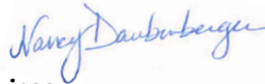


Technical Memorandum

To: Electronic Distribution Recipients

From: Nancy T. Daubenberger, P.E.
Division Director, Engineering Services



Subject: Requestor-Pay Signing Costs

Expiration

This Technical Memorandum (TM) supersedes TM 12-02-T-01 and will remain in effect until June 1, 2022, unless superseded prior to that date.

Implementation

This technical memorandum, which updates signing costs currently specified in the Traffic Engineering Manual, shall be effective immediately.

Introduction

Requester-pay signs include, but are not limited to, signs for local street and road identification, airports, educational institutions, regional shopping centers, tourist and travel information, economic development and major and minor traffic generators. Major traffic generators are regional attractions which are unique due to their educational, cultural, historical, or recreational experience and public appeal. Examples of minor traffic generators include museums, public water accesses, parks, ski areas, and recycling centers. Requester-pay signs also include Specific Service Signs. Further explanation of these signs can be found in Chapter 6 of the MnDOT Traffic Engineering Manual. Requester-pay sign costs are currently specified in Chapter 6 in the MnDOT Traffic Engineering Manual.

Purpose

The purpose of this technical memorandum is to establish current costs for all types of requester-pay signs, including Specific Service Signs. The costs in this technical memorandum will be reviewed annually and reissued in new technical memoranda as necessary.

Guidelines

Requester-Pay Signing Costs

The cost for requester-pay signs is composed of a base cost plus a fabrication cost. The base cost includes preparation and installation expenses. The fabrication cost is a per square foot cost based on current prices for retroreflective sheeting, aluminum substrate, electronic cuttable film,

and labor for fabricating each sign. Overhead charges are included in all costs.

The assumptions used to develop the costs in the original Technical Memorandum 97-19-T-06 were also used to develop the current costs contained in Tables 1-3 (see attachment).

All labor costs are based on average hourly wages and benefits for each classification of worker.

The average trip is assumed to be 40 miles. The return trip is not charged because it is assumed that other work will be done on the trip. No costs have been included for maintenance.

Specific Service Signs

The charges in Table 4 for Specific Service Signs have been derived from the other attached tables and cost analysis chart for a 9-square-foot sign panel.

Questions

Any questions regarding the technical provisions of this Technical Memorandum can be addressed to either of the following:

Heather Lott, State Signing Engineer
651-234-7371

Any questions regarding publication of this Technical Memorandum should be referred to the Design Standards Unit, DesignStandards.DOT@state.mn.us. A link to all active and historical Technical Memoranda can be found at <http://techmemos.dot.state.mn.us/techmemo.aspx>.

To add, remove or change your name on the Technical Memoranda mailing list, please visit the web page <http://techmemos.dot.state.mn.us/subscribe.aspx>

Attachments:

- A. Tables (1-4)
- B. Cost Analysis Chart

REQUESTOR PAY SIGN COSTS

Table 1: Initial Sign Structure and Sign Panel

Sign size	Total Cost [Base Cost] + [(Cost per sq ft) * sq ft of sign panel]	
	Base Cost (1)	Cost per sq ft (2)
up to 20 sq ft	\$799.00	\$15.90
20 - 50 sq ft	\$927.00	\$15.90
50.1 - 90 sq ft	\$1,060.00	\$15.90

Notes:

(1) Includes structural materials, equipment, and installation labor costs.

(2) Includes aluminum, sheeting materials and panel fabrication costs.

Table 2: Replace Sign Panel Only

Sign size	Total Cost [Base Cost] + [(Cost per sq ft) * sq ft of sign panel]	
	Base Cost (1)	Cost per sq ft (2)
up to 20 sq ft	\$306.00	\$15.90
20 - 50 sq ft	\$356.00	\$15.90
50.1 - 90 sq ft	\$406.00	\$15.90

Notes:

(1) Includes structural materials, equipment, and installation labor costs.

(2) Includes aluminum, sheeting materials and panel fabrication costs.

Table 3: Sign Relocation Costs

Sign size	Cost to move in place sign
0 - 20 sq ft	\$450.00
20.1 - 50 sq ft	\$500.00
50.1 - 90 sq ft	\$550.00

Table 4: Specific Service Sign Costs

Work Type	Total Cost
Initial Sign Structure and Panel Installation	\$943.00
Replace Sign Structure and Sign Panel	\$677.00
Replace Sign Structure or Relocate	\$534.00
Replace Sign Panel	\$449.00

REQUESTER PAY SIGN COSTS - 2017

				SIGN SIZE BY CATEGORY									
				up to 20 sq ft		20 - 50 sq ft		50 - 90 sq ft					
				hr	equal	hr	equal	hr	equal				
Labor (includes the Labor Additive of 21.12% AND Maintenance/Billing Overhead of 22.36%)				rate/hr									
1 TGS to field spot sign location and draw up plans for TSS work order				54.02	2.5	\$	135.05	2.5	\$	135.05	2.5	\$	135.05
1 TGS to locate				54.02	1	\$	54.02	1	\$	54.02	1	\$	54.02
2 TG's to install				50.03	4	\$	200.12	5	\$	250.15	6	\$	300.18
2 TG's to relocate and/or remove 1 sign				50.03	2	\$	100.06	2	\$	100.06	2	\$	100.06
						\$	489.25		\$	539.28		\$	589.31
Sign Structure (includes the Material Handling Charge of 25.26%)						\$	83.85		\$	161.38		\$	243.96
Equipment (includes Maintenance/Billing Overhead of 22.36%)				rate / mile									
Use average trip mileage of 40 miles		miles	equal										
1/2 ton extended cab pickup for field spotting	0.76	40	\$	30.40									
1/2 ton extended cab pickup for locating	0.76	40	\$	30.40									
Sign Truck for sign installation	4.14	40	\$	165.60									
						\$	226.40		\$	226.40		\$	226.40
						\$	226.40		\$	226.40		\$	226.40
TOTAL BASE COST						\$	799.50		\$	927.06		\$	1,059.67
Sign Panel Fabrication (requires addition of Maintenance/Billing Overhead of 22.36%)				rate/sf									
Sign Panel Fabrication Cost				13.00									
SIGN PANEL FABRICATION COST PER SQ. FT.						\$	15.90		\$	15.90		\$	15.90