

2011 Spring Application

APPLICANT INFORMATION

ORGANIZATION

Name of Organization: Town of Mammoth Lakes
Type of Organization (non-profit, HOA, Govt.): Government
Contact Person: Peter Bernasconi, Senior Civil Engineer
Organization's Address: PO Box 1609, Mammoth Lakes
State / Zip: CA 93546-1609
Office Phone Number: (760) 934-8989
Email Address: pbernasconi@ci.mammoth-lakes.ca.us
Internet Address: www.townofmammothlakes.com

PROJECT CONTACT PERSON

Name: Peter Bernasconi, Senior Civil Engineer
Mailing Address: PO Box 1609, Mammoth Lakes
State/Zip: CA 93546-1609
Home Phone Number: N/A
Mobile Phone Number: (760) 914-0285
Email Address: pbernasconi@ci.mammoth-lakes.ca.us

PROJECT SUMMARY

- 1. Name of Project:** MLTS Signage and Wayfinding Implementation Phase 3
- 2. Project Category:** Trails
- 3. Project Type** Implementation/Construction If **Other** please describe:
- 4. Measure R Funds Requested:** **\$ 70,807.00***
***This amount should be the same as requested in the application.**

PROJECT APPLICATION

SECTION 1 - PRELIMINARY QUALIFICATIONS:

1. **Describe why this project is considered urgent and was not submitted during the Fall 2010 application process?**

Please see "Attachment A: Project Urgency."

2. **Does the project live within the Draft Parks and Recreation Master Plan and/or the Draft Trail System Master Plan?**

YES

If YES, please cite (page # & Section #): Chapter 5 of the Draft Trail System Master Plan 2009

3. **Does the project meet the "Principles and Priorities" established by the Recreation Commission for the 2010 Fall Measure R funding cycle?**

YES

If YES, please cite: The project meets both priorities established by the Recreation Commission for the 2010 Fall Measure R Funding Cycle: 1. Finish Parks, Trails and Recreation projects that remain incomplete, and 2. Plan for the future.

4. **Describe your project's/service conceptual plan including size, scope, context/type, design specifications, use, and budget, or budget document.** (This should be an attachment to the application titled: "Project Concept Plan.")

Please see "Attachment B: Project Concept Plan" and "Attachment C: Project Budget."

SECTION 2 - PROJECT DESCRIPTION

1. Project Location

A. If your project is Development/Design, Implementation/Construction, or Maintenance/Operational, what is the location of your project?

This project will occur within the TOML municipal boundary, all on paved multi-use paths.

B. If your project is Contractual Services where will your services be provided?

N/A

2. Do you have approval to use the location identified in this application?

YES

If **YES**, Please provide documentation of approval : Please see "Attachment D: TOML Special-Use Permit."

If **NO**, describe how and when you will secure this approval?

3. Provide the costs for each phase of your project or service. (Where applicable)

A. Development/Design: Please see "Attachment C: Project Budget."

B. Implementation/Construction: Please see "Attachment C: Project Budget."

C. Maintenance/Operation: Please see "Attachment C: Project Budget."
(anticipated annual costs)

D. Contractual Services: Please see "Attachment C: Project Budget."
(define length of contract)

4. Provide the estimated timeline for each phase of your project or service. (Where applicable)

A. Development/Design: Please see "Attachment E: Project Timeline."

B. Implementation/Construction: Please see "Attachment E: Project Timeline."

C. Maintenance/Operation: Please see "Attachment E: Project Timeline."

D. Contractual Services: Please see "Attachment E: Project Timeline."
(define length of contract)

5. Based upon your project type ("Project Summary" Question 3) who is/will be responsible for maintenance and operation upon completion of the project/service?

The Town of Mammoth Lakes will be responsible for maintenance and operation upon completion of the project.

6. Will there be volunteer hours used for any phase of your project?

YES

If **YES**, please identify which phase, how many hours and the value of those hours: Approximately 280 volunteer hours will be applied to the implementation/construction phase, at an estimated value of \$5,838.

7. Have any public funds (Town Funds – includes Measure R) been previously committed to this project/service or project site?

YES

If **YES**, please list: MLTPA MR Fall 2009 (approx. \$50,000); MLTPA MR Fall 2010 (\$13,844); State Transportation Improvement Program (Phase 1, \$60,000); American Recovery and Reinvestment Act (Phase 2, \$343,100)

8. Is Measure R your only funding source for this project/service?

NO

If **NO**, provide amount and source of additional funds(You will be required to provide proof of this funding) MLTPA will contribute some funding to this effort (approximately 5% of the project cost).

9. Is your project/service going to have an impact (positive or negative) on existing use in the location you have identified?

(Please Describe)Please see "Attachment F: Project Impact."

10. Describe your plan for how the Town of Mammoth Lakes will manage/maintain oversight of this project/service?

The TOML will manage and maintain oversight of this project through the annual maintenance program established for the TOML's component of the Mammoth Lakes Trail System. For the new signage to be fabricated and installed, the TOML Public Works Department will prepare the plans and specifications, advertise for a construction contractor to fabricate and install the signs, and provide inspection of the installation and final product.

SECTION 3 - PROJECT BENEFITS

- 1. Describe how your project/service provides a measurable community benefit (incremental visits, revenue, etc..) to the residents and visitors of Mammoth Lakes?**

Please see "Attachment G: Community Benefits."

- 2. Describe the targeted users of your project/service? (Include numbers of participants)**

Targeted users of the facilities and opportunities that will derive from the tasks described in "Attachment B: Project Concept Plan" include the approximately 7,500 year-round residents of Mammoth Lakes as well as the town's 2.75 million to 3 million annual visitors.

- 3. Is it available for limited or year round use?**

Year-round use

- 4. Describe the economic benefits of your project/service.**

Please see "Attachment H: Economic Benefits."

- 5. Please provide any additional information you would like the Recreation Commission to consider when reviewing your application.**

Please see "Exhibit A: Design Concept," "Exhibit B: Sign Location Map," and "Exhibit C: Photo Documentation." An application to fund MLTS Signage and Wayfinding Implementation Phase 4 will be submitted for the Fall 2011 Measure R grant cycle.

Submittal Deadline: Friday, April 15, 2011; 12 Noon

**Measure R Spring 2011 Grant Application
“MLTS Signage and Wayfinding Implementation Phase 3”**

Attachment A: Project Urgency

The Mammoth Lakes Trail System (MLTS) Signage and Wayfinding Implementation, Phase 3, project falls into three action areas. Urgency for each is addressed below:

1. Fabrication and installation of new MLTS signage: In early March 2011, the Sierra Nevada Conservancy (SNC) Board of Directors decided against funding the TOML’s fall 2010 application for the fabrication and installation of a series of MLTS signs that would have complemented and completed MLTS Signage and Wayfinding Implementation Phase 2, paid for through funds granted to the Inyo National Forest (INF) from the American Recovery and Reinvestment Act (ARRA) and slated for installation in the summer of 2011. Messaging and maps for Phase 2 and for signs identified in the SNC grant application were developed comprehensively to enhance MLTS Signage and Wayfinding Implementation Phase 1 signs, installed by Speiss Construction on the Lakes Basin Path in the summer of 2010, and to deliver a complete MLTS signage and wayfinding system that would lead users along the Lakes Basin Path and the Town Loop and to some 58 recreation-oriented destinations. Due to the overlapping of municipal and federal jurisdictions over the lands on which these paths travel, neither the Lakes Basin Path nor the Town Loop fall entirely on municipal or public lands. Each sign is individually and strategically messaged to relate to the other signs—based on distance from particular endpoints and regardless of land-management agency—in order to provide the user with a seamless and jurisdictionally transparent experience; with the loss of the SNC funding, the system has become patchwork. This application requests funding to fabricate and install the most critical signs, in terms of wayfinding on the Town Loop only, from the SNC set; if it is not funded, the resulting significant gaps stemming from the installation of Phase 2 this summer will confuse, distract, and disorient users. All of the signs accounted for in Phase 3 fall within the “Town” sub-region as defined by consensus of the MLTS partners. Funding from the Measure R Fall 2011 grant cycle will be sought to fabricate and install signs from the unfunded SNC grant application that do not appear in this Measure R application; they will enhance the system and deliver on the original vision for phases 1, 2, and 3, but are not critical for users traveling on the Town Loop or the Lakes Basin Path.

2. Enhancement of Type 2 MLTS signs with cross-bar plaques: In the final design intent for the MLTS signage and wayfinding system, Type 2 (trailhead) signs are meant to be embellished with six different plaques informing the user of jurisdictional management, advising them of trail etiquette, promoting the system’s use of Measure R dollars, and carrying other pertinent information. Fabricating and mounting these plaques on the Type 2 signs from phases 1, 2, and 3 will complete the signs’ look and intent as well as establish consistency and convention early on. The use of Measure R funding to complete this work in the summer of 2011 will increase the task’s efficiency, as crews will already be installing signage on the MLTS and can mount the plaques simultaneously with the assistance of volunteers as needed, and will ensure that Phases 1–3 of the MLTS signage and wayfinding program are delivered to the public as a complete project.

Measure R Spring 2011 Grant Application
“MLTS Signage and Wayfinding Implementation Phase 3”

3. Remove of oval plaques on existing MLTS bollards: To best promote the new MLTS signage that has already been installed on the Lakes Basin Path (Phase 1), and that will complete wayfinding on that path and on the Town Loop this summer (Phase 2), it is highly advisable to revisit existing, older signage and to rehabilitate it to avoid confusion with messaging. Approximately 49 wooden bollards on the Town Loop were installed far prior to the creation of the 2009 Draft Trail System Master Plan Update and the signage and wayfinding guidelines found therein; as such, the messaging advertised on the oval plaques mounted on these bollards does not match the messaging collaboratively developed by the MLTS partners for use on the signage that began with the installation of Phase 1 in the summer of 2010. By removing these older ovals, the TOML will easily avoid confusing trail users with inconsistent messaging and distances and will therefore improve the effectiveness and impact of MLTS phases 2 and 3 that are to be completed by the end of fall 2011.

Measure R Spring 2011 Grant Application
“MLTS Signage and Wayfinding Implementation Phase 3”

Attachment B: Project Concept Plan

The Mammoth Lakes Trail System (MLTS) Signage and Wayfinding Implementation, Phase 3, project falls into three action areas:

1. Fabrication and installation of new MLTS signage: This proposal covers the fabrication and installation of 12 wayfinding signs along paved multi-use paths (MUPs) that are part of the MLTS, all located within the Town of Mammoth Lakes municipal boundary on property owned by the TOML. These signs will provide the minimum level of guidance necessary to facilitate uninterrupted navigation of the Town Loop. Although additional assurance markers, mileposts, and regulatory signs are envisioned for future phases, the current group of signs (Phase 3) will provide guidance at intersections, changes in direction, and other decision points, connecting trail users to more than 50 unique recreation destinations and complementing signage from MLTS Signage and Wayfinding Implementation Phase 1 (Lakes Basin Path, installed summer 2010) and Phase 2 (federal portions of the Lakes Basin Path and Town Loop, to be installed summer 2011).

Most of the trails in town were built and are signed in conformance with the Mammoth Lakes Trail System Plan adopted by Town Council in 1991, which included only very basic signage. A significantly enhanced concept for wayfinding and signage was proposed in Chapter 5 of the Draft Trail System Master Plan Update, delivered to the TOML in early 2009, which draws heavily on public input gathered through more than a year of workshops, field trips, and surveys. Phase 1 of the MLTS Signage and Wayfinding project was implemented in 2010 as part of the Lakes Basin Path construction project; 19 signs were installed along the segment of path paralleling Lake Mary Road between Minaret Road and Juniper Road using State Transportation Improvement Program (STIP) funding. In late 2010, the Inyo Forest Service (INF) awarded an American Recovery and Reinvestment Act (ARRA)–funded contract to fabricate and install 90 wayfinding signs along segments of the Town’s multi-use path system located on national forestland (Phase 2). These signs will be installed during the summer of 2011. Some Measure R funds are being used to plan, coordinate, and help manage the INF wayfinding project so that it will seamlessly integrate into past and future phases of the MLTS Signage and Wayfinding project, as portions of both the Town Loop and the Lakes Basin Path are found on INF lands.

This grant request will fund Phase 3 of the MLTS Signage and Wayfinding project. The 12 signs proposed for this grant will provide wayfinding guidance for those segments of the Town Loop that are not covered by one of the earlier phases. The proposed signage includes two Type 2 signs, eight Type 4/6 signs, one Type 6 sign, and one Type 6a sign. Details for each of these sign types are shown in “Exhibit A: Design Concept” and “Exhibit C: Photo Documentation,” both of which are attached to this application. The location and type of each sign is shown on “Exhibit B: Sign Location Map,” attached to this application.

Measure R Spring 2011 Grant Application
“MLTS Signage and Wayfinding Implementation Phase 3”

2. Enhancement of Type 2 MLTS signs with cross-bar plaques: As shown in “Exhibit A: Design Concept,” Type 2 MLTS signs (trailhead signs) are intended to feature up to six rectangular plaques on the sign’s cross-bar (three on the front, three on the back). These plaques display information about jurisdictional management of the MLTS, trail-use etiquette, use of Measure R funding for the MLTS, and other relevant information that deepens the user’s understanding of how the MLTS was designed and is operated and of how they may best interact with the system. “Exhibit C: Photo Documentation” contains images of example Type 2 plaques, installed on the prototype sign at Mammoth Creek Park; these plaques are representative of the design concept but will be replaced and updated as part of this proposal. TOML staff, with the assistance of volunteers, will mount these plaques to Phase 1 Type 2 signs, Phase 2 Type 2 signs as they are being installed this summer, and Phase 3 Type 2 signs as they are installed later in the fall of 2011. Once the plaques are mounted, the Type 2 signs can be considered complete and in accordance with the developing MLTS Standards Manual.

3. Remove of oval plaques on existing MLTS bollards: As shown in “Exhibit C: Photo Documentation,” a series of bollards were previously installed along portions of some paved multi-use paths in town. These bollards feature oval plaques that identify the original path name and in some instances also provide distances to proximate destinations. Since the bollards’ installation, the TOML, the INF, and the Mammoth Lakes Trails and Public Access Foundation (MLTPA) have collaboratively developed a mutually agreed-upon list of formal destination and facility names that have been used in the messaging for phases 1, 2, and 3 of the MLTS Signage and Wayfinding program. This list is a critical resource, as there are often multiple names for the same amenity that are used by each agency and/or by the public; for example, a popular feature of the Twin Lakes Area is alternatively known as Hole in the Wall, Lava Tubes, and The Bottomless Pit. The oval plaques on the identified bollards (approximately 63 in all) have been messaged with alternate, older path names that are in conflict with this newer list; most obviously, what was originally called Main Path is now known as the Town Loop. Funding of this proposal would allow for the removal of these plaques, which would reinforce the messaging featured on the Phase 2 signs going into the ground this summer, as users will not be given different names for a single facility, which could otherwise cause significant confusion. It is also important to remove the plaques featuring mileage to destinations, as the calculations used to determine path length and distance to facilities could be quite different from what was used when these bollards were originally installed.

Volunteers will remove plaques on bollards over two dedicated Mammoth Lakes Summer of Stewardship Trail Days in 2011 (dates pending approval of this application). Volunteers will work under the supervision of Friends of the Inyo and MLTPA and with direction from TOML staff to safely and properly complete the work.

Measure R Spring 2011 Grant Application
"MLTS Signage and Wayfinding Implementation Phase 3"
Attachment C: Project Budget/Cost by Phase

A. Development/Design:

Concept Development	Completed for previous phase	\$	-
Sign Messaging	Completed for previous phase	\$	-
Design Drawings	Completed for previous phase	\$	-
Specifications	Completed for previous phase	\$	-

B. Implementation/Construction:

Fabrication and installation contract - see detailed estimate		\$	55,807.00
Prepare bid package	20 hrs @ \$75/hr	\$	1,500.00
Advertize & procurement	20 hrs @ \$75/hr	\$	1,500.00
Shop drawing review	20 hrs @ \$75/hr	\$	1,500.00
Construction inspection	60 hrs @ \$75/hr	\$	4,500.00
Provisions for volunteer labor Lump sum (Bollard sign removal / plaque installation)		\$	1,500.00

Construction costs = \$ 66,307.00

C. Maintenance/Operation:

Annual cleaning	30 minutes/sign @ \$35/hr.	\$	350.00
Cover prior to snowfall	30 minutes/sign @ \$35/hr.	\$	350.00
Replace 2 maps/year	\$300/map	\$	600.00

Annual maintenance costs = \$ 1,300.00

D. Contractual Services:

Graphics design - digital map files	MLTPA	\$	4,500.00
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**Measure R Spring 2011 Grant Application
 "MLTS Signage and Wayfinding Implementation Phase 3"
 Attachment C: Project Budget/Fabrication and Installation Detail**

Fabrication and Installation Costs

<i>Bid Item No.</i>	<i>Description</i>	<i>Payment Reference</i>	<i>Method of Measure</i>	<i>Unit</i>
1	General Schedule Items - mobilization, traffic control, submittals, documentation, SWPPP compliance.	Special Conditions	LSQ	LS
2	Vibration Analysis including sway and bending with design of stiffeners where necessary for each sign type.		AQ	EA
3	Type 2 sign fabricated and installed with unique messages complete in place.	56	AQ	EA
4	Cross Bar Plaques - 60 ea on FS Type 2's and 18 for the 3 Type 2's on this phase.		AQ	EA
5	Aggregate Base (Class 2) under pavers.	26	DQ	CY
6	Construct paver pad including paver, edge strips, geotextile fabric, sand and incidentals required for a complete installation at each Type 2 Sign for the unit price of:	103	AQ	SF
7	Type 6 sign, double sided, fabricated and installed with unique messages and guide maps combinations complete in place.	103	AQ	EA
8	Type 6a sign fabricated and installed with unique messages, single sided complete in place	104	AQ	EA
9	Type 4/6 sign, double sided, fabricated and installed with unique messages and guide maps combinations complete in place.	56	AQ	EA
10	Contingencies @ 10%		LSQ	LS

Engineering, Bidding, and Project Management Costs

	<i>Description</i>	<i>Unit</i>
1	Prepare Plans and Specs	Hours
2	Prepare Map Digital Files (MLTPA)	Hours
3	Advertise Procurement	Hours
4	Submittal & Shop Drawing Review	Hours
5	Monitor Installation (4 hrs./day for 3 weeks)	Hours

Volunteer Labor Coordination and Supplies

1	Bollard sign removal / plaque installation	
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<i>Qty</i>	<i>Unit Price</i>	<i>Total Amount</i>	<i>Original Estimate</i>	<i>ADCON's Bid Price</i>	<i>Adjustments Price</i>	<i>Delete Adjustable Height Mechanism</i>	<i>Add stiffener to base of posts</i>
1	10%	\$4,612.00					
4	\$1,000.00	\$4,000.00	n/a	n/a	2,000.00	n/a	n/a
2	\$6,223.00	\$12,446.00	6,310.00	5,370.00	853.00	n/a	200.00
96	\$40.00	\$3,840.00					
10	\$140.00	\$1,400.00					
240	\$25.00	\$6,000.00					
1	\$1,544.00	\$1,544.00					
1	\$1,020.00	\$1,020.00					
8	\$1,984.00	\$15,872.00	1,800.00	1,884.00	100.00	(400.00)	100.00
1	\$5,073.00	\$5,073.00	1,801.00	1,885.00	104.00	(399.00)	101.00
Sub-Total =		\$55,807.00					

46,122.00

<i>Qty</i>	<i>Unit Price</i>	<i>Total Amount</i>
20	\$ 75.00	\$ 1,500.00
60	\$ 75.00	\$ 4,500.00
20	\$ 75.00	\$ 1,500.00
20	\$ 75.00	\$ 1,500.00
60	\$ 75.00	\$ 4,500.00
Sub-Total =		\$ 13,500.00

	\$ 1,500.00
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Grand-Total =	\$ 70,807.00
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<i>Add map to back of Type 2</i>	<i>Delete poster board & drip rail from back of Type 2</i>	<i>Enlarge front map on Type 2</i>	<i>Drill holes for plaques in bottom cross bar of Type 2</i>	<i>Add stiffeners behind sign face</i>	<i>Add or delete second side</i>	<i>Add support for multisided Type 6a</i>
n/a	n/a	n/a	n/a	n/a	n/a	n/a
530.00	(120.00)	68.00	75.00	n/a	n/a	n/a
n/a	n/a	n/a	n/a	150.00	250.00	n/a
n/a	n/a	n/a	n/a	151.00	251.00	n/a

Add requirement for 16 GA roofing on Type 2	Add Forest Service Logo to mile posts
n/a	n/a
100.00	n/a
n/a	n/a
n/a	n/a

**Measure R Spring 2011 Grant Application
“MLTS Signage and Wayfinding Implementation Phase 3”**

**Attachment D:
TOML Special-Use Permit**

Authorization ID: **MLD070003R**
Contact ID: **TOWN OF ML,MGR**
Expiration Date: **12/31/2036**
Use Code: **753**

FS-2700-4 (03/06)
OMB 0596-0082

U.S. DEPARTMENT OF AGRICULTURE
Forest Service
SPECIAL USE PERMIT
AUTHORITY:
FEDERAL LAND POLICY AND MGMT ACT, AS AMENDED October 21, 1976

TOWN OF MAMMOTH LAKES, INC., ATTN: TOWN MANAGER, P.O. BOX 1609, MAMMOTH LAKES, CA 93546

(hereinafter called the Holder) is hereby authorized to use or occupy National Forest System lands, to use subject to the conditions set out below, on the Inyo National Forest or Mammoth Lakes Ranger District unit of the National Forest System.

This permit covers .89 acres, and/or 9.5 miles and is described as: T.3S., R.27E., a portion of Sections 26, 35 & 36 and T.4S., R.27E., a portion of Sections 2, 4, 8, 9, 16 and 33 as shown on the location maps attached to and made a part of this permit, and is issued for the purpose of:

Operating and maintaining an approximately 9.5 mile, 12 foot wide public bike trail described as (1) Segments 1, 2 and 3 of the Mammoth Lakes Bike Trail System (~14,900') (2) The Meridian Trail Segment (~900') (3) The Mammoth Creek Park Segment II (~950') (4) The Shady Rest Trail Segment (~3,900') (5) The Visitor Center Segment (~1,320') (6) The Mammoth Creek Park Trail Segment (~100') and (7) The Lake Mary Road Segment (~26,400') as shown on the location maps (Exhibits A - G) attached to and made a part of this permit.

The above described or defined area shall be referred to herein as the "permit area".

TERMS AND CONDITIONS

I. AUTHORITY AND GENERAL TERMS OF THE PERMIT

A. Authority. This permit is issued pursuant to the authorities enumerated at Title 36, Code of Federal Regulations, Section 251 Subpart B, as amended. This permit, and the activities or use authorized, shall be subject to the terms and conditions of the Secretary's regulations and any subsequent amendment to them.

B. Authorized Officer. The authorized officer is the Forest Supervisor or a delegated subordinate officer.

C. License. This permit is a license for the use of federally owned land and does not grant any permanent, possessory interest in real property, nor shall this permit constitute a contract for purposes of the Contract Disputes Act of 1978 (41 U.S.C. 611). Loss of the privileges granted by this permit by revocation, termination, or suspension is not compensable to the holder.

D. Amendment. This permit may be amended in whole or in part by the Forest Service when, at the discretion of the authorized officer, such action is deemed necessary or desirable to incorporate new terms, conditions, and stipulations as may be required by law, regulation, land management plans, or other management decisions.

E. Existing Rights. This permit is subject to all valid rights and claims of third parties. The United States is not liable to the holder for the exercise of any such right or claim.

F. Nonexclusive Use and Public Access. Unless expressly provided for in additional terms, use of the permit area is not exclusive. The Forest Service reserves the right to use or allow others to use any part of the permit area, including roads, for any purpose, provided, such use does not materially interfere with the holder's authorized use. A final determination of conflicting uses is reserved to the Forest Service.

G. Forest Service Right of Entry and Inspection. The Forest Service has the right of unrestricted access of the permitted area or facility to ensure compliance with laws, regulations, and ordinances and the terms and conditions of this permit.

H. Assignability. This permit is not assignable or transferable. If the holder through death, voluntary sale or transfer, enforcement of contract, foreclosure, or other valid legal proceeding ceases to be the owner of the improvements, this permit shall terminate.

I. Permit Limitations. Nothing in this permit allows or implies permission to build or maintain any structure or facility, or to conduct any activity unless specifically provided for in this permit. Any use not specifically identified in this permit must be approved by the authorized officer in the form of a new permit or permit amendment.

II. TENURE AND ISSUANCE OF A NEW PERMIT

A. Expiration at the End of the Authorized Period. This permit will expire at midnight on **12/31/2036**. Expiration shall occur by operation of law and shall not require notice, any decision document, or any environmental analysis or other documentation.

B. Minimum Use or Occupancy of the Permit Area. Use or occupancy of the permit area shall be exercised at least 120 days each year, unless otherwise authorized in writing under additional terms of this permit.

C. Notification to Authorized Officer. If the holder desires issuance of a new permit after expiration, the holder shall notify the authorized officer in writing not less than six (6) months prior to the expiration date of this permit.

D. Conditions for Issuance of a New Permit. At the expiration or termination of an existing permit, a new permit may be issued to the holder of the previous permit or to a new holder subject to the following conditions:

1. The authorized use is compatible with the land use allocation in the Forest Land and Resource Management Plan.
2. The permit area is being used for the purposes previously authorized.
3. The permit area is being operated and maintained in accordance with the provisions of the permit.
4. The holder has shown previous good faith compliance with the terms and conditions of all prior or other existing permits, and has not engaged in any activity or transaction contrary to Federal contracts, permits laws, or regulations.

E. Discretion of Forest Service. Notwithstanding any provisions of any prior or other permit, the authorized officer may prescribe new terms, conditions, and stipulations when a new permit is issued. The decision whether to issue a new permit to a holder or successor in interest is at the absolute discretion of the Forest Service.

F. Construction. Any construction authorized by this permit may commence by **July 1st, 2007** and shall be completed by **December 31, 2009**. If construction is not completed within the prescribed time, this permit may be revoked or suspended.

III. RESPONSIBILITIES OF THE HOLDER

A. Compliance with Laws, Regulations, and other Legal Requirements. The holder shall comply with all applicable Federal, State, and local laws, regulations, and standards, including but not limited to, the Federal Water Pollution Control Act, 33 U.S.C. 1251 *et seq.*, the Resource Conservation and Recovery Act, 42 U.S.C. 6901 *et seq.*, the Comprehensive Environmental Response, Compensation, and Liability Act, 42 U.S.C. 9601 *et seq.*, and other relevant environmental laws, as well as public health and safety laws and other laws relating to the siting, construction, operation, and maintenance of any facility, improvement, or equipment on the property.

B. Plans. Plans for development, layout, construction, reconstruction, or alteration of improvements on the permit area, as well as revisions of such plans, must be prepared by a qualified individual acceptable to the authorized officer and shall be approved in writing prior to commencement of work. The holder may be required to furnish as-built plans, maps, or surveys, or other similar information, upon completion of construction.

C. Maintenance. The holder shall maintain the improvements and permit area to standards of repair, orderliness, neatness, sanitation, and safety acceptable to the authorized officer and consistent with other provisions of this authorization. If requested, the holder shall comply with inspection requirements deemed appropriate by the authorized officer.

D. Hazard Analysis. The holder has a continuing responsibility to identify all hazardous conditions on the permit area which would affect the improvements, resources, or pose a risk of injury to individuals. Any non-emergency actions to abate such hazards shall be performed after consultation with the authorized officer. In emergency situations, the holder shall notify the authorized officer of its actions as soon as possible, but not more than 48 hours, after such actions have been taken.

E. Change of Address. The holder shall immediately notify the authorized officer of a change in address.

F. Change in Ownership. This permit is not assignable and terminates upon change of ownership of the improvements or control of the business entity. The holder shall immediately notify the authorized officer when a change in ownership or control of business entity is pending. Notification by the present holder and potential owner shall be executed using Form SF-299 Application for Transportation and Utility Systems and Facilities of Federal Lands, or Form FS-2700-3a, Holder Initiated Revocation of Existing Authorization, Request for a Special Use Permit. Upon receipt of the proper documentation, the authorized officer may issue a permit to the party who acquires ownership of, or a controlling interest in, the improvements or business entity.

IV. LIABILITY

For purposes of this section, "holder" includes the holder's heirs, assigns, agents, employees, and contractors.

A. The holder assumes all risk of loss to the authorized improvements.

B. The holder shall indemnify, defend, and hold the United States harmless for any violations incurred under any such laws and regulations or for judgments, claims, or demands assessed against the United States in connection with the holder's use or occupancy of the property. The holder's indemnification of the United States shall include any loss by personal injury, loss of life or damage to property in connection with the occupancy or use of the property during the term of this permit. Indemnification shall include, but is not limited to, the value of resources damaged or destroyed; the costs of restoration, cleanup, or other mitigation; fire suppression or other types of abatement costs; third party claims and judgments; and all administrative, interest, and other legal costs. This paragraph shall survive the termination or revocation of this authorization, regardless of cause.

C. The holder has an affirmative duty to protect from damage the land, property, and interests of the United States.

The holder shall maintain **\$1,000,000.00** worth of insurance coverage, naming the United States additionally insured on the policy(ies), to partially fund the indemnification obligations of the holder for any and all losses due to personal injury, loss of life, or property damage, including fire suppression and hazardous waste costs. The holder shall furnish proof of insurance (such as a surety bond, or certificate of insurance) to the authorized officer prior to execution of this permit and verify annually, and in writing, the insurance obligation to the authorized officer. The authorized officer may allow the holder to replace, repair, restore, or otherwise undertake necessary curative actions, to the satisfaction of the authorized officer, in order to mitigate damages in addition to or as an alternative to monetary indemnification.

D. In the event of any breach of the conditions of this authorization by the holder, the authorized officer may, on reasonable notice, cure the breach for the account at the expense of the holder. If the Forest Service at any time pays any sum of money or does any act which will require payment of money, or incurs any expense, including reasonable attorney's fees, in instituting, prosecuting, and/or defending any action or proceeding to enforce the United States rights hereunder, the sum or sums so paid by the United States, with all interests, costs and damages shall, at the election of the Forest Service, be deemed to be additional fees hereunder and shall be due from the holder to the Forest Service on the first day of the month following such election.

E. With respect to roads, the holder shall be proportionally liable for damages to all roads and trails of the United States open to public use caused by the holder's use to the same extent as provided above, except that liability shall not include reasonable and ordinary wear and tear.

F. The Forest Service has no duty to inspect the permit area or to warn of hazards and, if the Forest Service does inspect the permit area, it shall incur no additional duty nor liability for identified or non-identified hazards. This covenant may be enforced by the United States in a court of competent jurisdiction.

V. TERMINATION, REVOCATION, AND SUSPENSION

A. General. For purposes of this permit, "termination", "revocation", and "suspension" refer to the cessation of uses and privileges under the permit.

"Termination" refers to the cessation of the permit under its own terms without the necessity for any decision or action by the authorized officer. Termination occurs automatically when, by the terms of the permit, a fixed or agreed upon condition, event, or time occurs. For example, the permit terminates at expiration. Terminations are not appealable.

"Revocation" refers to an action by the authorized officer to end the permit because of noncompliance with any of the prescribed terms, or for reasons in the public interest. Revocations are appealable.

"Suspension" refers to a revocation which is temporary and the privileges may be restored upon the occurrence of prescribed actions or conditions. Suspensions are appealable.

B. Revocation or Suspension. The Forest Service may suspend or revoke this permit in whole or part for:

1. Noncompliance with Federal, State, or local laws and regulations.
2. Noncompliance with the terms and conditions of this permit.
3. Reasons in the public interest.
4. Abandonment or other failure of the holder to otherwise exercise the privileges granted.

C. Opportunity to Take Corrective Action. Prior to revocation or suspension for cause pursuant to Section V (B), the authorized officer shall give the holder written notice of the grounds for each action and a reasonable time, not to exceed 90 days, to complete the corrective action prescribed by the authorized officer.

D. Removal of Improvements. Prior to abandonment of the improvements or within a reasonable time following revocation or termination of this authorization, the holder shall prepare, for approval by the authorized officer, an abandonment plan for the permit area. The abandonment plan shall address removal of improvements and restoration of the permit area and prescribed time frames for these actions. If the holder fails to remove the improvements or restore the site within the prescribed time period, they become the property of the United States and may be sold, destroyed or otherwise disposed of without any liability to the United States. However, the holder shall remain liable for all cost associated with their removal, including costs of sale and impoundment, cleanup, and restoration of the site.

VI. FEES

A. Termination for Nonpayment. This permit shall automatically terminate without the necessity of prior notice when land use rental fees are 90 calendar days from the due date in arrears.

B. **Fees for this use have been exempted or waived in full pursuant to 36 CFR 251.57, or revisions thereto, and direction in FSH 2709.11, chapter 30.**

C. Payment Due Date. The payment due date shall be the close of business on N/A of each calendar year payment is due. Payments in the form of a check, draft, or money order are payable to USDA, Forest Service. Payments shall be credited on the date received by the designated Forest Service collection officer or deposit location. If the due date for the fee or fee calculation statement falls on a non-workday, the charges shall not apply until the close of business on the next workday.

D. Late Payment Interest, Administrative Costs and Penalties Pursuant to 31 U.S.C. 3717, et seq., interest shall be charged on any fee amount not paid within 30 days from the date the fee or fee calculation financial statement specified in this authorization becomes due. The rate of interest assessed shall be the higher of the rate of the current value of funds to the U.S. Treasury (i.e., Treasury tax and loan account rate), as prescribed and published by the Secretary of the Treasury in the Federal Register and the Treasury Fiscal Requirements Manual Bulletins annually or quarterly or at the Prompt Payment Act rate. Interest on the principal shall accrue from the date the fee or fee calculation financial statement is due.

In the event the account becomes delinquent, administrative costs to cover processing and handling of the delinquency will be assessed.

A penalty of 6 percent per annum shall be assessed on the total amount delinquent in excess of 90 days and shall accrue from the same date on which interest charges begin to accrue.

Payments will be credited on the date received by the designated collection officer or deposit location. If the due date for the fee or fee calculation statement falls on a non-workday, the charges shall not apply until the close of business on the next workday.

Disputed fees are due and payable by the due date. No appeal of fees will be considered by the Forest Service without full payment of the disputed amount. Adjustments, if necessary, will be made in accordance with settlement terms or the appeal decision.

If the fees become delinquent, the Forest Service will:

Liquidate any security or collateral provided by the authorization.

If no security or collateral is provided, the authorization will terminate and the holder will be responsible for delinquent fees as well as any other costs of restoring the site to its original condition including hazardous waste cleanup.

Upon termination or revocation of the authorization, delinquent fees and other charges associated with the authorization will be subject to all rights and remedies afforded the United States pursuant to 31 U.S.C. 3711 *et seq.* Delinquencies may be subject to any or all of the following conditions:

Administrative offset of payments due the holder from the Forest Service.

Delinquencies in excess of 60 days shall be referred to United States Department of Treasury for appropriate collection action as provided by 31 U.S.C. 3711 (g), (1).

The Secretary of the Treasury may offset an amount due the debtor for any delinquency as provided by 31 U.S.C. 3720, *et seq.*)

VII. OTHER PROVISIONS

A. Members of Congress. No Member of or Delegate to Congress or Resident Commissioner shall benefit from this permit either directly or indirectly, except when the authorized use provides a general benefit to a corporation.

B. Appeals and Remedies. Any discretionary decisions or determinations by the authorized officer are subject to the appeal regulations at 36 CFR 251, Subpart C, or revisions thereto.

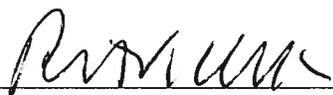
C. Superior Clauses. In the event of any conflict between any of the preceding printed clauses or any provision thereof and any of the following clauses or any provision thereof, the preceding printed clauses shall control.

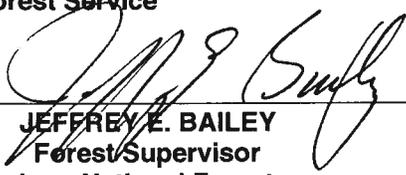
D. Superseded Authorization (X18). This authorization supersedes a special-use authorization designated: MLD100217R, Town of Mammoth Lakes, issued 04/01/02.

This permit is accepted subject to the conditions set out above.

HOLDER NAME:

U.S. DEPARTMENT OF AGRICULTURE
Forest Service

By: 
ROB CLARK
Town Manager
Town of Mammoth Lakes

By: 
JEFFREY E. BAILEY
Forest Supervisor
Inyo National Forest

Date: 3/28/07

Date: 4/2/07

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0596-0082. The time required to complete this information collection is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD). To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, 1400 Independence Avenue, SW, Washington, DC 20250-9410 or call (800) 975-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer. The Privacy Act of 1974 (5 U.S.C. 552a) and the Freedom of Information Act (5 U.S.C. 552) govern the confidentiality to be provided for information received by the Forest Service.

**Measure R Spring 2011 Grant Application
 "MLTS Signage and Wayfinding Implementation Phase 3"
 Attachment E: Project Timeline**

A. Development/Design

Concept Development	Completed for previous phase	N/A
Sign Messaging	Completed for previous phase	N/A
Design Drawings	Completed for previous phase	N/A
Specifications	Completed for previous phase	N/A

B. Implementation/Construction

Town Council awards grant funding	June 15, 2011
Prepare bid package (2 weeks)	June 29, 2011
Advertise and receive bids (3 weeks)	July 20, 2011
Town Council awards construction contract	August 3, 2011
Bollard sign removal/Type 2 plaque installation	August–September 2011
Shop-drawing preparation and review (6 weeks)	September 14, 2011
Fabrication of signs and printing of maps (4 weeks)	October 8, 2011
Installation (3 weeks)	October 29, 2011

C. Maintenance/Operation

Annual cleaning	1-1/2 work days	Spring
Cover prior to snowfall	1-1/2 work days	Fall
Replace 2 maps/year	3 weeks to process	Winter

D. Contractual Services

Graphics design: prepare digital map files (3 weeks)	July 15, 2011
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Measure R Spring 2011 Grant Application
“MLTS Signage and Wayfinding Implementation Phase 3”

Attachment F: Project Impact

Fabrication and installation of new signage, enhancement of existing and new signage, and rehabilitation of existing bollards will have a very positive impact on users of the MLTS. All three of these tasks will make it significantly easier for the trail user to navigate the system and reach their desired destination(s) with little to no trouble while making the experience of traveling to these endpoints reassuring and aesthetically enjoyable. Signage will be made clear, consistent, and complete. The level of service to the user will be greatly increased, whereby de-prioritization of these projects would negatively affect residents' and guests' ability to utilize the MLTS signage and wayfinding system and to access the many recreation experiences available to them via the system.

Attachment G: Community Benefits

1. Fabrication and installation of new MLTS signage: To best deliver on the community’s vision of a connected, efficient, and fully functional four-season system of trails and outdoor-recreation amenities as repeatedly cited in the TOML General Plan and in the soon-to-be-adopted Draft Trail System Master Plan 2009, each stage in the implementation of the Mammoth Lakes Trail System must be carefully considered and executed. Delivery of Phase 3 of the MLTS signage and wayfinding program is essential in providing the community with a complete, logical navigation experience that will lead residents and visitors to familiar destinations as well as to new recreation opportunities of which they may not have been aware without the guidance of this new signage. Consistent messaging also will lead users to critical service facilities, such as restrooms and information kiosks, which can be especially beneficial to families recreating with small children. The ability to travel the entire length of the Town Loop with no interruption in the messaging that delivers critical directions to desired recreation experiences will benefit the community by fulfilling their expectation of signage that directs, reassures, and rewards. The availability and application of a signage program that is congruent and unified impresses upon the user that the experiences he sets out to have are well-marked, known, and part of a larger, planned system—no matter where in the region he happens to be, no matter whose land the trail falls on or crosses. The user, whether a resident or a guest, will finally have a reliable expectation that, whichever path or trail he chooses to follow, he will not get lost, will be informed of options and connections at trail junctions, and will be able to select an experience that is appropriate for his desired activity, ability level, age, and the makeup of his party (i.e., a single user versus a family with small children). Conversely, if the signage set identified in this Measure R application is not funded, the community will lose trust in the MLTS partners’ ability to correctly and completely upgrade the signage through the program they helped to create (especially through the work of the Mammoth Trails Map, Signage & Wayfinding Committee), and their expectation of residents and visitors having what has become the typical experience—becoming disoriented on the system—will increase.

2. Enhancement of Type 2 MLTS signs with cross-bar plaques: Mounting of these plaques on existing trailhead signs and on those signs slated for installation this summer and fall will benefit the community by presenting to them a finished product that meets the promises made by the partners through their work on Chapter 5 of the Draft Trail System Master Plan 2009. The plaques themselves, offering a variety of supplemental information including trail etiquette, funding, and jurisdictional management, benefit the community by enhancing their knowledge of how the MLTS functions and how they may best engage with it.

3. Removal of oval plaques on existing MLTS bollards: Removal of the oval plaques currently gracing previous-phase bollards will directly benefit the community by obviating the chance that a user will be confused when encountering potentially contradictory (and certainly incongruous) messaging. The Town Loop, for example, includes and subsumes sections of paved trail currently labeled as “Main Path”; to allow

Measure R Spring 2011 Grant Application
“MLTS Signage and Wayfinding Implementation Phase 3”

the older moniker to remain would likely have the user questioning whether he has veered off onto another path or system, as these older bollards are sprinkled throughout the routes on which Phase 2 and Phase 3 signage is being placed this summer and fall.

Additionally, this task is envisioned as being completed with the help of community volunteers during two events that are part of the Mammoth Lakes Summer of Stewardship Trail Days program, now entering its third year. The community benefits from the opportunity to engage in volunteer trail stewardship and improvement due to the emotional connection forged during such an experience; volunteers feel invested in and connected to the project and typically spread the word about their work to others. The community will take pride in helping to better such a beloved recreation resource and in knowing that their participation ensured that the task was completed more quickly and at less cost to the public.

Measure R Spring 2011 Grant Application
“MLTS Signage and Wayfinding Implementation Phase 3”

Attachment H: Economic Benefits

The economic benefits that will be derived from the funding and completion of this project are many and build upon the benefits the Mammoth Lakes community is already receiving through the continued implementation of the Mammoth Lakes Trail System. Outdoor recreation drives every part of our tourism-based economy, attracting millions of visitors each year who generate income for the TOML through transient occupancy tax and revenue for a variety of local businesses through retail sales, lodging, and dining (as well as contributing a direct reinvestment into recreation through Measure R). Enhancing the user recreation experience with a complete, logical, and consistent system of signage and wayfinding will make the MLTS more attractive to current and potential users, which will result in an upswing in tourism. A well-planned wayfinding and signage system reassures the user that he will remain on his chosen path and within his appropriate ability range so that he can pursue his desired activities with confidence, and a worry-free experience on the system means positive word-of-mouth marketing and repeat visits. Visitors to the MLTS will not only enjoy the recreation experiences they have planned in advance, but they also will be exposed to and inspired by other adventures highlighted on this signage that they will return to engage in. Additionally, implementation of Phase 3 signage will allow for focused marketing efforts that can invite returning and future guests to enjoy brand-new, complete experiences unlike any other in the Eastern Sierra: the Lakes Basin Path, the Town Loop, and the many recreation opportunities to which they will effortlessly direct trail users. Finally, the leverage of volunteer labor in the removal of the oval bollard plaques will reduce the costs associated with that task while increasing the community's investment in the system—which itself can drive the same kind of positive word-of-mouth marketing that brings more visitors to Mammoth Lakes.

**Measure R Spring 2011 Grant Application
“MLTS Signage and Wayfinding Implementation Phase 3”**

**Exhibit A
Design Concept**

Mammoth Lakes Trail System Wayfinding and Signage

Exhibit A

(Edited for a Measure R grant application)

Design Intent Drawings for Trail & Node Signage

April 14, 2011

Sheet Description	Sheet Number
Graphics Standards	1
Sign Type Array	2
Beam Assembly Detail	3
Sign Type 2	4-5
Sign Type 6	6
Sign Type 4/6	7
Sign Type 6a	8
Sign Type 6	9
Sign Type 1	10
Sign Type 3	11
Sign Type 5	12

The Town of Mammoth Lakes

California

Prepared by

corbindesign

109 East Front 304
Traverse City, MI 49684
231 947.1236

All ideas, designs, arrangements and plans indicated or represented by these drawings are owned by, and property of the The Town of Mammoth Lakes, CA and The United Stated Forest Service and were created, evolved and developed for use on and in connection with the specified project. None of such ideas, designs, arrangements or plans shall be used by or disclosed to any person, firm or corporation for any purpose whatsoever without the written permission of The United Stated Forest Service and The Town of Mammoth Lakes, CA.

These drawings are considered design-intent and are not for construction. Written dimensions on these drawings have precedence over scaled dimensions. The further development and engineering of the design-intent drawings is expected to be shown in the Fabricator's submitted shop drawings. Contractors shall verify and be responsible for all dimensions and conditions on the job. Corbin Design should be notified of any variations from the dimensions and conditions shown by these drawings prior to the execution of any work, including changes to graphic designs or typography.

COLOR PALETTE

Fabricator is responsible for supplying samples for all colors within the palette.

	01 Gold	02 Mammoth Lakes Trail System	04 White	05 Brown	07 Red	08 Yellow	09 Black	10 Orange
Pantone Matching System:	---	---	---	---	---	---	---	---
Matthews Paint:	MP06916	MP00811	MP11477	MP00857	---	---	---	---
High Performance opaque vinyl:	---	---	3M White 7125-10	---	---	3M Sunflower 7725-25	3M Black 7725-12	3M Bright Orange 7725-14
Engineer grade reflective sheeting:	---	---	White 3290	---	3M Red 3272	3M Yellow 3271	---	---

Steel Specifications

Fabricator is responsible for supplying samples for all colors within the palette.

	Steel Type:	Corten Structural Steel	Steel Supplier: IMS Industrial Metal Supply Company 8300 San Fernando Rd. Sun Valley, CA 91352 Phone: 818-729-3333 Fax: 818-729-3334 Email: www.imsmetals.com Contact: Neil Sherman
	Surface Treatment:	Lightly wire brush to remove scale. Clean with acetone to remove construction markings.	
	Finish:	Natural, wiped with light coat of oil	
	Fasteners:	Steel with blackened finish	

ARROWS

Designer will provide scalable electronic artwork in vector art (outlined) format.



TYPOGRAPHY (Editable)

Fabricator is responsible for acquiring all project related fonts.

Century Gothic Bold Aa Bb Cc Dd Ee Ff Gg Hh Ii Jj Kk Ll Mm Nn Oo Pp Qq Rr Ss Tt Uu Vv Ww Xx Yy Zz 1 2 3 4 5 6 7 8 9 0	Century Gothic Regular Aa Bb Cc Dd Ee Ff Gg Hh Ii Jj Kk Ll Mm Nn Oo Pp Qq Rr Ss Tt Uu Vv Ww Xx Yy Zz 1 2 3 4 5 6 7 8 9 0	Clearview Highway 1B Aa Bb Cc Dd Ee Ff Gg Hh Ii Jj Kk Ll Mm Nn Oo Pp Qq Rr Ss Tt Uu Vv Ww Xx Yy Zz 1 2 3 4 5 6 7 8 9 0
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SYMBOLS

Designer will provide scalable electronic artwork for all symbols in a vector art (outlined) format.



LOGOS

Town of Mammoth Lakes to provide scalable electronic artwork for all logos in a vector art (outlined) format. Additional logos may be added during shop drawing review.



Fabricator is responsible for matching all colors and materials as specified and are required to provide color and material samples to Corbin for approval.

CAUTION! CONSISTENT AND ACCURATE COLOR REPRODUCTION IN THIS DOCUMENT CANNOT BE ASSURED DUE TO THE LIMITATIONS OF COLOR COPYING TECHNOLOGY.

The Coated Pantone Matching System®, Matthews and/or Akzo Nobel Paint system is used for specifying signage color matches. (In the absence of actual sign material color chip reference sets, actual specified product color swatches should be referenced for color matching.)

Shown here are approximations of the primary signage background colors and supporting accent colors. Actual color finishes on signage must be matte or low luster (not shiny or glossy) and exclusively a premium acrylic polyurethane.

Signage paints produced by MPC Matthews Paint and Akzo Nobel Paint Company are to be the standard reference.

Vinyl Films from 3M and Avery Graphics are to be the standard.

Color application varies per sign type. Refer to drawings for appropriate application.

NOTE: See message schedule document for actual sign messages.

Sign Type

Graphic Standards

Scale

n.t.s.

Color Code

- 01 Gold
- 02 Mammoth Lakes Trail System
- 04 White
- 05 Brown
- 06 Steel Finish
- 07 Red
- 08 Yellow
- 09 Black
- 10 Orange

Notes

This drawing is design-intent only. Fabricator is responsible for engineering, fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by The United States Forest Service and the Town of Mammoth Lakes, California.

Date Description

01.30.09	Design Intent
02.09.10	Revision
02.17.10	Revision
02.22.10	Revision
02.25.10	Revision
02.11.11	Revision

Client

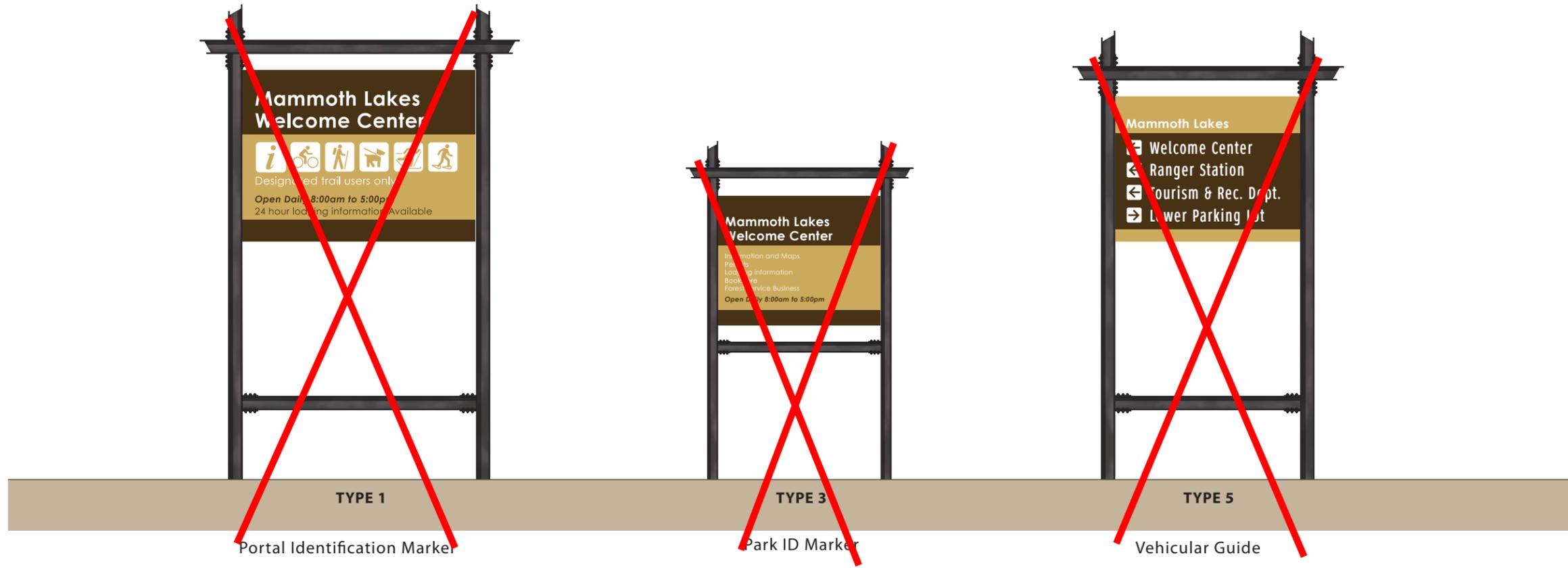
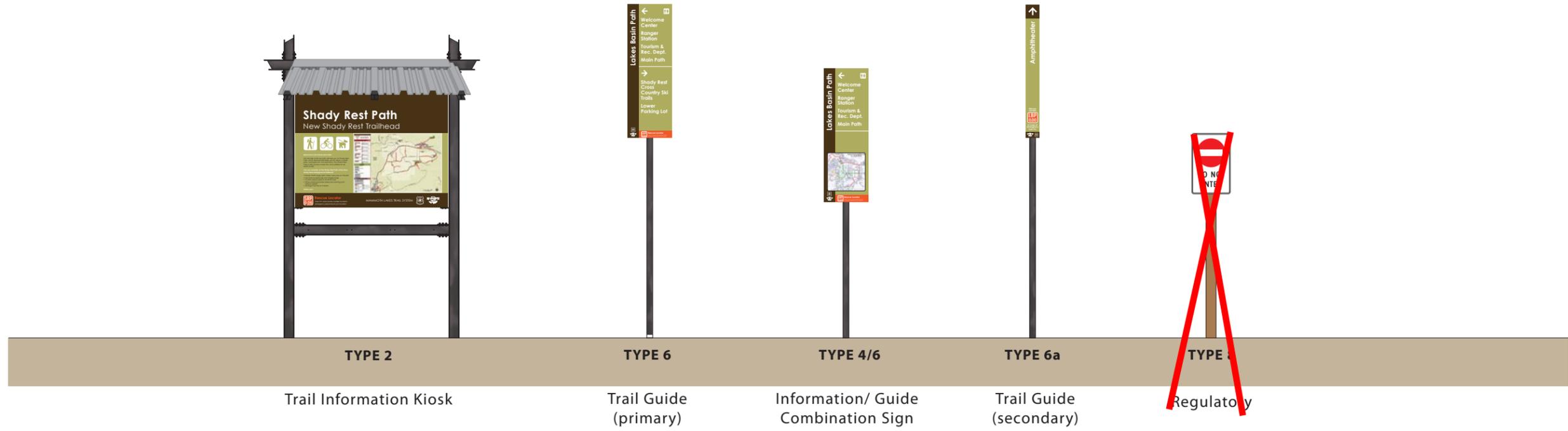
The Town of Mammoth Lakes

California

corbindesign

109 East Front Suite 304
Traverse City, MI 49684

231 947.1236



Sign Type

Sign Type Array

Scale

n.t.s.

Color Code

- 01 Gold
- 02 Mammoth Lakes Trail System
- 04 White
- 05 Brown
- 06 Steel Finish
- 07 Red
- 08 Yellow
- 09 Black
- 10 Orange

Notes

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Date	Description
01.30.09	Design Intent
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Client

The Town of Mammoth Lakes
California



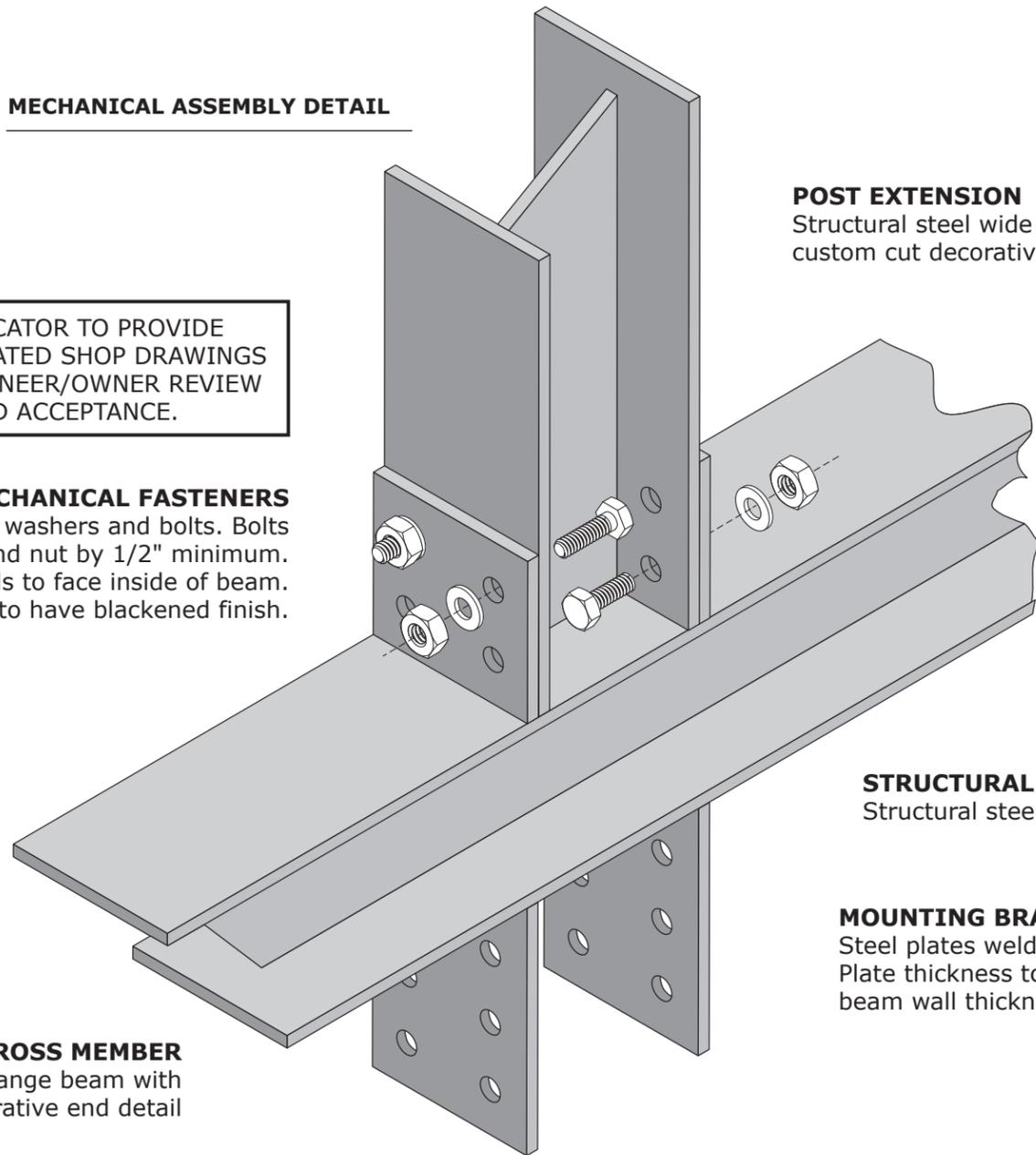
109 East Front Suite 304
Traverse City, MI 49684
231 947.1236

MECHANICAL ASSEMBLY DETAIL

FABRICATOR TO PROVIDE COORDINATED SHOP DRAWINGS FOR ENGINEER/OWNER REVIEW AND ACCEPTANCE.

MECHANICAL FASTENERS
1/2" steel nuts, washers and bolts. Bolts to extend beyond nut by 1/2" minimum. All bolt heads to face inside of beam. All fasteners to have blackened finish.

UPPER CROSS MEMBER
Structural steel wide flange beam with custom cut decorative end detail



POST EXTENSION
Structural steel wide flange beam with custom cut decorative end detail

STRUCTURAL BEAMS
Structural steel wide flange beam.

MOUNTING BRACKET
Steel plates welded to beam. Plate thickness to match steel beam wall thickness.

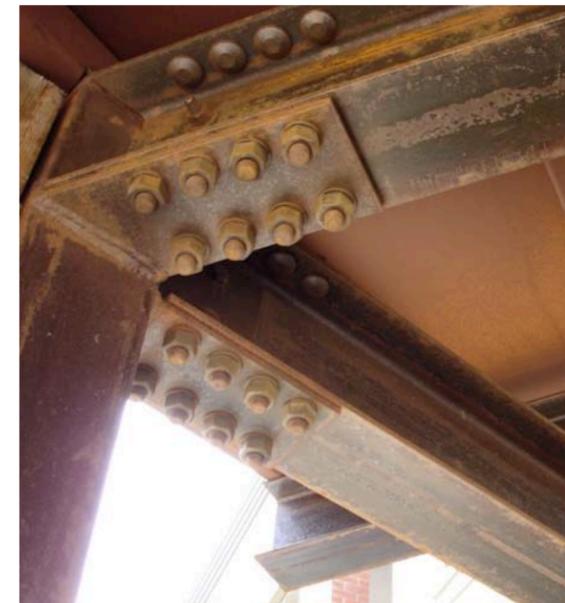
FABRICATION NOTE

Partially welded bracket assemblies are acceptable. Brackets may be welded directly to beams and nuts/bolts applied to match design intent.

Concept design inspiration



Concept design inspiration



Sign Type

Post and Beam Assembly Details

Scale

n.t.s.

Color Code

- 01 Gold
- 02 Mammoth Lakes Trail System
- 04 White
- 05 Brown
- 06 Steel Finish
- 07 Red
- 08 Yellow
- 09 Black
- 10 Orange

Notes

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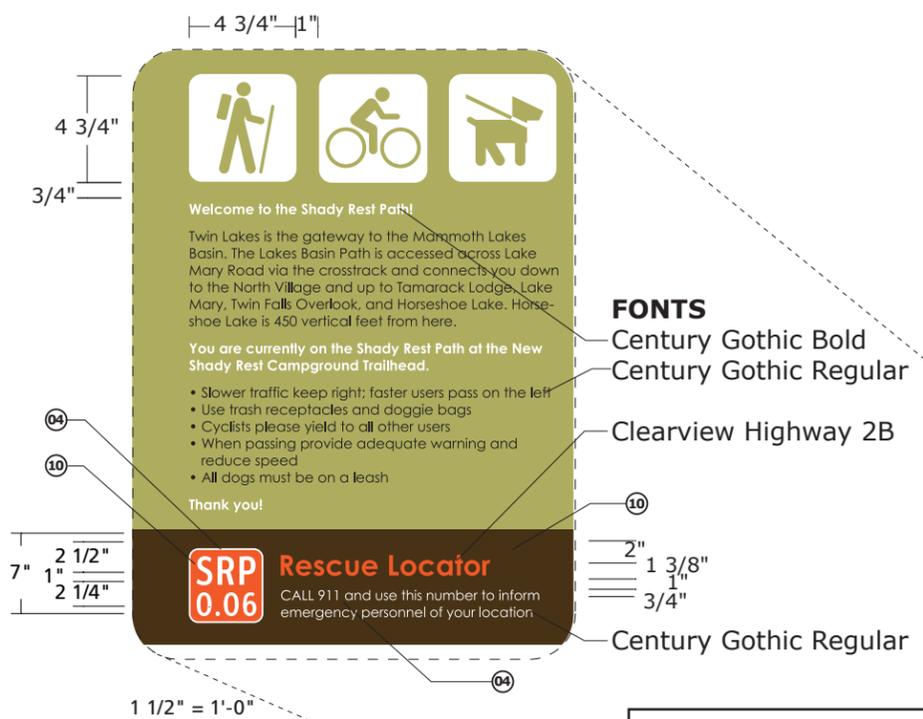
Client

Town of Mammoth Lakes
California



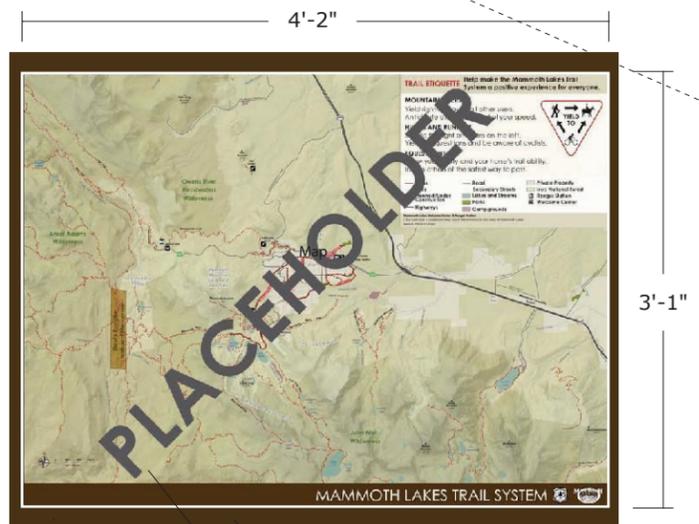
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Traverse City, MI 49684
231 947.1236



FONTS
 Century Gothic Bold
 Century Gothic Regular
 Clearview Highway 2B
 Century Gothic Regular

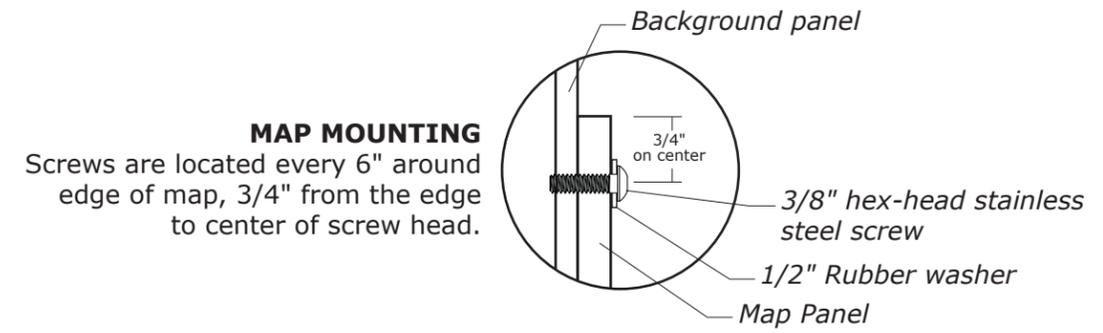
EXPLODED VIEW
 See Type 2 Exploded View Sheet



MAP PANEL
 37" x 50" changeable map panel.

Side View

Back View



Shady Rest Path
 New Shady Rest Trailhead



PRE-DRILLED HOLES
 1/4" diameter holes drilled along the center of cross member

FINISH AND GRAPHICS
 Matthews acrylic polyurethane painted background, edges and back. Surface masked and sprayed text and graphics. Satin clear coat to be applied over background, text and graphics.

FONTS
 Century Gothic Bold, 3" cap
 Century Gothic Regular, 1 7/8"

MAP PANEL GRAPHIC PROCESS
 20" x 30" fiberglass panel with embedded ink-jet graphics. Printed at 600dpi using exterior UV inhibiting inks. Manufacturer: Pannier www.panniergraphics.com or approved alternate. Mounted with mechanical fasteners.

Sign Type

TYPE 2 Elevation
 Trail Information Kiosk

Scale

3/4" = 1'-0"
 (on an 11 x 17 sheet)

Color Code

- 01 Gold
- 02 Mammoth Lakes Trail System
- 04 White
- 05 Brown
- 06 Steel Finish
- 07 Red
- 08 Yellow
- 09 Black
- 10 Orange

Notes

4" x 4" steel beam construction
 3" x 3" steel beam canopy supports

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Date Description

Date	Description
01.30.09	Design Intent
02.09.10	Revision
02.17.10	Revision
02.19.10	Revision
02.25.10	Revision
02.11.11	Revision

Client

The Town of Mammoth Lakes
 California



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TYPE 2 Exploded View

Trail Information Kiosk

Scale

3/4" = 1'-0"
(on an 11 x 17 sheet)

Color Code

- 01 Gold
- 02 Mammoth Lakes Trail System
- 04 White
- 05 Brown
- 06 Steel Finish
- 07 Red
- 08 Yellow
- 09 Black
- 10 Orange

Notes

4" x 4" steel beam construction
3" x 3" steel beam canopy supports

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02.11.11	Revision

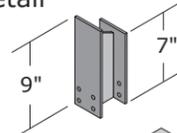
Client

The Town of Mammoth Lakes

California

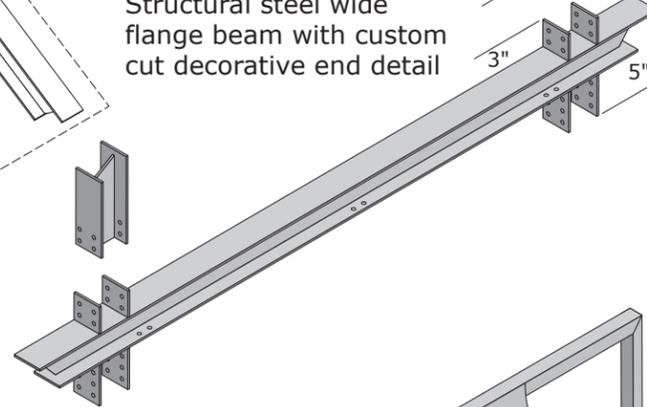
POST EXTENSION

Structural steel wide flange beam with custom cut decorative end detail



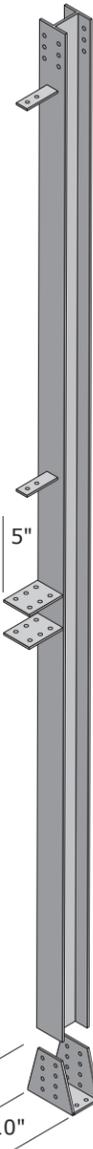
UPPER CROSS MEMBER

Structural steel wide flange beam with custom cut decorative end detail



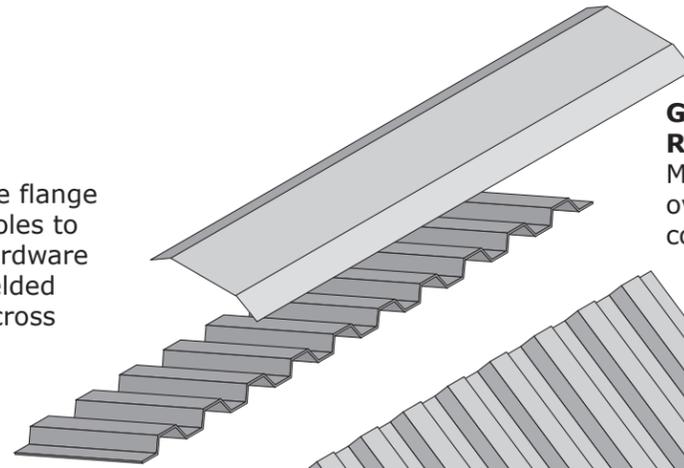
VERTICAL POST

Structural steel wide flange beam with drilled holes to accept mounting hardware for sign cabinet. Welded brackets to accept cross members.



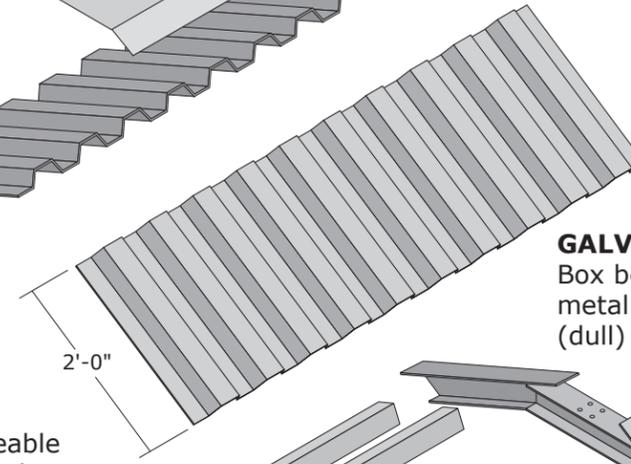
GALVANIZED ROOF CAP

Metal roof cap installed over top beam. Finish/color to be determined.



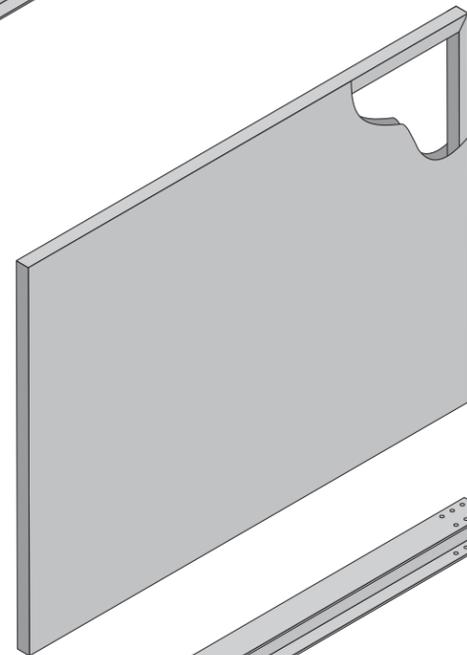
GALVANIZED ROOF

Box beam corrugated metal roofing with mill (dull) finish



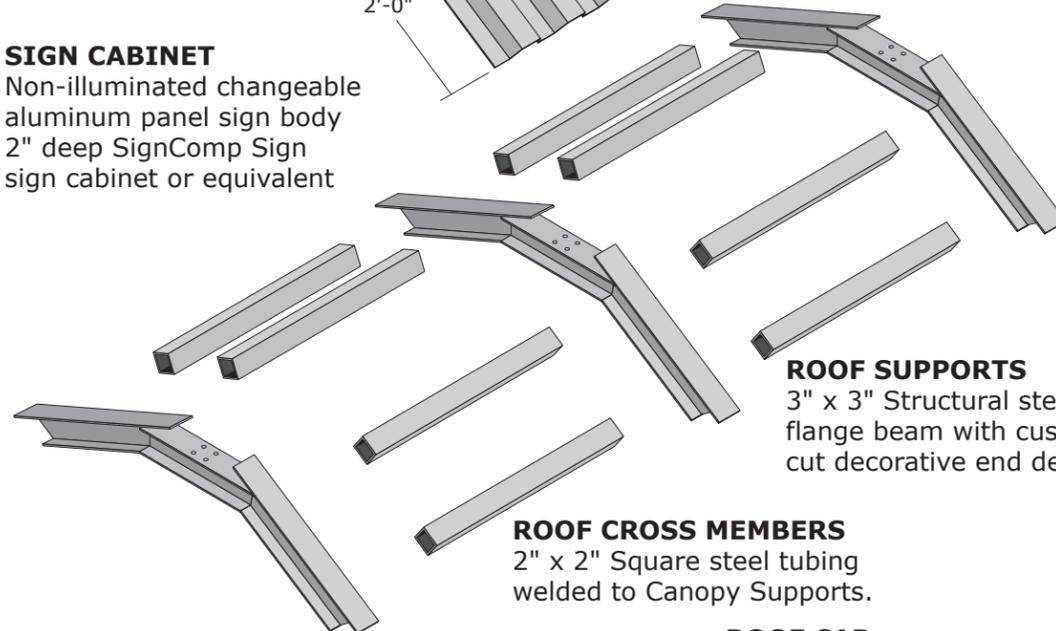
SIGN CABINET

Non-illuminated changeable aluminum panel sign body 2" deep SignComp Sign sign cabinet or equivalent



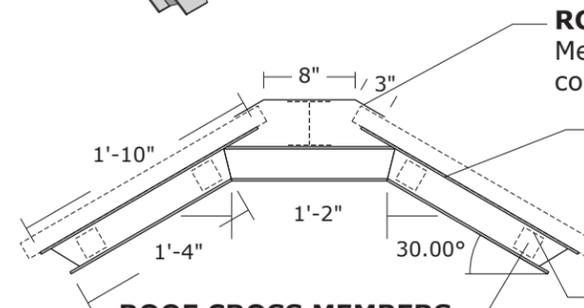
ROOF SUPPORTS

3" x 3" Structural steel wide flange beam with custom cut decorative end detail



ROOF CROSS MEMBERS

2" x 2" Square steel tubing welded to Canopy Supports.



ROOF CAP

Metal roof cap fastened above corrugated roof

ROOF SUPPORTS

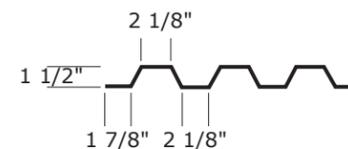
3" x 3" Structural steel wide flange beam with custom cut decorative end detail

ROOF MOUNTING POINTS

Mechanical spacers to support corrugated metal roof

ROOF CROSS MEMBERS

2" x 2" Square steel tubing welded to Canopy Supports.



GALVANIZED STEEL ROOF

Box beam corrugated metal roofing with mill (dull) finish 16 gauge minimum

MOUNTING BRACKET

1/4" thick plate steel tabs

4" above grade

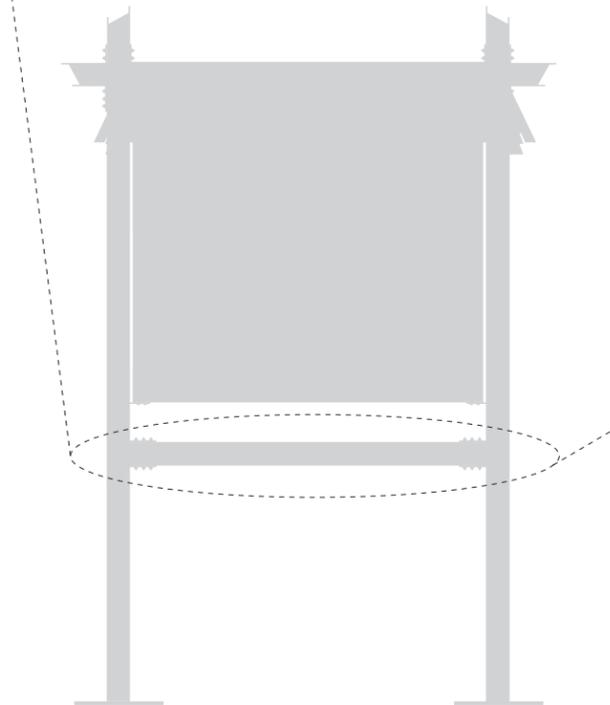
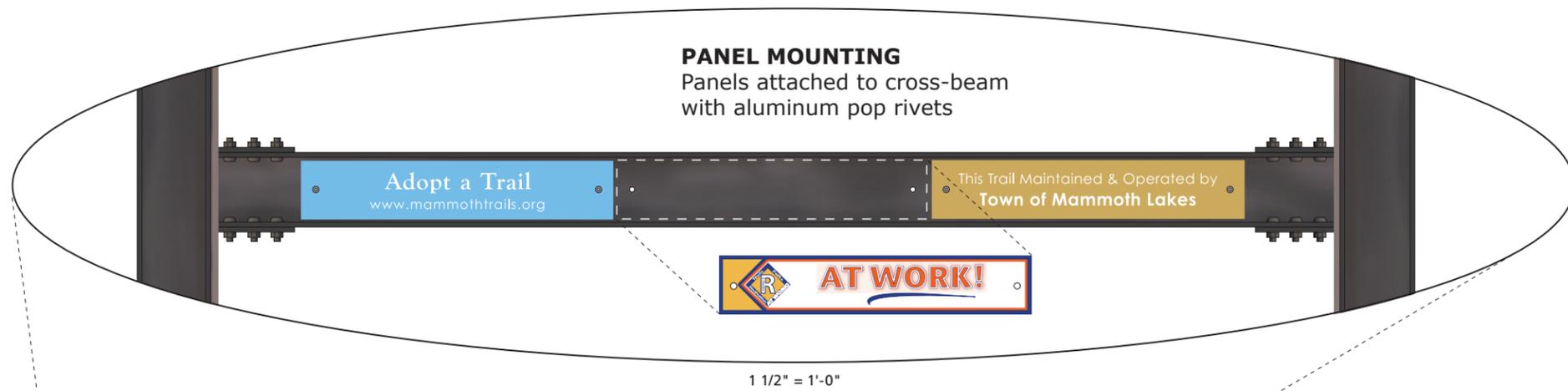
FABRICATOR TO PROVIDE COORDINATED SHOP DRAWINGS FOR ENGINEER/OWNER REVIEW AND ACCEPTANCE.

See BEAM ASSEMBLY DETAIL on sheet 3

4" x 4" wide flange beam structural steel beams. Steel nuts, washers and bolts. Bolts to not extend beyond nut by more than 1/2". All bolt heads to be inside of beams.

POST SUPPORT BRACKET

3/8" thick welded side and 1/2" thick steel bottom plates. *OPTION: bolt and weld support bracket to post*



PANELS

1/8" aluminum panels with holes to align with holes in cross beam

FONTS & GRAPHICS

Fonts are converted to outlines

FINISH AND GRAPHICS

Matthews acrylic polyurethane painted background, edges and back. Surface masked and sprayed text and graphics. Satin clear coat to be applied over background, text and graphics.

US Forest Service Yellow background

Sign Type

Secondary Message Panel Layouts

Scale

See scales noted on sheet (on an 11 x 17 sheet)

Color Code

- 01 Town of Mammoth Lakes
- 02 US Forest Service
- 04 White
- 05 Brown
- 06 Steel Finish
- 07 Red
- 08 Yellow
- 09 Black
- 10 Orange

Notes

This drawing is design-intent only. Fabricator is responsible for engineering, fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and the Town of Mammoth Lakes, California.

Date Description

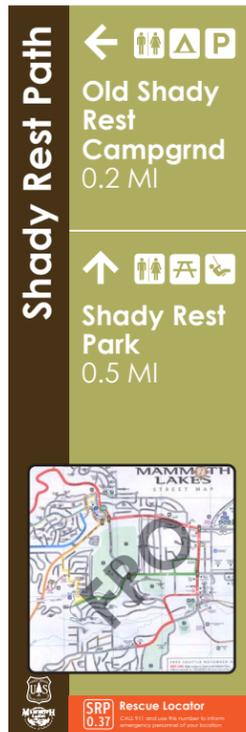
Date	Description
03.16.10	Design Intent
04.12.10	Revision

Client

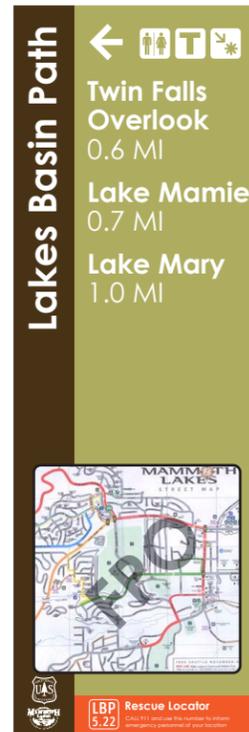
The Town of Mammoth Lakes
California

corbindesign

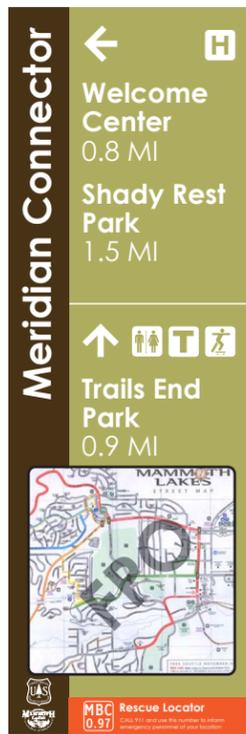
109 East Front Suite 304
Traverse City, MI 49684
231 947.1236



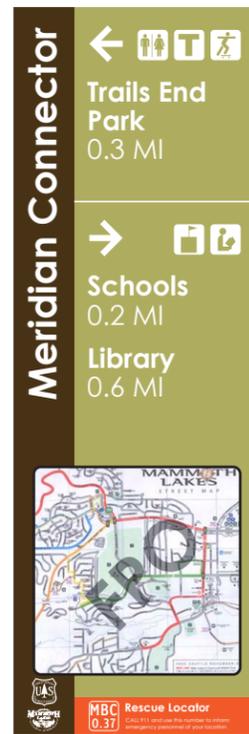
Message Layout A
(sign number SRP 0.37)



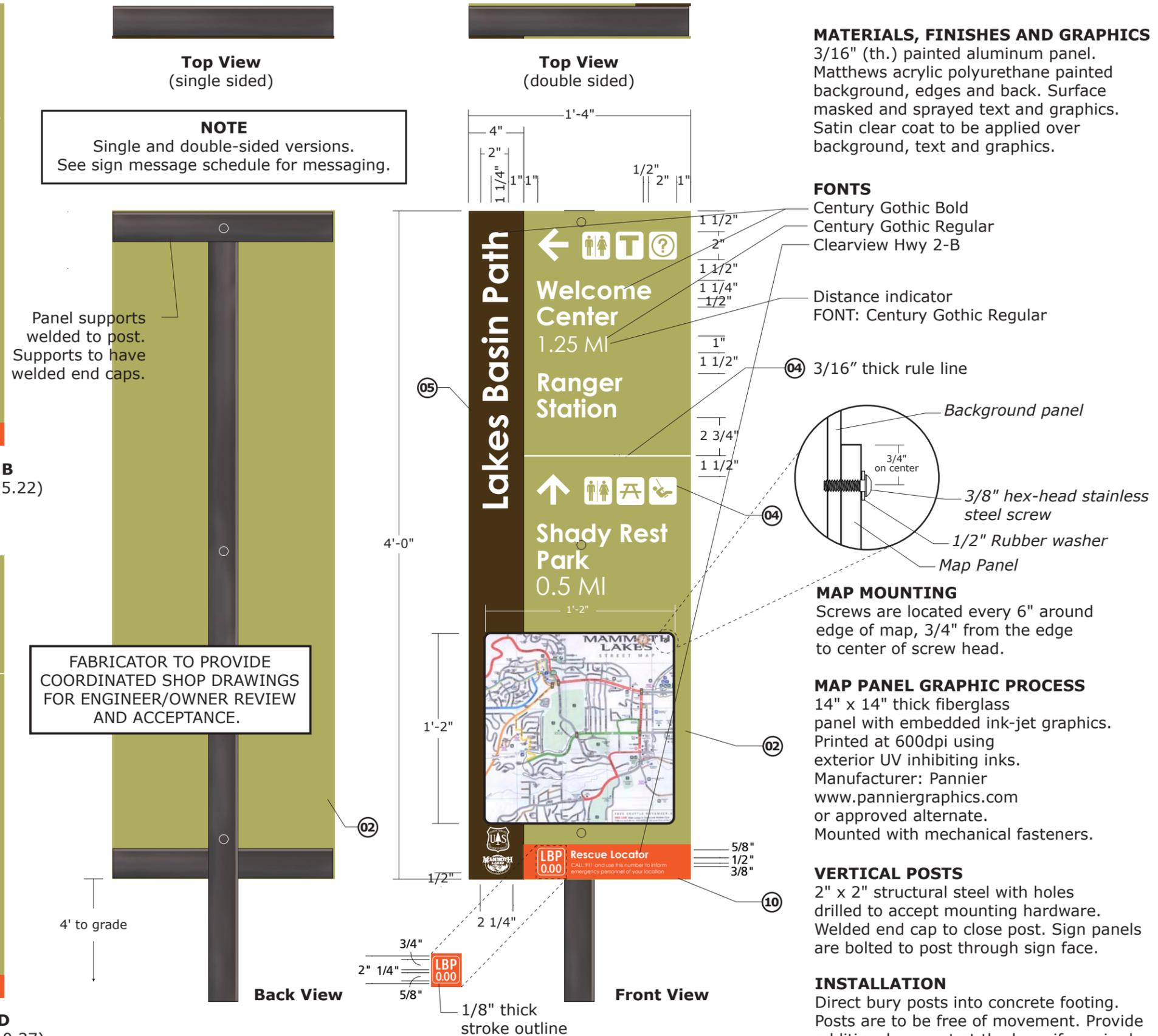
Message Layout B
(sign number LBP 5.22)



Message Layout C
(sign number MBC 0.97)



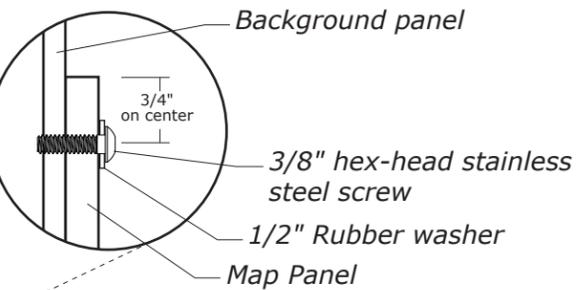
Message Layout D
(sign number MBC 0.37)



MATERIALS, FINISHES AND GRAPHICS
3/16" (th.) painted aluminum panel. Matthews acrylic polyurethane painted background, edges and back. Surface masked and sprayed text and graphics. Satin clear coat to be applied over background, text and graphics.

FONTS
Century Gothic Bold
Century Gothic Regular
Clearview Hwy 2-B

Distance indicator
FONT: Century Gothic Regular



MAP MOUNTING
Screws are located every 6" around edge of map, 3/4" from the edge to center of screw head.

MAP PANEL GRAPHIC PROCESS
14" x 14" thick fiberglass panel with embedded ink-jet graphics. Printed at 600dpi using exterior UV inhibiting inks. Manufacturer: Pannier www.panniergraphics.com or approved alternate. Mounted with mechanical fasteners.

VERTICAL POSTS
2" x 2" structural steel with holes drilled to accept mounting hardware. Welded end cap to close post. Sign panels are bolted to post through sign face.

INSTALLATION
Direct bury posts into concrete footing. Posts are to be free of movement. Provide additional support at the base if required. Vibration analysis and stiffeners at the base of post where necessary.

Sign Type

TYPE 4/6

Information/Guide
Combination Sign

Scale

1 1/2" = 1'-0"
(on an 11 x 17 sheet)

Color Code

- 01 Gold
- 02 Mammoth Lakes Trail System
- 04 White
- 05 Brown
- 06 Steel Finish
- 07 Red
- 08 Yellow
- 09 Black
- 10 Orange

Notes

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Date	Description
01.30.09	Design Intent
02.09.10	Revision
02.25.10	Revision
2.11.11	Revision
2.21.11	Revision

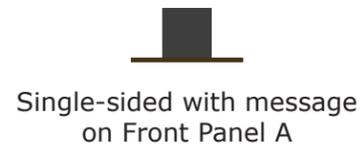
Client

The Town of Mammoth Lakes
California

corbindesign

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Traverse City, MI 49684

231 947.1236



Single-sided with message on Front Panel A



Double-sided messages on Front Panel A and Back Panel B

Message Layout A



Four-sided with messages on Front Panel A and Side Panel B

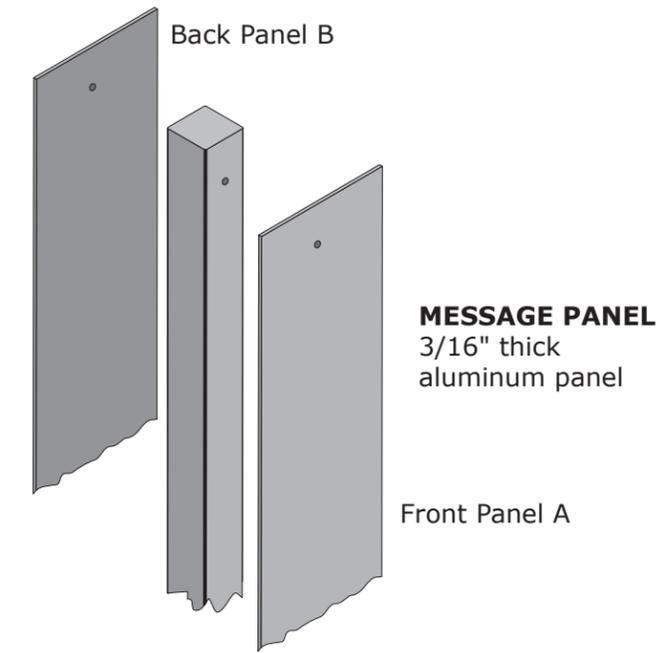
Message Layout B



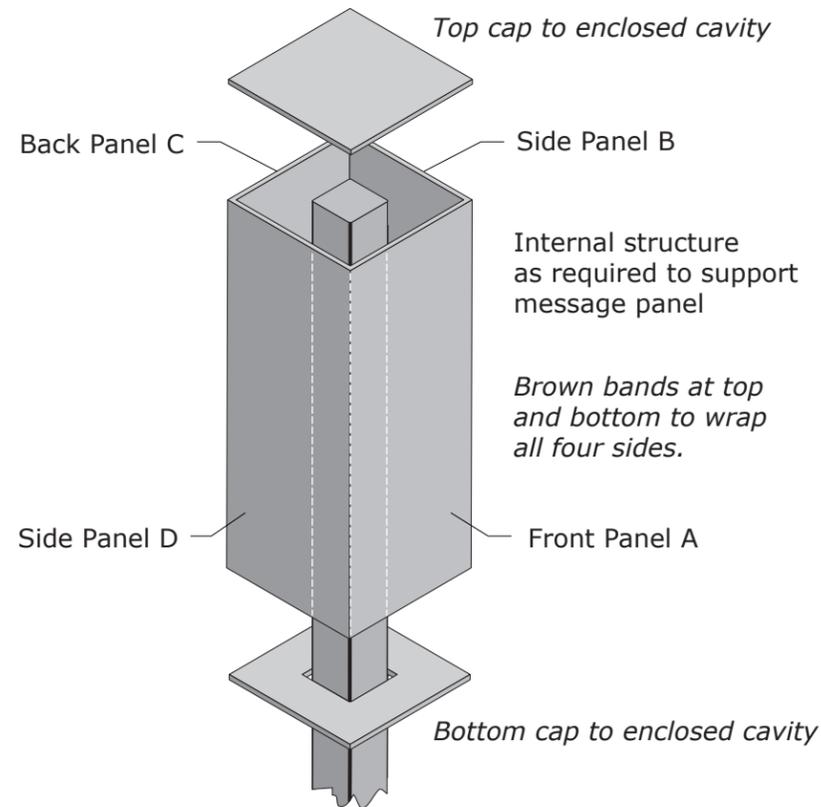
Four-sided with messages on Front Panel A, Side Panel B and Back Panel C

Message Layout C

FABRICATOR TO PROVIDE COORDINATED SHOP DRAWINGS FOR ENGINEER/OWNER REVIEW AND ACCEPTANCE.



Single and Double-Sided Panel Layouts



Four-Sided Panel Layout

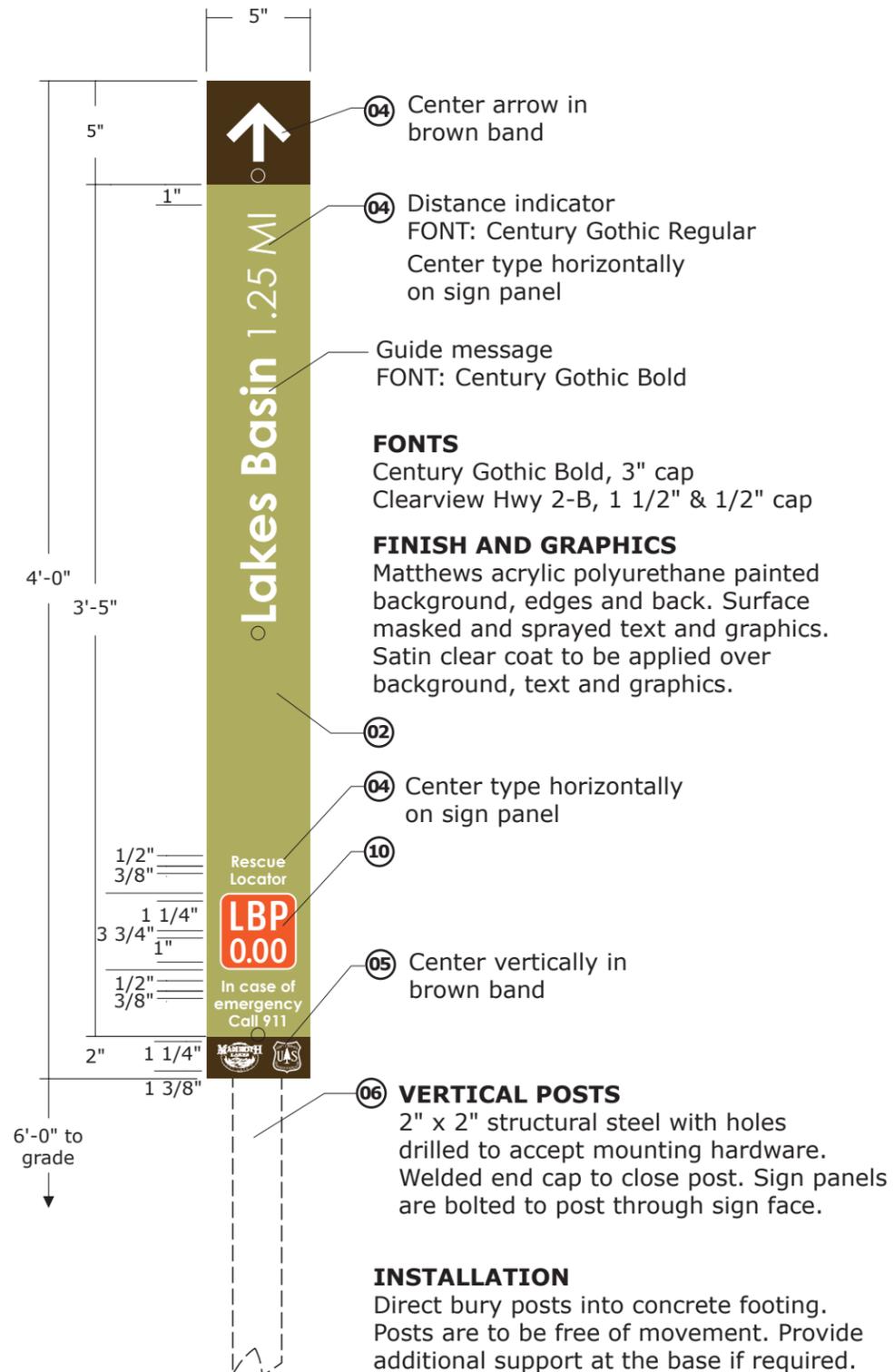
MESSAGE PANEL
3/16" thick aluminum panel

Top cap to enclosed cavity

Internal structure as required to support message panel

Brown bands at top and bottom to wrap all four sides.

Bottom cap to enclosed cavity



- 04 Center arrow in brown band
- 04 Distance indicator
FONT: Century Gothic Regular
Center type horizontally on sign panel

Guide message
FONT: Century Gothic Bold

FONTS
Century Gothic Bold, 3" cap
Clearview Hwy 2-B, 1 1/2" & 1/2" cap

FINISH AND GRAPHICS
Matthews acrylic polyurethane painted background, edges and back. Surface masked and sprayed text and graphics. Satin clear coat to be applied over background, text and graphics.

- 02
- 04 Center type horizontally on sign panel

- 10
- 05 Center vertically in brown band

06 VERTICAL POSTS
2" x 2" structural steel with holes drilled to accept mounting hardware. Welded end cap to close post. Sign panels are bolted to post through sign face.

INSTALLATION
Direct bury posts into concrete footing. Posts are to be free of movement. Provide additional support at the base if required.

NOTE
Multiple message panels. See sign message schedule for number of sign panels and messaging.

Sign Type

TYPE 6a
Trail Guide (secondary)

Scale

1 1/2" = 1'-0"
(on an 11 x 17 sheet)

Color Code

- 01 Gold
- 02 Mammoth Lakes Trail System
- 04 White
- 05 Brown
- 06 Steel Finish
- 07 Red
- 08 Yellow
- 09 Black
- 10 Orange

Notes

2" x 2" square structural steel

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Date Description

01.30.09	Design Intent
02.09.10	Revision
02.25.10	Revision
02.11.11	Revision

Client

The Town of Mammoth Lakes
California

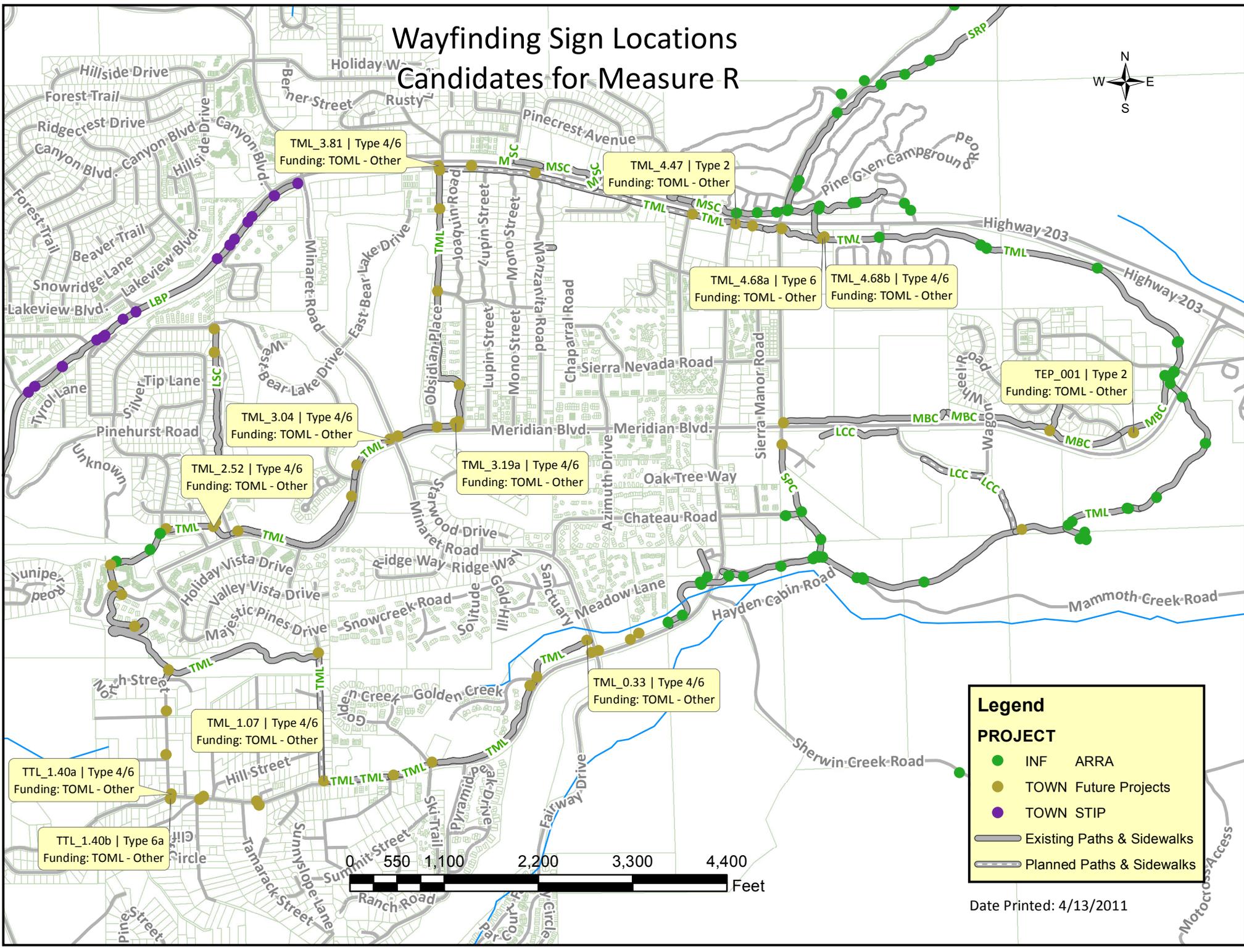
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**Measure R Spring 2011 Grant Application
“MLTS Signage and Wayfinding Implementation Phase 3”**

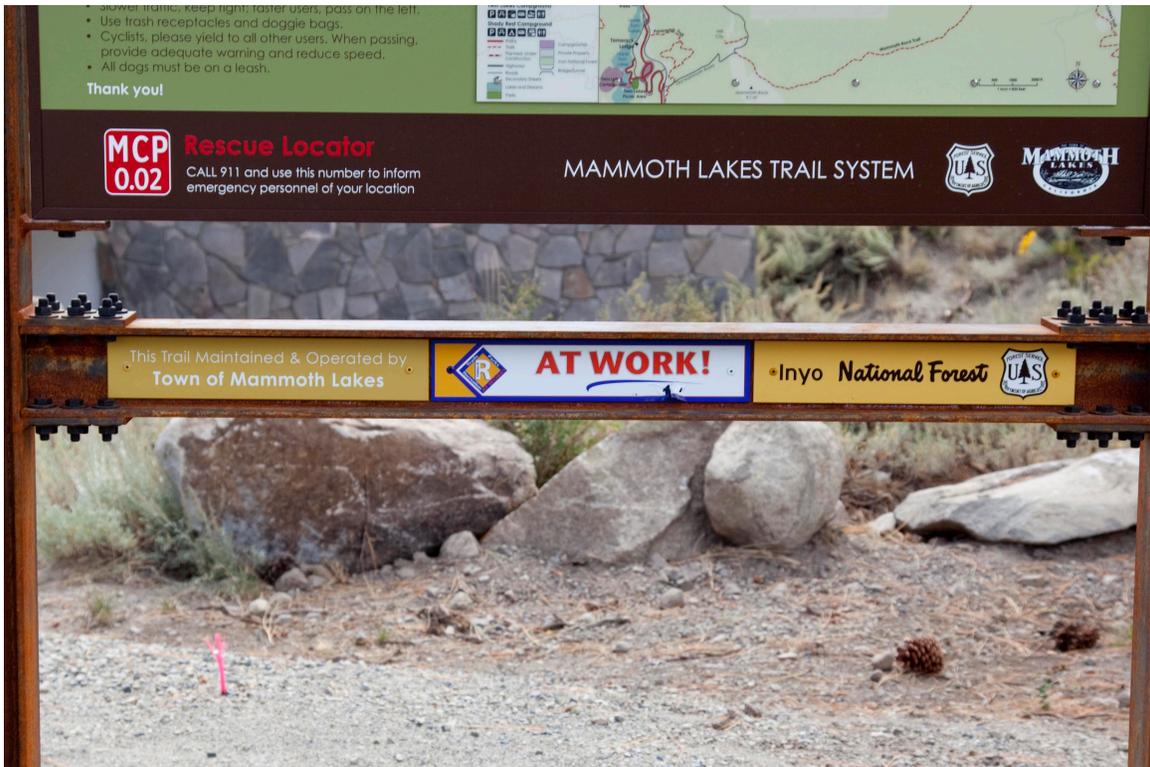
**Exhibit B
Sign Location Map**

Wayfinding Sign Locations Candidates for Measure R



**Measure R Spring 2011 Grant Application
“MLTS Signage and Wayfinding Implementation Phase 3”**

**Exhibit C: Photo Documentation
Type 2 Plaque Examples**







**Measure R Spring 2011 Grant Application
“MLTS Signage and Wayfinding Implementation Phase 3”**

**Exhibit C: Photo Documentation
Examples of Oval Bollard Plaques for Removal**





