictions of the Buy American Act. The Government will consider for award only offers of U.S.-made or designated country end products unless the Contracting Officer determines that there are no offers for such products or that the offers for such products are insufficient to fulfill the requirements of the solicitation.

(h) *Certification Regarding Responsibility Matters (Executive Order 12689)*. (Applies only if the contract value is expected to exceed the simplified acquisition threshold.) The offeror certifies, to the best of its knowledge and belief, that the offeror and/or any of its principals-

- (1) ☐ Are, ☐ are not presently debarred, suspended, proposed for debarment, or declared ineligible for the award of contracts by any Federal agency;
- (2) ☐ Have, ☐ have not, within a three-year period preceding this offer, been convicted of or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a Federal, state or local government contract or subcontract; violation of Federal or state antitrust statutes relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, or receiving stolen property;
- (3) ☐ Are, ☐ are not presently indicted for, or otherwise criminally or civilly charged by a Government entity with, commission of any of these offenses enumerated in paragraph (h)(2) of this clause; and
- (4) ☐ Have, ☐ have not, within a three-year period preceding this offer, been notified of any delinquent Federal taxes in an amount that exceeds \$3,000 for which the liability remains unsatisfied.

(i) Taxes are considered delinquent if both of the following criteria apply:

- (A) *The tax liability is finally determined.* The liability is finally determined if it has been assessed. A liability is not finally determined if there is a pending administrative or judicial challenge. In the case of a judicial challenge to the liability, the liability is not finally determined until all judicial appeal rights have been exhausted.
- (B) *The taxpayer is delinquent in making payments.* A taxpayer is delinquent if the taxpayer has failed to pay the tax liability when full payment was due and required. A taxpayer is not delinquent in cases where enforced collection action is precluded.

(ii) *Examples.* (A) The taxpayer has received a statutory notice of deficiency, under I.R.C. §6212, which entitles the taxpayer to seek Tax Court review of a proposed tax deficiency. This is not a delinquent tax because it is not a final tax liability. Should the taxpayer seek Tax Court review, this will not be a final tax liability until the taxpayer has exercised all judicial appeal rights.

(B) The IRS has filed a notice of Federal tax lien with respect to an assessed tax liability, and the taxpayer has been issued a notice under I.R.C. §6320 entitling the taxpayer to request a hearing with the IRS Office of Appeals contesting the lien filing, and to further appeal to the Tax Court if the IRS determines to sustain the lien filing. In the course of the hearing, the taxpayer is entitled to contest the underlying tax liability because the taxpayer has had no prior opportunity to contest the liability. This is not a delinquent tax because it is not a final tax liability. Should the taxpayer seek tax court review, this will not be a final tax liability until the taxpayer has exercised all judicial appeal rights.

(C) The taxpayer has entered into an installment agreement pursuant to I.R.C. §6159. The taxpayer is making timely payments and is in full compliance with the agreement terms. The taxpayer is not delinquent because the taxpayer is not currently required to make full payment.

(D) The taxpayer has filed for bankruptcy protection. The taxpayer is not delinquent because enforced collection action is stayed under 11 U.S.C. §362 (the Bankruptcy Code).

(i) Certification Regarding Knowledge of Child Labor for *Listed End Products* (Executive Order 13126). [The Contracting Officer must list in paragraph (i)(1) any end products being acquired under this solicitation that are included in the List of Products Requiring Contractor Certification as to Forced or Indentured Child Labor, unless excluded at [22.1503\(b\)](#).]

(1) LISTED END PRODUCTS:	
LISTED END PRODUCT	LISTED COUNTRIES OF ORIGIN

(ii) *Certification.* [If the Contracting Officer has identified end products and countries of origin in paragraph (i)(1) of this provision, then the offeror must certify to either (i)(2)(i) or (i)(2)(ii) by checking the appropriate block.]

- ☐ (i) The offeror will not supply any end product listed in paragraph (i)(1) of this provision that was mined, produced, or manufactured in the corresponding country as listed for that product.
- ☐ (ii) The offeror may supply an end product listed in paragraph (i)(1) of this provision that was mined, produced, or manufactured in the corresponding country as listed for that product. The offeror certifies that it has made a good faith effort to determine whether forced or indentured child labor was used to mine, produce, or manufacture any such end product furnished under this contract. On the basis of those efforts, the offeror certifies that it is not aware of any such use of child labor.

(j) *Place of manufacture.* (Does not apply unless the solicitation is predominantly for the acquisition of manufactured end products.) For statistical purposes only, the offeror shall indicate whether the place of manufacture of the end products it expects to provide in response to this solicitation is predominantly—

- (1) ☐ ~~in~~ the United States (Check this box if the total anticipated price of offered end products manufactured in the United States exceeds the total anticipated price of offered end products manufactured outside the United States); or
- (2) ☐ ~~Outside the~~ United States.

(k) *Certificates regarding exemptions from the application of the Service Contract Act.* (Certification by the offeror as to its compliance with respect to the contract also constitutes its certification as to compliance by its subcontractor if it subcontracts out the exempt services.) [The contracting officer is to check a box to indicate if paragraph (k)(1) or (k)(2) applies.]

[] (1) Maintenance, calibration, or repair of certain equipment as described in FAR [22.1003-4\(c\)\(1\)](#). The offeror ☐ does ☐ does not certify that—

(i) The items of equipment to be serviced under this contract are used regularly for other than Governmental purposes and are sold or traded by the offeror (or subcontractor in the case of and exempt contract) in substantial quantities to the general public in the course of normal business operations;

(ii) The services will be furnished at prices which are, or are based on, established catalog or market prices (see FAR [22.1003-4\(c\)\(2\)\(ii\)](#)) for the maintenance, calibration, or repair of such equipment; and

(iii) The compensation (wage and fringe benefits) plan for all service employees performing work under the contract will be the same as that used for these employees and equivalent employees servicing the same equipment of commercial customers.

[] (2) Certain services as described in FAR [22.1003-4\(d\)\(1\)](#). The offeror ☐ does ☐ does not certify that—

(i) The services under the contract are offered and sold regularly to non-Governmental customers, and are provided by the offeror (or subcontractor in the case of an exempt subcontract) to the general public in substantial quantities in the course of normal business operations;

(ii) The contract services will be furnished at prices that are, or are based on, established catalog or market prices (see FAR [22.1003-4\(d\)\(2\)\(iii\)](#));

(iii) Each service employee who will perform the services under the contract will spend only a small portion of his or her time (a monthly average of less than 20 percent of the available hours on an annualized basis, or less than 20 percent of available hours during the contract period if the contract period is less than a month) servicing the Government contract; and

(iv) The compensation (wage and fringe benefits) plan for all service employees performing work under the contract is the same as that used for these employees and equivalent employees servicing commercial customers.

(3) If paragraph (k)(1) or (k)(2) of this clause applies—

(i) If the offeror does not certify to the conditions in paragraph (k)(1) or (k)(2) and the Contracting Officer did not attach a Service Contract Act wage determination to the solicitation, the offeror shall notify the Contracting Officer as soon as possible; and

(ii) The Contracting Officer may not make an award to the offeror if the offeror fails to execute the certification in paragraph (k)(1) or (k)(2) of this clause or to contact the Contracting Officer as required in paragraph (k)(3)(i) of this clause.