Mammoth Lakes Trail System Master Plan (MLTSMP)

Recommended Projects and Programs

Green highlighted cels = MLTPA suggested additions a/o October 3, 2013

= Complete or Substantially Complete + Ready for Ongoing Management

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"Notes" are the original comments from TOML MLTS CC Coordinator Steve Speidel

CATEGORY	PROJECT STATUS	MLTSMP Citation	MLTSMP TITLE	NOTES (last edit January 2021)
100:Planning		N4	Public Transit Access to Recreation Nodes	On-going. The Town maintains a list from the Mobility Commission's work.
100:Planning		N5	Summer Recreation Nodes	On-going, signage, transit stops, parking. See Table 4-2 page 120.
100:Planning		N6	Winter Recreation Nodes	On-going with some signage and limited transit. See Table 4-3 page 123.
100:Planning		P1	Sidewalk to Major Roadway Ratio	New sidewalks have been installed as part of Safe Routes to Schools - Sierra Park Road, Sierra Nevada Road.
100:Planning		P2	Sidewalk to and along Major Roadway Rat	Meridian and Canyon are in the planning phase. Projects are being considered in the Pedestrian Master Plan.
100:Planning		P3	Sidewalk to Major Roadway Ratio, Sidewa	Other projects are being considered in the Pedestrian Master Plan.
100:Planning		P4	Mid-Block Pedestrian Connectors	Projects are being considered in the Pedestrian Master Plan.
100:Planning		SS1	Snowcreek Meadow Trail	Completed and maintained by TOML
100:Planning		SS3	Shady Rest Winter Trails	Trails are complete. The USFS has proposed and is studying a revision to winter staging at Shady Rest.
110:Strategic Planning		G12	Coordination with local NGO's	**Mammoth Lakes Recreation/RECSTRATS:** MLTPA convened and helped to facilitate the Mammoth Regional Recreation Council and Mammoth Lakes Recreation development process, which sought to specifically identify opportunities for non-governmental organizations' participation in the Mammoth Lakes Trail System along with other recreation opportunities. This process was the basis for RecStrats.
120:Collab. Planning		G13	Summit Process	Winter Recreation Summit initiated in 2017, SRIC Planning Grant 2019-2022
210:Guidelines		A4	Pathway Surface Materials	Within the updated Public Works Standards.
210:Guidelines		BP1	Bicycle Parking Requirements	The Zoning Code Update will contain bike parking requirements. Needs to be revisited in plan.
210:GuidelinesStandards		G05	Trail-Oriented Development	Community and Economic Development Department reviews proposals based on adopted trail plans. Parcel, WBR and PEDC
210:GuidelinesStandards		G06	Pedestrian-Oriented Development	Community and Economic Development Department reviews proposals based on adopted trail plans. Parcel, WBR and PEDC

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CATEGORY	PROJECT STATUS	MLTSMP Citation	MLTSMP TITLE	NOTES (last edit January 2021)
211:MLTS Standards		G01	Naming Conventions	• On-going, within the updated Public Works Standards. To be adopted by Town Council in the future. • Standardized Naming Conventions: Through the Mammoth Trails Map, Signage & Wayfinding Subcommittee and a consensus process made up of staff members from the Town of Mammoth Lakes, the Inyo National Forest, Mammoth Mountain Ski Area, and other interested parties, MLTPA established consensus and documented consistent naming conventions for the full variety of facilities and destinations that make up the Mammoth Lakes Trail System, as well as established a logic for naming future opportunities. Representatives of both the Recreation and Planning Commissions reviewed the standardized naming conventions. • Trail Naming: Through a consensus process made up of staff members from the Town of Mammoth Lakes, the Inyo National Forest, Mammoth Mountain Ski Area, the Mammoth Trails Map, Signage & Wayfinding Subcommittee, and other interested parties, MLTPA established consensus and documented new naming conventions for several trails in the Mammoth Lakes Trail System, including the Lakes Basin Path (formerly the Lake Mary Road Bike Path). A process for naming of future trails was established as well. • Standardized Naming Conventions - Symbology: Through a consensus process made up of staff members from the Town of Mammoth Lakes, the Inyo National Forest, Mammoth Mountain Ski Area, and other interested parties, MLTPA established consensus and documented the use of recreation and service symbology as part of the signage-and-wayfinding program for the Mammoth Lakes Trail System. Use of this symbology will most likely be incorporated into the Mammoth Trails website; the baseline symbol set has been developed based on symbols developed by the National Park Service. • Standards Manual in process to be completed Spring 2021 and sent to TOML

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CATEGORY	PROJECT STATUS	MLTSMP Citation	MLTSMP TITLE	NOTES (last edit January 2021)
211:MLTS Standards		G02	Updated Trail Maps	• Winter Rec. Map update w/USFS discussions ongoing. CA State Parks OHMVR Division - MLR Grant to complete updates in Spring 2021 • Trail Maps: Through a consensus process known as the MLTS Map Committee and made up of staff members from the Town of Mammoth Lakes, the Inyo National Forest, Mammoth Mountain Ski Area, and other interested parties, MLTPA established consensus and documented all necessary graphic and content needs for a mapping program for the MLTS. Three maps were produced: the full MLTS extent map, the “Town” sub-region map, and the “Lakes Basin” sub-region map. This effort has laid the foundation for further MLTS mapping efforts as well as for the articulation of the MLTS mapping program in multiple media, including the Internet, smartphone technology, and analog media. • Yearly updates and additions as needed

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CATEGORY	PROJECT STATUS	MLTSMP Citation	MLTSMP TITLE	NOTES (last edit January 2021)
211:MLTS Standards		G03	Uniform Trail Signage	• **Signage and Wayfinding Implementation:** Through the Mammoth Trails Map, Signage & Wayfinding Subcommittee and a consensus process made up of staff members from the Town of Mammoth Lakes, the Inyo National Forest, Mammoth Mountain Ski Area, and other interested parties, MLTPA established a process that successfully implemented the steps and actions identified in Section 5.2.15. This process has been documented for inclusion in the Mammoth Lakes Trail System Standards Manual; process deliverables were submitted to the Town for inclusion in the ARRA signage and- wayfinding program to be installed in the summer of 2011. • Signage and Wayfinding - Standards: Convening and facilitation of partner meetings (TOML, INF, and MLTPA) to develop consensus standards for Mammoth Lakes Trail System signage and wayfinding, including documentation of partner consensus • Signage and Wayfinding: Standards/Graphics Creation and updating of all sign-type graphics based on Chapter 5 of the Draft Trail System Master Plan • Section in Standards Manual complete and in use

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211:MLTS Standards		G08	Design Guidelines	Included in TOML Public Works Standards update. • Standards Manual: Preliminary discussions were held with the Town's Public Works Department to establish a process whereby graphic, technical, and naming-convention standards could be incorporated into the Town's Public Works Standard Plan. • Standards Manual: "Town of Mammoth Lakes – Public Works Department Section 600: Mammoth Lakes Trail System" – 77 page PDF prepared for TOML adoption documenting build ready standards for MLTS facilities such as: signage and wayfinding; multi use paths; trail amenities, pedestrian facilities; and naming conventions for all MLTS facilities. • CAD Files – 31 editable CAD files prepared for "Town of Mammoth Lakes – Public Works Department Section 600: Mammoth Lakes Trail System" • Updated "Design Intent" documents for MLTS Signage and Wayfinding Program • "Master Messaging" – Editable messaging for "MLTS Signage and Wayfinding" • Draft outline for comprehensive "MLTS Standards Manual" encompassing all aspects of MLTS facilities and programs • Section in Standards Manual complete and in use
211:MLTS Standards		G09	Trail and Mobility Needs	To be considered during Community and Economic Development Department review. WBR, PEDC, Parcel - MTC members to follow up
211:MLTS Standards		INT1	General (soft-surface/hard-surface Interface Considerations	On-going efforts with USFS/TOML/MMSA and others. WBR, PEDC, Parcel - MTC members to follow up
211:MLTS Standards		INT2	North Village	Alignment and signage changes were made this year to improve Uptown/Downtown interface. Propose to MTC addition of 4/6 sign for mapping march 2021
211:MLTS Standards		INT3	Canyon Lodge	No work has been initiated in this area to date.
211:MLTS Standards		INT4	Eagle Lodge	Waterford Signage Project in Proceess Spring 2021. Waiting for Approval MMSA and Juniper Springs

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CATEGORY	PROJECT STATUS	MLTSMP Citation	MLTSMP TITLE	NOTES (last edit January 2021)
211:MLTS Standards		N1	Nodal Typing	• Completed a/o Spring 2021 - additions made as needed • Formal adoption efforts have not begun for Nodal Typology for Portals, Parks, Trailheads, Access/Egress Points, & GIC Points per page 118. May not require However the MLTSMP has been used as a reference to provide guidance.adoption. • Mammoth Lakes Trail System Nodes: Through a consensus process made up of staff members from the Town of Mammoth Lakes, the Inyo National Forest, Mammoth Mountain Ski Area, and other interested parties, MLTPA established consensus and documented the nodal typologies as baseline information for consistent naming conventions prior to a formal process to adopt the nodal types.
211:MLTS Standards		N2	Naming of Recreational Nodes	• Completed a/o Spring 2021 - additions made as needed • Formal adoption efforts have not begun for Official Names for each node. May not require adoption. • Standardized Naming Conventions - Nodes: Through a consensus process made up of staff members from the Town of Mammoth Lakes, the Inyo National Forest, Mammoth Mountain Ski Area, and other interested parties, MLTPA established consensus and documented naming conventions for nodal typologies. Consensus was reached on naming conventions for some, but not all, of the nodes identified in the TSMP.

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211:MLTS Standards		N3	Uniform Nodal Signage	• Completed a/o Spring 2021 - additions made as needed • Formal adoption efforts have not begun for Nodal Signage. May not require adoption. However the MLTSMP has been used as a reference to provide guidance. • Signage and Wayfinding - Nodes: Through a consensus process made up of staff members from the Town of Mammoth Lakes, the Inyo National Forest, Mammoth Mountain Ski Area, and other interested parties, MLTPA established consensus and documented appropriate sign types and methodology for use at identified nodes and for consistent naming conventions and signage opportunities at identified nodes. MLTPA has initiated an inventory, through GPS and photographic means, of existing trail signage at several of the nodes identified in the TSMP.
211:MLTS Standards		N7	Future Nodal Designations	• Completed a/o Spring 2021 - additions made as needed • Formal adoption efforts have not begun for designating nodes. May not require adoption. • Mammoth Lakes Trail System Nodes: Through a consensus process made up of staff members from the Town of Mammoth Lakes, the Inyo National Forest, Mammoth Mountain Ski Area, and other interested parties, MLTPA established consensus and documented a process whereby the nodal designations based on “types” as established in the TSMP can be assigned to existing nodes. Several of the nodes have been assigned names based on the existing naming conventions established for the signage and wayfinding program.
211:MLTS Standards		X1	Design of At-Grade MUP Crossings	Within the updated Public Works Standards.
211:MLTS Standards		X2	Specific Intersection & Mid-Block Crossing	To be considered during the on-going Pedestrian Master Plan process. See table 4-8 page 134.
211:MLTS Standards			Near-Term Bike Lanes	Main Street - Needs to be revisited in plan

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221:SHARP Alignments		SS2	Summer Soft-Surface Trails outside the UC	• **Trail Alignments - Sherwins Area Recreation Plan (SHARP):** In conjunction with the Inyo National Forest and the Town, MLTPA convened and facilitated the Sherwins Area Recreation Plan Trails Technical Committee, or SHARP TTC, a volunteer effort led by MLTPA in the summer of 2010 to further refine alignments of trails and recreation facilities as recommended by the Sherwins Working Group in the Sherwins Area Recreation Plan (SHARP) document. The SHARP TTC reviewed and further refined 11 trail and recreation facility alignments as proposed in SHARP. Full documentation of SHARP TTC efforts during the summer of 2010 are documented in the "Sherwins Area Recreation Plan Trails Technical Committee – Summer 2010 Final Report," a 78-page document submitted to both the Inyo National Forest and the Town in the fall of 2010. • Trail Alignments - Sherwins Area Recreation Plan (SHARP): "Summer 2011 Final Report: Alignment Proposals for the Inyo National Forest and the Town of Mammoth Lakes" – report delivered to TOML and USFS 1/26/12 • 9 Meetings + field trips with volunteers over 5 months • 55 community volunteers + 31 meetings • Recommended alignments for 12 SHARP trail recommendations • 14.5 miles of trail alignments • Trail Construction - Sherwins Area Recreation Plan (SHARP): Field preparation of SHARP trail alignment 12b for construction by volunteer efforts through the "Summer of Stewardship: Trail Days" program • 6 field trips with USFS trail specialist staff (Keith Dawley) for the detailed review and design of SHARP trail alignments 12b, 13, 5bN, 5bS, and 15. • Facilitated coordination of a professional topographic survey, completed by Triad/Holmes Associates, of a bridge crossing along SHARP 15. • A Biological Evaluation and a Noxious Weed Risk Assessment of trail alignments SHARP 5bN, 5bS, and 15. These two environmental studies were both conducted by Forest Service Botanist, Sue Weis • The SHARP project is under way.
320:MLTS Easements		G10	Future Access Easements	TOML has developed multiple pedestrian/bike access easements across private lands, additional potentials may exist (see MUP2).

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321:Sherwins Egress		E1	Publish a Trail Guide for Mammoth Lakes	**Sherwins Egress:** 2 winter seasons' coordinated program with Snowcreek, TOML, INF, and MMSA • "Sherwins Egress Handbook" – "how to" documentation of program • Outreach including on site signage; local media; press release; electronic and website communications • Map and map refinements for crossing Snowcreek Property • Refined sign placement as identified with project partners
330:Project Implement		B1	**All Bike Lanes: NOTE**	All bike lanes are being re-evaluated in the General Bikeway Plan update. Anticipated adoption within 3 to 6 month. Bike lanes are required to be include as part of "Complete Streets" Still needs to be re evaluated
330:Project Implement		B1	Near-Term Bike Lanes	• Forest Trail • Meridian Blvd.
330:Project Implement		B2	Bike Lanes on Major Streets	• Minaret Road • Meridian Blvd • Old Mammoth Road • Lake Mary Road
330:Project Implement		B3	Bike Lanes on Collector Streets	• Tavern Road • Sierra Manor Road • Sierra Park Road • Forest Trail • Canyon Blvd. • Lakeview Blvd. • Majestic Pines Drive • Chateau Road • Sierra Nevada Road • Laurel Mt. Road
330:Project Implement		B4	Bike Routes	• North Waterford Ave. • Majestic Pines Drive

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330:Project Implement		BP2	Bicycle Parking Designed by Local Artists	• The Town has designed and produced sample "M" bike racks for use, limited current installations. • Bike Racks: "Report on Outreach Efforts and Feedback on the Mammoth "M" Rack" –report presented to Recreation Commission on November 17, 2011
330:Project Implement		BP3	Subsidized Bicycle Parking Program	• The Town has purchased 15 "M" bike racks for use. • Bike Racks: Working in conjunction with the Town and its purchasing of several Mammoth "M" bike racks, MLTPA developed a complete outreach campaign designed to solicit the participation of a variety of businesses and enterprises in a subsidized Mammoth "M" bike-rack program. Due to manufacturing delays with the racks themselves, the program was not initiated in the summer of 2010, but is ready for implementation in the summer of 2011.
330:Project Implement		E3	Safe Routes to School	On-going efforts by the Public Works Dept.
330:Project Implement		E5	Trails-Related Education Programs	8 interpretive signs are in place and 7 more are funded and will be installed soon.
330:Project Implement		G02	Updated Trail Maps	#490.1 potential $3,000 to fund updated Type 2 and Type 4/6 maps awaiting MLTSCC recommendation & Rec. Com. approval.
330:Project Implement		G03	Uniform Trail Signage	Included in TOML Public Works Standards update which will include uniform signage details.
330:Project Implement		G03	Uniform Trail Signage	**Signage and Wayfinding - Implementation:** Project management, coordination, and logistics for full-day site tours/field work ("Town Loop"): wayfinding logic, messaging logic, consensus destinations, mapping logic, rescue-locator GPS coordinates, sign orientations, photo documentation, etc.
330:Project Implement		G03	Uniform Trail Signage	**Signage and Wayfinding - Messaging:** Creation of mail-merge and Adobe Acrobat tools necessary for sign messaging creation, updating, and final delivery across all identified sign types
330:Project Implement		G03	Uniform Trail Signage	**Signage and Wayfinding - Signage:** Creation of full-size signage replicas of all signage types for field work

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330:Project Implement		G03	Uniform Trail Signage	**Signage and Wayfinding - Graphics:** "Lakes Basin Path" Final Signage Graphics delivered to TOML for use on ARRA Signage
330:Project Implement		G03	Uniform Trail Signage	**Signage and Wayfinding - Graphics:** Final "Town Trails" Sign Graphics delivered to TOM For use on Town Signage
330:Project Implement		G03	Uniform Trail Signage	**Signage and Wayfinding - Graphics:** MLTS "Plaques" graphics delivered to TOML for use on ARRA Signage
330:Project Implement		G03	Uniform Trail Signage	**Signage and Wayfinding - Messaging:** "Destinations and Symbology" schedule delivered to TOML for use on ARRA Signage
330:Project Implement		G03	Uniform Trail Signage	**Signage and Wayfinding - Messaging:** "Final Messaging Schedule" for "Town Trails" delivered to Town for use on Town Signage
330:Project Implement		G03	Uniform Trail Signage	**Signage and Wayfinding - Messaging:** Lakes Basin Path "Final Messaging Schedule" delivered to TOML for use on ARRA Signage
330:Project Implement		G03	Uniform Trail Signage	**Signage and Wayfinding:** • Messaging: Complete messaging for 95 signs - 2/24/11 • Design Intent: Updated "Design Intent" documents – 2/24/11 • Maps: 58 map files for ARRA signage – 2/24/11 • Screwhole Placement Diagram: For all map types – 2/24/11 • Reference Map Files: 5 files for content reference – 2/24/11 • Maps: 58 updated map files for ARRA signage (revised bleed specs + incorporation of new TOML logo) - 7/26/11 • Screwhole Placement Diagram: Updated 3/30/12 • Maps: 20 updated map files for ARRA signage (revised screwhole placement) - 4/3/12 • Shop Drawings: Two complete reviews of shop drawings as submitted by ARRA contractor (1/30/11 + 12/19/11) • Screwhole Placement Diagram: Updated for revised screw heads (12/03/30) • Complete QC (Quality Control) report delivered to TOML on 8/23/12: 12 discreet QC tasks for all 95 signs

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330:Project Implement		G03	Uniform Trail Signage	**Signage and Wayfinding:** 12 "Phase 3" signs - 06/28/11 • Design Intent: Updated "Design Intent" – 06/28/11 • Maps: 17 map files for "Phase 3" signs – 11/03/11 • Maps + Screwhole Placement: updated files 4/17/12 • Spiess Maps: 6 updated map files for Spiess signs on the Lakes Basin Path as well as the Prototype sign in Mammoth Creek Park – 10/04/12 • Complete QC (Quality Control) report delivered to TOML on 10/23/12: 12 discreet QC tasks for all 12 Phase 3 signs • Bollard Plaques: Updated plaques for MLTS bollards and mileage posts using MLTS logo to replace old TOML logo
330:Project Implement		G03	Uniform Trail Signage	**Signage and Wayfinding - Wayfinding Logic:** Through the Mammoth Trails Map, Signage & Wayfinding Subcommittee and a consensus process made up of staff members from the Town of Mammoth Lakes, the Inyo National Forest, Mammoth Mountain Ski Area, and other interested parties, MLTPA established a process that successfully implemented a logic for the Mammoth Lakes Trail System signage-and-wayfinding program that successfully incorporated a variety of jurisdictional needs and requirements, including those of the Inyo National Forest, the National Park Service, the Town of Mammoth Lakes, and Mammoth Mountain Ski Area. This process has been documented for inclusion in the MLTS Standards Manual.
330:Project Implement		G04	Interpretive Signage	#473 includes 7 new funded interpretive signage panels to be installed fall of 2013 or spring 2014.
330:Project Implement		G11	Trail Coordinator	The MLTSCC has been created and a coordinator established to facilitate trails projects and programs.
330:Project Implement		G12	Coordination with local NGO's	The Town & MLTSCC have entered into contracts with local NGO's to provide services to enhance the trail system.

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330:Project Implement		G12	Coordination with local NGO's	**Master Agreement:** MLTPA and the Town of Mammoth Lakes successfully negotiated and adopted a master agreement between the two organizations that allows for an ongoing contractual relationship that can be modified by amendment, with each amendment providing specific scopes of work and identified funding sources.
330:Project Implement		MUP01	Near-Term MUP Projects	Lake Mary Bike Path - Complete.
330:Project Implement		MUP02	Complete the Main Path Loop	Mammoth Creek Gap Closure - Enviro on-going, construct spring 2016.
330:Project Implement		MUP02	Complete the Main Path Loop	Town Loop: Through the Mammoth Trails Map, Signage & Wayfinding Subcommittee and a consensus process made up of staff members from the Town of Mammoth Lakes, the Inyo National Forest, Mammoth Mountain Ski Area, and other interested parties, MLTPA established a process that successfully created a "Town Loop" using existing trail facilities; the project was made possible through the implementation of the Mammoth Lakes Trail System signage-and wayfinding program. The Town Loop should be sufficiently signed for visitor enjoyment by the summer of 2011. MLTPA also initiated a process for the management of the MLTS that will establish priorities for MLTS's phased implementation.
330:Project Implement		MUP02	Near-Term MUP Projects	Old Mammoth Road 4B - Complete.
330:Project Implement		MUP03	Complete the Main Path Loop	Lodestar Extension - Awaiting TOML to obtain easement (see G10).
330:Project Implement		MUP03	In-Town MUP Connectors	College Connector Path - Complete.
330:Project Implement		MUP03	Near-Term MUP Projects	Waterford Bridge - Construction start 2014.
330:Project Implement		MUP04	Complete the Main Path Loop	Main Street Path - pending planning efforts to up-grade streetscape.
330:Project Implement		MUP04	In-Town MUP Connectors	Meadow Lane Connector Path - Ready to Start Construction summer 2013.
330:Project Implement		MUP04	MUP's Outside the UGB	Shady Rest Park Path Extension- Yet to begin planning.
330:Project Implement		MUP04	Near-Term MUP Projects	Sherwin St. Bridge - Complete.
330:Project Implement		MUP05	In-Town MUP Connectors	Manzanita Path - Phase One complete, awaiting private development.
330:Project Implement		MUP05	Lighting on the MUP's	College Connector Path - contains solar lighting.
330:Project Implement		MUP05	MUP's Outside the UGB	Forest Trail to Shady Rest Connector- Yet to begin planning.

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330:Project Implement		MUP05	Near-Term MUP Projects	Manzanita Path - Phase One complete, awaiting adjoining private development.
330:Project Implement		MUP06	In-Town MUP Connectors	Mammoth Elementary Connector Path - Opportunities for MLTSCC to provide partial funding,
330:Project Implement		MUP06	MUP's Outside the UGB	Knolls Path (south route)- Yet to begin planning.
330:Project Implement		MUP07	In-Town MUP Connectors	(see master Tracker #TR-11).
330:Project Implement		MUP07	MUP's Outside the UGB	Mammoth Creek Path (east)- Yet to begin planning.
330:Project Implement		MUP08	In-Town MUP Connectors	Industrial Park Connector - Yet to begin planning.
330:Project Implement		MUP08	MUP's Outside the UGB	Sherwin/Snowcreek VIII Connector
330:Project Implement		MUP09	In-Town MUP Connectors	MCWD Access - Yet to begin planning.
330:Project Implement		MUP10	In-Town MUP Connectors	Lodestar to Bear Lake Connector
330:Project Implement		MUP11	In-Town MUP Connectors	Hidden Valley to Minaret Connector
330:Project Implement		MUP12	In-Town MUP Connectors	Center Street to Hidden Creek Connector
330:Project Implement		MUP13	In-Town MUP Connectors	Manzanita Road to Tavern Road Connector
330:Project Implement		MUP14	In-Town MUP Connectors	Manzanita Road Path
330:Project Implement		MUP15	In-Town MUP Connectors	North Village to St. Anton Connector
330:Project Implement		MUP16	In-Town MUP Connectors	Eagle Path
410:Management Plan		G14	Action Plan	MLTSCC has developed a Master Project & Budget Tracking List
420:Governance		G15	Trail System Management MOU	The Town and USFS have created two MOU's, Trail System and Website
420:Governance		G16	Mammoth Lakes Trail System MLTS	The MLTSCC is administrating an integrated Trail System

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CATEGORY	PROJECT STATUS	MLTSMP Citation	MLTSMP TITLE	NOTES (last edit January 2021)
420:Governance		G16	Mammoth Lakes Trail System MLTS	**Mammoth Lakes Trail System Management Program:** "Inaugural Documents of Authority" – 6 Project tracks including the following: "Proposal from the Town of Mammoth Lakes to the United States Forest Service with Regard to a Mammoth Lakes Trail System"; "MLTS Assets"; "Intellectual Property"; "Governance"; "Operations and Maintenance"; "Capacity and Resources" • Town Council Action: Approval of a resolution for an enhanced relationship with the United States Forest Service. • Town Council Action: Approval of a five year $300,00 annual commitment to the Mammoth Lakes Trail System from Measure R • Town Council Action: Approval of the establishment of the Mammoth Lakes Trail System Coordinating Committee • " MLTS Management Program: Draft - March 23, 2012" – Draft Management Program using "Tahoe Rim Trail Management Plan" as reference • Presentation of "Draft Management Program" to MLTS CC
431:MammothTrails		E2	Annual Events/Calendar	No work has been initiated in this area to date.
431:MammothTrails		E2	Annual Events/Calendar	**Event Calendar:** An event-scheduling calendar was developed for use by Mammoth Trails members. It was intended for use internally by Mammoth Trails charter signatories, with integration into the visitmammoth.com website.
431:MammothTrails		E2	Publish a Trail Guide for Mammoth Lakes	USFS may be updating the Winter Recreation Map.
431:MammothTrails		E7	NGO's/Mammoth Trails	MLTSCC Project #431 Mammoth Trails is listed but not funded to date.

Mammoth Lakes Trail System Master Plan (MLTSMP)

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431:MammothTrails		E7	NGO's/Mammoth Trails	**Mammoth Trails:** 17 monthly meetings since February 16, 2011 • Source of user group "experiences" for MLTS Website • Source of user group partners for "Summer of Stewardship: Trail Days" • Community input for MLTS planning: "MLTS: Signage and Wayfinding" program through "Mammoth Trails: Map, Sign and Wayfinding Committee" • User group coordination of special events • Opportunity for community engagement: "Shady Rest Motorized Staging Area" trailhead development • Opportunity for community engagement: "Casa Diablo 4 Geothermal Project" • Opportunity for community engagement: "USFS: Travel Management Implementation" • Opportunity for community engagement: "USFS: Inyo Forest Plan Update" • Opportunity for community engagement: "Enhanced TOML/USFS Partnership"
451:MLTS Website		E1	Publish a Trail Guide for Mammoth Lakes	The MLTS website is up and running. Additional pages are being developed.
460:Info Systems		A1	MUP & Trail ADA Assessment	Has work been initiated in this area?
460:Info Systems		A1	MUP & Trail ADA Assessment	Significant effort has already been completed re: UTAP Data collection and posting on MLTS Website. See mammottrails.org or G7 Data Managment
460:Info Systems		A2	Pedestrian ADA Assessment	Has work been initiated in this area?
460:Info Systems		A3	Signage and Information	No work has been initiated in this area to date.
461:MLTS Data Library		G07	Data Management	TOML maintains and updates data within existing GIS framework.
461:MLTS Data Library		G07	Data Management	**Data Library:** 2,045 MLTS maps and reference documents scanned and converted to searchable PDF files
461:MLTS Data Library		G07	Data Management	**Data Library:** 6 sets of GIS data and updates delivered to the Town
461:MLTS Data Library		G07	Data Management	**Data Library:** Metadata updates to all MLTS GIS Data and delivery to Town
461:MLTS Data Library		G07	Data Management	**Signage and Wayfinding:** GPS and photo inventory of all MLTS MUP and trail signage delivered to Town
461:MLTS Data Library		G07	Data Management	**Signage and Wayfinding:** GPS and photo inventory of all MLTS node signage delivered to Town

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461:MLTS Data Library		G07	Data Management	**Trail Map:** Winter recreation map GIS data delivered to Town
461:MLTS Data Library		G07	Data Management	**Data Library:** MLTPA updated and maintained "…a reliable combined data source of GIS data from all federal, state, county, municipal and private sources in the Mammoth Lakes region…."
461:MLTS Data Library		G07	Data Management	**Data Library:** GIS documentation of 2640 pieces of MLTS infrastructure (trails, signage, trailheads, campgrounds, etc) • All GIS data cleaned, sorted, assigned metadata, with photos where appropriate • Mapping efforts in support of various projects on "as needed basis": "Mammoth Trails", "Biathlon", "MLTS Management Program", "MLTS Website", "MLTS: Signage and Wayfinding Program", etc. • UTAP (ADA) data collection and data development for MLTS infrastructure • GIS data source for all "MLTS: Signage and Wayfinding" maps • GIS data source for all maps on "MLTS Website" • Management of QR code program for "MLTS: Signage and Wayfinding" • Management of QR code program for "MLTS: Interpretive Signage Program" • Installation, collection and management of MLTS trail counter program and data • Coordination of QC efforts for "MLTS: Signage and Wayfinding" program • Ongoing delivery and coordination of all GIS data collection and data development efforts with agency partners (TOML + USFS)
461:MLTS Data Library		N8	Updates to GIC Database	GIS data base include GIC Points and is being maintained by the Town.
461:MLTS Data Library		N8	Updates to GIC Database	**GIC Database:** All changes to point-based geographic data within the extent of the Mammoth Lakes Trail System is being tracked by MLTPA and monitored for its possible implications to the GIC. While the incremental changes to the data set are being tracked and documented by MLTPA, a formal update to the GIC has not been published.
471:MLTS Interp		E4	Trails-Related Education Programs	FOI Lakes Basin Stewards program provides tour and interpretive information to users. • ESIA? Parks and Rec?
471:MLTS Interp		E5	Trips for Kids	No work has been initiated in this area to date. • ESIA? Parks and Rec?

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471:MLTS Interpretive		G04	Interpretive Signage	**Interpretive Program:** "Interpretive Services Planning: Opportunities for Interpretation along the Mammoth Lakes Trail System" report. Recommended by MLTS CC to the Recreation Commission and Town Council for adoption as part of the TSMP • Coordination and delivery to USFS of 3rd party photos for use on interpretive panels at Visitor Plaza and on MLTS interpretive panels funded by ARRA • Detailed QC and content notes on 8 "MLTS Interpretive Panels" by Fallon Multimedia for the USFS • "Mammoth Lakes Trail System: Interpretive Program": Development and presentation to USFS, TOML and ESIA staffs on the opportunities for technology in contemporary interpretation efforts and potential applications for the MLTS.
471:MLTS Interpretive		G04	Interpretive Signage	QR Code interface for enhanced interpretive content built and integrated into MLTS Website and MLTS Interpretive Panels
491:Photo Library		E1	Publish a Trail Guide for Mammoth Lakes	**Mammoth Lakes Trail System Photo Library:** 5,000 + RAW format (DNG) photos documenting the MLTS; Copyrighted for TOML; Keyworded with MLTS metadata; Named using standardized naming conventions • "Mammoth Lakes Trail System: Photo Library - September 2, 2012" – document detailing photo workflow and protocols for the following: "MLTPA Photo Library Workflow"; "MLTPA Photo Library: Expression Media Reader Workflow"; "SlideShow Pro Workflow"; "Holux Workflow"; "WordPress Workflow"; "Image Request"; "Model Release" • "Master Keywords" – Editable list of all keywords used in the Photo Library
511:SS Trail Maint		E6	Establish a Trail Patrol	• FOI Lakes Basin Stewards and Summer of Stewardship programs are in place. • Initiated in 2019, Trail Host and Adopt A Trail

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611:Adopt A Trail		E6	Establish a Trail Patrol	• **Adopt-A-Trail:** MLTPA coordinated with the Town to reinvigorate the Town's dormant Adopt-a-Trail program. Existing documentation for the Town's program was located and scanned and an inventory of the existing program was documented. Reestablishment of the program was phased to coincide with the new MLTS signage program's ability to extend recognition to Adopt-a-Trail partners and to conferring with the Inyo National Forest with regards to any constraints the agency may have for Adopt-a-Trail programs on federal land. • Initiated in 2019, Trail Host and Adopt A Trail
711:MLTS Marketing		G12	Coordination with local NGO's	**Mammoth Lakes Trail System Marketing:** "MLTS Flyer" – "One Sheet" documentation of Mammoth Lakes Trail System including inventory of facilities and proximity to regional attractions • "MLTS Logo + Brand Guidelines" – Logo and brand standards for the Mammoth Lakes Trail System logo and brand. Adopted by Town Council • Photographs and communications to KCET in Los Angeles re: Lakes Basin Path • "MLTS Grand Opening" – Coordination of partners, outreach, media, promotion and coordination of events for the celebration of MLTS ARRA projects and the grand opening of the Mammoth Lakes Trail System.
		B4	**Bike Routes: NOTE**	"Bike Route" is being eliminated as a category. Bike Routes will be incorporated into bike lanes where appropriate.
		G02	Updated Trail Maps	Trail Map: "Winter Recreation Map"- creation of master map file; printed and distributed by the Town

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100:Planning		N4	Public Transit Access to Recreation Nodes	On-going. The Town maintains a list from the Mobility Commission's work.
100:Planning		N5	Summer Recreation Nodes	On-going, signage, transit stops, parking. See Table 4-2 page 120.
100:Planning		N6	Winter Recreation Nodes	On-going with some signage and limited transit. See Table 4-3 page 123.
100:Planning		P1	Sidewalk to Major Roadway Ratio	New sidewalks have been installed as part of Safe Routes to Schools - Sierra Park Road, Sierra Nevada Road.
100:Planning		P2	Sidewalk to Major Roadway Ratio	Meridian and Canyon are in the planning phase.
100:Planning		P2	Sidewalks along Major Roads	Projects are being considered in the Pedestrian Master Plan.
100:Planning		P3	Sidewalk to Major Roadway Ratio	Other projects are being considered in the Pedestrian Master Plan.
100:Planning		P3	Sidewalks along Collector or Local Streets	Projects are being considered in the Pedestrian Master Plan.
100:Planning		P4	Mid-Block Pedestrian Connectors	Projects are being considered in the Pedestrian Master Plan.
100:Planning		SS1	Snowcreek Meadow Trail	40 foot existing easement. No work has been initiated in this area to date.
100:Planning		SS3	Shady Rest Winter Trails	The USFS has proposed and is studying a revision to winter staging at Shady Rest.
110:Strategic Planning		G12	Coordination with local NGO's	**Mammoth Lakes Recreation/RECSTRATS:** MLTPA convened and helped to facilitate the Mammoth Regional Recreation Council and Mammoth Lakes Recreation development process, which sought to specifically identify opportunities for non-governmental organizations' participation in the Mammoth Lakes Trail System along with other recreation opportunities. This process was the basis for RecStrats.
120:Collab. Planning		G13	Summit Process	No recent summits have been initiated.
120:Collab. Planning		G13	Summit Process	**Collaborative Planning - "Sherwins Area Recreation Plan (SHARP)":** drafting, circulation for approval, and distribution
120:Collab. Planning		G13	Summit Process	**Collaborative Planning - "Sherwins Working Group":** convening, noticing, public outreach, documentation, and web hosting

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120:Collab. Planning		G13	Summit Process	**Collaborative Planning - Shady Rest/Inyo Craters Working Group:** "Shady Rest / Inyo Craters Existing Conditions Analysis" – preparation of preliminary existing conditions/scoping analysis Map: Preparation od preliminary project area map
210:Guidelines		A4	Pathway Surface Materials	Within the updated Public Works Standards..
210:Guidelines		BP1	Bicycle Parking Requirements	The Zoning Code Update will contain bike parking requirements.
210:GuidelinesStandards		G05	Trail-Oriented Development	Community and Economic Development Department reviews proposals based on adopted trail plans.
210:GuidelinesStandards		G06	Pedestrian-Oriented Development	Community and Economic Development Department reviews proposals based on adopted trail plans.
211:MLTS Standards		G01	Naming Conventions	On-going, within the updated Public Works Standards. To be adopted by Town Council in the future.
211:MLTS Standards		G01	Naming Conventions	**Trail Naming:** Through a consensus process made up of staff members from the Town of Mammoth Lakes, the Inyo National Forest, Mammoth Mountain Ski Area, the Mammoth Trails Map, Signage & Wayfinding Subcommittee, and other interested parties, MLTPA established consensus and documented new naming conventions for several trails in the Mammoth Lakes Trail System, including the Lakes Basin Path (formerly the Lake Mary Road Bike Path). A process for naming of future trails was established as well.
211:MLTS Standards		G01	Naming Conventions	**Standardized Naming Conventions - Symbology:** Through a consensus process made up of staff members from the Town of Mammoth Lakes, the Inyo National Forest, Mammoth Mountain Ski Area, and other interested parties, MLTPA established consensus and documented the use of recreation and service symbology as part of the signage-and-wayfinding program for the Mammoth Lakes Trail System. Use of this symbology will most likely be incorporated into the Mammoth Trails website; the baseline symbol set has been developed based on symbols developed by the National Park Service.

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211:MLTS Standards		G01	Naming Conventions	**Standardized Naming Conventions:** Through the Mammoth Trails Map, Signage & Wayfinding Subcommittee and a consensus process made up of staff members from the Town of Mammoth Lakes, the Inyo National Forest, Mammoth Mountain Ski Area, and other interested parties, MLTPA established consensus and documented consistent naming conventions for the full variety of facilities and destinations that make up the Mammoth Lakes Trail System, as well as established a logic for naming future opportunities. Representatives of both the Recreation and Planning Commissions reviewed the standardized naming conventions.
211:MLTS Standards		G02	Updated Trail Maps	#731 @ $3,000 + potential $3,000 set a side to fund map updates. Winter Rec. Map update w/USFS discussions ongoing.
211:MLTS Standards		G02	Updated Trail Maps	**Trail Maps:** Through a consensus process known as the MLTS Map Committee and made up of staff members from the Town of Mammoth Lakes, the Inyo National Forest, Mammoth Mountain Ski Area, and other interested parties, MLTPA established consensus and documented all necessary graphic and content needs for a mapping program for the MLTS. Three maps were produced: the full MLTS extent map, the “Town” sub-region map, and the “Lakes Basin” sub-region map. This effort has laid the foundation for further MLTS mapping efforts as well as for the articulation of the MLTS mapping program in multiple media, including the Internet, smartphone technology, and analog media.

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211:MLTS Standards		G03	Uniform Trail Signage	**Signage and Wayfinding Implementation:** Through the Mammoth Trails Map, Signage & Wayfinding Subcommittee and a consensus process made up of staff members from the Town of Mammoth Lakes, the Inyo National Forest, Mammoth Mountain Ski Area, and other interested parties, MLTPA established a process that successfully implemented the steps and actions identified in Section 5.2.15. This process has been documented for inclusion in the Mammoth Lakes Trail System Standards Manual; process deliverables were submitted to the Town for inclusion in the ARRA signage and- wayfinding program to be installed in the summer of 2011.
211:MLTS Standards		G03	Uniform Trail Signage	**Signage and Wayfinding - Standards:** Convening and facilitation of partner meetings (TOML, INF, and MLTPA) to develop consensus standards for Mammoth Lakes Trail System signage and wayfinding, including documentation of partner consensus
211:MLTS Standards		G03	Uniform Trail Signage	**Signage and Wayfinding:** Standards/Graphics Creation and updating of all sign-type graphics based on Chapter 5 of the Draft Trail System Master Plan
211:MLTS Standards		G08	Design Guidelines	Included in TOML Public Works Standards update.
211:MLTS Standards		G08	Design Guidelines	**Standards Manual:** Preliminary discussions were held with the Town's Public Works Department to establish a process whereby graphic, technical, and naming-convention standards could be incorporated into the Town's Public Works Standard Plan.

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211:MLTS Standards		G08	Design Guidelines	**Standards Manual:** "Town of Mammoth Lakes – Public Works Department Section 600: Mammoth Lakes Trail System" – 77 page PDF prepared for TOML adoption documenting build ready standards for MLTS facilities such as: signage and wayfinding; multi use paths; trail amenities, pedestrian facilities; and naming conventions for all MLTS facilities. • CAD Files – 31 editable CAD files prepared for "Town of Mammoth Lakes – Public Works Department Section 600: Mammoth Lakes Trail System" • Updated "Design Intent" documents for MLTS Signage and Wayfinding Program • "Master Messaging" – Editable messaging for "MLTS Signage and Wayfinding" • Draft outline for comprehensive "MLTS Standards Manual" encompassing all aspects of MLTS facilities and programs
211:MLTS Standards		G09	Trail and Mobility Needs	To be considered during Community and Economic Development Department review.
211:MLTS Standards		INT1	General (soft-surface/hard-surface Interface Considerations	On-going efforts with USFS/TOML/MMSA and others.
211:MLTS Standards		INT2	North Village	Alignment and signage changes were made this year to improve Uptown/Downtown interface.
211:MLTS Standards		INT3	Canyon Lodge	No work has been initiated in this area to date.
211:MLTS Standards		INT4	Eagle Lodge	Striping and signage in the parking area has improved the interface.
211:MLTS Standards		N1	Nodal Typing	Formal adoption efforts have not begun for Nodal Typology for Portals, Parks, Trailheads, Access/Egress Points, & GIC Points per page 118. May not require However the MLTSMP has been used as a reference to provide guidance.adoption.

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211:MLTS Standards		N1	Nodal Typing	**Mammoth Lakes Trail System Nodes:** Through a consensus process made up of staff members from the Town of Mammoth Lakes, the Inyo National Forest, Mammoth Mountain Ski Area, and other interested parties, MLTPA established consensus and documented the nodal typologies as baseline information for consistent naming conventions prior to a formal process to adopt the nodal types.
211:MLTS Standards		N2	Naming of Recreational Nodes	Formal adoption efforts have not begun for Official Names for each node. May not require adoption.
211:MLTS Standards		N2	Naming of Recreational Nodes	**Standardized Naming Conventions - Nodes:** Through a consensus process made up of staff members from the Town of Mammoth Lakes, the Inyo National Forest, Mammoth Mountain Ski Area, and other interested parties, MLTPA established consensus and documented naming conventions for nodal typologies. Consensus was reached on naming conventions for some, but not all, of the nodes identified in the TSMP.
211:MLTS Standards		N3	Uniform Nodal Signage	Formal adoption efforts have not begun for Nodal Signage. May not require adoption. However the MLTSMP has been used as a reference to provide guidance.
211:MLTS Standards		N3	Uniform Nodal Signage	**Signage and Wayfinding - Nodes:** Through a consensus process made up of staff members from the Town of Mammoth Lakes, the Inyo National Forest, Mammoth Mountain Ski Area, and other interested parties, MLTPA established consensus and documented appropriate sign types and methodology for use at identified nodes and for consistent naming conventions and signage opportunities at identified nodes. MLTPA has initiated an inventory, through GPS and photographic means, of existing trail signage at several of the nodes identified in the TSMP.
211:MLTS Standards		N7	Future Nodal Designations	Formal adoption efforts have not begun for designating nodes. May not require adoption.

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211:MLTS Standards		N7	Future Nodal Designations	**Mammoth Lakes Trail System Nodes:** Through a consensus process made up of staff members from the Town of Mammoth Lakes, the Inyo National Forest, Mammoth Mountain Ski Area, and other interested parties, MLTPA established consensus and documented a process whereby the nodal designations based on "types" as established in the TSMP can be assigned to existing nodes. Several of the nodes have been assigned names based on the existing naming conventions established for the signage and wayfinding program.
211:MLTS Standards		X1	Design of At-Grade MUP Crossings	Within the updated Public Works Standards.
211:MLTS Standards		X2	Specific Intersection & Mid-Block Crossing	To be considered during the on-going Pedestrian Master Plan process. See table 4-8 page 134.
211:MLTS Standards			Near-Term Bike Lanes	Main Street
221:SHARP Alignments		SS2	Summer Soft-Surface Trails outside the UC	**Trail Alignments - Sherwins Area Recreation Plan (SHARP):** In conjunction with the Inyo National Forest and the Town, MLTPA convened and facilitated the Sherwins Area Recreation Plan Trails Technical Committee, or SHARP TTC, a volunteer effort led by MLTPA in the summer of 2010 to further refine alignments of trails and recreation facilities as recommended by the Sherwins Working Group in the Sherwins Area Recreation Plan (SHARP) document. The SHARP TTC reviewed and further refined 11 trail and recreation facility alignments as proposed in SHARP. Full documentation of SHARP TTC efforts during the summer of 2010 are documented in the "Sherwins Area Recreation Plan Trails Technical Committee – Summer 2010 Final Report," a 78-page document submitted to both the Inyo National Forest and the Town in the fall of 2010.

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221:SHARP Alignments		SS2	Summer Soft-Surface Trails outside the UC	**Trail Alignments - Sherwins Area Recreation Plan (SHARP):** "Summer 2011 Final Report: Alignment Proposals for the Inyo National Forest and the Town of Mammoth Lakes" – report delivered to TOML and USFS 1/26/12 • 9 Meetings + field trips with volunteers over 5 months • 55 community volunteers + 31 meetings • Recommended alignments for 12 SHARP trail recommendations • 14.5 miles of trail alignments
221:SHARP Alignments		SS2	Summer Soft-Surface Trails outside the UC	**Trail Construction - Sherwins Area Recreation Plan (SHARP):** Field preparation of SHARP trail alignment 12b for construction by volunteer efforts through the "Summer of Stewardship: Trail Days" program • 6 field trips with USFS trail specialist staff (Keith Dawley) for the detailed review and design of SHARP trail alignments 12b, 13, 5bN, 5bS, and 15. • Facilitated coordination of a professional topographic survey, completed by Triad/Holmes Associates, of a bridge crossing along SHARP 15. • A Biological Evaluation and a Noxious Weed Risk Assessment of trail alignments SHARP 5bN, 5bS, and 15. These two environmental studies were both conducted by Forest Service Botanist, Sue Weis
311:SHARP NEPA/CEQA		SS2	Summer Soft-Surface Trails outside the UC	The SHARP project is under way.
320:MLTS Easements		G10	Future Access Easements	TOML has developed multiple pedestrian/bike access easements across private lands, additional potentials may exist (see MUP2).
321:Sherwins Egress		E1	Publish a Trail Guide for Mammoth Lakes	**Sherwins Egress:** 2 winter seasons' coordinated program with Snowcreek, TOML, INF, and MMSA • "Sherwins Egress Handbook" – "how to" documentation of program • Outreach including on site signage; local media; press release; electronic and website communications • Map and map refinements for crossing Snowcreek Property • Refined sign placement as identified with project partners
330:Project Implement		B1	**All Bike Lanes: NOTE**	All bike lanes are being re-evaluated in the General Bikeway Plan update. Anticipated adoption within 3 to 6 month. Bike lanes are required to be include as part of "Complete Streets"

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330:Project Implement		B1	Near-Term Bike Lanes	Forest Trail
330:Project Implement		B1	Near-Term Bike Lanes	Meridian Blvd.
330:Project Implement		B2	Bike Lanes on Major Streets	Minaret Road
330:Project Implement		B2	Bike Lanes on Major Streets	Lake Mary road
330:Project Implement		B2	Bike Lanes on Major Streets	Meridian Blvd.
330:Project Implement		B2	Bike Lanes on Major Streets	Old Mammoth Road
330:Project Implement		B3	Bike Lanes on Collector Streets	Tavern Road
330:Project Implement		B3	Bike Lanes on Collector Streets	Sierra Manor Road
330:Project Implement		B3	Bike Lanes on Collector Streets	Sierra Park Road
330:Project Implement		B3	Bike Lanes on Collector Streets	Forest Trail
330:Project Implement		B3	Bike Lanes on Collector Streets	Canyon Blvd.
330:Project Implement		B3	Bike Lanes on Collector Streets	Lakeview Blvd.
330:Project Implement		B3	Bike Lanes on Collector Streets	Majestic Pines Drive
330:Project Implement		B3	Bike Lanes on Collector Streets	Chateau Road
330:Project Implement		B3	Bike Lanes on Collector Streets	Sierra Nevada road
330:Project Implement		B3	Bike Lanes on Collector Streets	Laurel Mt. Road
330:Project Implement		B4	Bike Routes	North Waterford Ave.
330:Project Implement		B4	Bike Routes	Majestic Pines Drive
330:Project Implement		BP2	Bicycle Parking Designed by Local Artists	The Town has designed and produced sample "M" bike racks for use, limited current installations.
330:Project Implement		BP2	Bicycle Parking Designed by Local Artists	**Bike Racks:** "Report on Outreach Efforts and Feedback on the Mammoth "M" Rack" –report presented to Recreation Commission on November 17, 2011
330:Project Implement		BP3	Subsidized Bicycle Parking Program	The Town has purchased 15 "M" bike racks for use.

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330:Project Implement		BP3	Subsidized Bicycle Parking Program	**Bike Racks:** Working in conjunction with the Town and its purchasing of several Mammoth "M" bike racks, MLTPA developed a complete outreach campaign designed to solicit the participation of a variety of businesses and enterprises in a subsidized Mammoth "M" bike-rack program. Due to manufacturing delays with the racks themselves, the program was not initiated in the summer of 2010, but is ready for implementation in the summer of 2011.
330:Project Implement		E3	Safe Routes to School	On-going efforts by the Public Works Dept.
330:Project Implement		E5	Trails-Related Education Programs	8 interpretive signs are in place and 7 more are funded and will be installed soon.
330:Project Implement		G02	Updated Trail Maps	#490.1 potential $3,000 to fund updated Type 2 and Type 4/6 maps awaiting MLTSCC recommendation & Rec. Com. approval.
330:Project Implement		G03	Uniform Trail Signage	Included in TOML Public Works Standards update which will include uniform signage details.
330:Project Implement		G03	Uniform Trail Signage	**Signage and Wayfinding - Implementation:** Project management, coordination, and logistics for full-day site tours/field work ("Town Loop"): wayfinding logic, messaging logic, consensus destinations, mapping logic, rescue-locator GPS coordinates, sign orientations, photo documentation, etc.
330:Project Implement		G03	Uniform Trail Signage	**Signage and Wayfinding - Messaging:** Creation of mail-merge and Adobe Acrobat tools necessary for sign messaging creation, updating, and final delivery across all identified sign types
330:Project Implement		G03	Uniform Trail Signage	**Signage and Wayfinding - Signage:** Creation of full-size signage replicas of all signage types for field work
330:Project Implement		G03	Uniform Trail Signage	**Signage and Wayfinding - Graphics:** "Lakes Basin Path" Final Signage Graphics delivered to TOML for use on ARRA Signage
330:Project Implement		G03	Uniform Trail Signage	**Signage and Wayfinding - Graphics:** Final "Town Trails" Sign Graphics delivered to TOM For use on Town Signage

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330:Project Implement		G03	Uniform Trail Signage	**Signage and Wayfinding - Graphics:** MLTS "Plaques" graphics delivered to TOML for use on ARRA Signage
330:Project Implement		G03	Uniform Trail Signage	**Signage and Wayfinding - Messaging:** "Destinations and Symbology" schedule delivered to TOML for use on ARRA Signage
330:Project Implement		G03	Uniform Trail Signage	**Signage and Wayfinding - Messaging:** "Final Messaging Schedule" for "Town Trails" delivered to Town for use on Town Signage
330:Project Implement		G03	Uniform Trail Signage	**Signage and Wayfinding - Messaging:** Lakes Basin Path "Final Messaging Schedule" delivered to TOML for use on ARRA Signage
330:Project Implement		G03	Uniform Trail Signage	**Signage and Wayfinding:** • Messaging: Complete messaging for 95 signs - 2/24/11 • Design Intent: Updated "Design Intent" documents – 2/24/11 • Maps: 58 map files for ARRA signage – 2/24/11 • Screwhole Placement Diagram: For all map types – 2/24/11 • Reference Map Files: 5 files for content reference – 2/24/11 • Maps: 58 updated map files for ARRA signage (revised bleed specs + incorporation of new TOML logo) - 7/26/11 • Screwhole Placement Diagram: Updated 3/30/12 • Maps: 20 updated map files for ARRA signage (revised screwhole placement) - 4/3/12 • Shop Drawings: Two complete reviews of shop drawings as submitted by ARRA contractor (1/30/11 + 12/19/11) • Screwhole Placement Diagram: Updated for revised screw heads (12/03/30) • Complete QC (Quality Control) report delivered to TOML on 8/23/12: 12 discreet QC tasks for all 95 signs

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330:Project Implement		G03	Uniform Trail Signage	**Signage and Wayfinding:** 12 "Phase 3" signs - 06/28/11 • Design Intent: Updated "Design Intent" – 06/28/11 • Maps: 17 map files for "Phase 3" signs – 11/03/11 • Maps + Screwhole Placement: updated files 4/17/12 • Spiess Maps: 6 updated map files for Spiess signs on the Lakes Basin Path as well as the Prototype sign in Mammoth Creek Park – 10/04/12 • Complete QC (Quality Control) report delivered to TOML on 10/23/12: 12 discreet QC tasks for all 12 Phase 3 signs • Bollard Plaques: Updated plaques for MLTS bollards and mileage posts using MLTS logo to replace old TOML logo
330:Project Implement		G03	Uniform Trail Signage	**Signage and Wayfinding - Wayfinding Logic:** Through the Mammoth Trails Map, Signage & Wayfinding Subcommittee and a consensus process made up of staff members from the Town of Mammoth Lakes, the Inyo National Forest, Mammoth Mountain Ski Area, and other interested parties, MLTPA established a process that successfully implemented a logic for the Mammoth Lakes Trail System signage-and-wayfinding program that successfully incorporated a variety of jurisdictional needs and requirements, including those of the Inyo National Forest, the National Park Service, the Town of Mammoth Lakes, and Mammoth Mountain Ski Area. This process has been documented for inclusion in the MLTS Standards Manual.
330:Project Implement		G04	Interpretive Signage	#473 includes 7 new funded interpretive signage panels to be installed fall of 2013 or spring 2014.
330:Project Implement		G11	Trail Coordinator	The MLTSCC has been created and a coordinator established to facilitate trails projects and programs.
330:Project Implement		G12	Coordination with local NGO's	The Town & MLTSCC have entered into contracts with local NGO's to provide services to enhance the trail system.

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330:Project Implement		G12	Coordination with local NGO's	**Master Agreement:** MLTPA and the Town of Mammoth Lakes successfully negotiated and adopted a master agreement between the two organizations that allows for an ongoing contractual relationship that can be modified by amendment, with each amendment providing specific scopes of work and identified funding sources.
330:Project Implement		MUP01	Near-Term MUP Projects	Lake Mary Bike Path - Complete.
330:Project Implement		MUP02	Complete the Main Path Loop	Mammoth Creek Gap Closure - Enviro on-going, construct spring 2016.
330:Project Implement		MUP02	Complete the Main Path Loop	Town Loop: Through the Mammoth Trails Map, Signage & Wayfinding Subcommittee and a consensus process made up of staff members from the Town of Mammoth Lakes, the Inyo National Forest, Mammoth Mountain Ski Area, and other interested parties, MLTPA established a process that successfully created a "Town Loop" using existing trail facilities; the project was made possible through the implementation of the Mammoth Lakes Trail System signage-and wayfinding program. The Town Loop should be sufficiently signed for visitor enjoyment by the summer of 2011. MLTPA also initiated a process for the management of the MLTS that will establish priorities for MLTS's phased implementation.
330:Project Implement		MUP02	Near-Term MUP Projects	Old Mammoth Road 4B - Complete.
330:Project Implement		MUP03	Complete the Main Path Loop	Lodestar Extension - Awaiting TOML to obtain easement (see G10).
330:Project Implement		MUP03	In-Town MUP Connectors	College Connector Path - Complete.
330:Project Implement		MUP03	Near-Term MUP Projects	Waterford Bridge - Construction start 2014.
330:Project Implement		MUP04	Complete the Main Path Loop	Main Street Path - pending planning efforts to up-grade streetscape.
330:Project Implement		MUP04	In-Town MUP Connectors	Meadow Lane Connector Path - Ready to Start Construction summer 2013.
330:Project Implement		MUP04	MUP's Outside the UGB	Shady Rest Park Path Extension- Yet to begin planning.
330:Project Implement		MUP04	Near-Term MUP Projects	Sherwin St. Bridge - Complete.
330:Project Implement		MUP05	In-Town MUP Connectors	Manzanita Path - Phase One complete, awaiting private development.
330:Project Implement		MUP05	Lighting on the MUP's	College Connector Path - contains solar lighting.

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330:Project Implement		MUP05	MUP's Outside the UGB	Forest Trail to Shady Rest Connector- Yet to begin planning.
330:Project Implement		MUP05	Near-Term MUP Projects	Manzanita Path - Phase One complete, awaiting adjoining private development.
330:Project Implement		MUP06	In-Town MUP Connectors	Mammoth Elementary Connector Path - Opportunities for MLTSCC to provide partial funding,
330:Project Implement		MUP06	MUP's Outside the UGB	Knolls Path (south route)- Yet to begin planning.
330:Project Implement		MUP07	In-Town MUP Connectors	(see master Tracker #TR-11).
330:Project Implement		MUP07	MUP's Outside the UGB	Mammoth Creek Path (east)- Yet to begin planning.
330:Project Implement		MUP08	In-Town MUP Connectors	Industrial Park Connector - Yet to begin planning.
330:Project Implement		MUP08	MUP's Outside the UGB	Sherwin/Snowcreek VIII Connector
330:Project Implement		MUP09	In-Town MUP Connectors	MCWD Access - Yet to begin planning.
330:Project Implement		MUP10	In-Town MUP Connectors	Lodestar to Bear Lake Connector
330:Project Implement		MUP11	In-Town MUP Connectors	Hidden Valley to Minaret Connector
330:Project Implement		MUP12	In-Town MUP Connectors	Center Street to Hidden Creek Connector
330:Project Implement		MUP13	In-Town MUP Connectors	Manzanita Road to Tavern Road Connector
330:Project Implement		MUP14	In-Town MUP Connectors	Manzanita Road Path
330:Project Implement		MUP15	In-Town MUP Connectors	North Village to St. Anton Connector
330:Project Implement		MUP16	In-Town MUP Connectors	Eagle Path
410:Management Plan		G14	Action Plan	MLTSCC has developed a Master Project & Budget Tracking List
420:Governance		G15	Trail System Management MOU	The Town and USFS have created two MOU's, Trail System and Website
420:Governance		G16	Mammoth Lakes Trail System MLTS	The MLTSCC is administrating an integrated Trail System

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420:Governance		G16	Mammoth Lakes Trail System MLTS	**Mammoth Lakes Trail System Management Program:** "Inaugural Documents of Authority" – 6 Project tracks including the following: "Proposal from the Town of Mammoth Lakes to the United States Forest Service with Regard to a Mammoth Lakes Trail System"; "MLTS Assets"; "Intellectual Property"; "Governance"; "Operations and Maintenance"; "Capacity and Resources" • Town Council Action: Approval of a resolution for an enhanced relationship with the United States Forest Service. • Town Council Action: Approval of a five year $300,00 annual commitment to the Mammoth Lakes Trail System from Measure R • Town Council Action: Approval of the establishment of the Mammoth Lakes Trail System Coordinating Committee • " MLTS Management Program: Draft - March 23, 2012" – Draft Management Program using "Tahoe Rim Trail Management Plan" as reference • Presentation of "Draft Management Program" to MLTS CC
431:MammothTrails		E2	Annual Events/Calendar	No work has been initiated in this area to date.
431:MammothTrails		E2	Annual Events/Calendar	**Event Calendar:** An event-scheduling calendar was developed for use by Mammoth Trails members. It was intended for use internally by Mammoth Trails charter signatories, with integration into the visitmammoth.com website.
431:MammothTrails		E2	Publish a Trail Guide for Mammoth Lakes	USFS may be updating the Winter Recreation Map.
431:MammothTrails		E7	NGO's/Mammoth Trails	MLTSCC Project #431 Mammoth Trails is listed but not funded to date.

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431:MammothTrails		E7	NGO's/Mammoth Trails	**Mammoth Trails:** 17 monthly meetings since February 16, 2011 • Source of user group "experiences" for MLTS Website • Source of user group partners for "Summer of Stewardship: Trail Days" • Community input for MLTS planning: "MLTS: Signage and Wayfinding" program through "Mammoth Trails: Map, Sign and Wayfinding Committee" • User group coordination of special events • Opportunity for community engagement: "Shady Rest Motorized Staging Area" trailhead development • Opportunity for community engagement: "Casa Diablo 4 Geothermal Project" • Opportunity for community engagement: "USFS: Travel Management Implementation" • Opportunity for community engagement: "USFS: Inyo Forest Plan Update" • Opportunity for community engagement: "Enhanced TOML/USFS Partnership"
451:MLTS Website		E1	Publish a Trail Guide for Mammoth Lakes	The MLTS website is up and running. Additional pages are being developed.
460:Info Systems		A1	MUP & Trail ADA Assessment	Has work been initiated in this area?
460:Info Systems		A1	MUP & Trail ADA Assessment	Significant effort has already been completed re: UTAP Data collection and posting on MLTS Website. See mammottrails.org or G7 Data Managment
460:Info Systems		A2	Pedestrian ADA Assessment	Has work been initiated in this area?
460:Info Systems		A3	Signage and Information	No work has been initiated in this area to date.
461:MLTS Data Library		G07	Data Management	TOML maintains and updates data within existing GIS framework.
461:MLTS Data Library		G07	Data Management	**Data Library:** 2,045 MLTS maps and reference documents scanned and converted to searchable PDF files
461:MLTS Data Library		G07	Data Management	**Data Library:** 6 sets of GIS data and updates delivered to the Town
461:MLTS Data Library		G07	Data Management	**Data Library:** Metadata updates to all MLTS GIS Data and delivery to Town
461:MLTS Data Library		G07	Data Management	**Signage and Wayfinding:** GPS and photo inventory of all MLTS MUP and trail signage delivered to Town

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461:MLTS Data Library		G07	Data Management	**Signage and Wayfinding:** GPS and photo inventory of all MLTS node signage delivered to Town
461:MLTS Data Library		G07	Data Management	**Trail Map:** Winter recreation map GIS data delivered to Town
461:MLTS Data Library		G07	Data Management	**Data Library:** MLTPA updated and maintained "…a reliable combined data source of GIS data from all federal, state, county, municipal and private sources in the Mammoth Lakes region…."
461:MLTS Data Library		G07	Data Management	**Data Library:** GIS documentation of 2640 pieces of MLTS infrastructure (trails, signage, trailheads, campgrounds, etc) • All GIS data cleaned, sorted, assigned metadata, with photos where appropriate • Mapping efforts in support of various projects on "as needed basis": "Mammoth Trails", "Biathlon", "MLTS Management Program", "MLTS Website", "MLTS: Signage and Wayfinding Program", etc. • UTAP (ADA) data collection and data development for MLTS infrastructure • GIS data source for all "MLTS: Signage and Wayfinding" maps • GIS data source for all maps on "MLTS Website" • Management of QR code program for "MLTS: Signage and Wayfinding" • Management of QR code program for "MLTS: Interpretive Signage Program" • Installation, collection and management of MLTS trail counter program and data • Coordination of QC efforts for "MLTS: Signage and Wayfinding" program • Ongoing delivery and coordination of all GIS data collection and data development efforts with agency partners (TOML + USFS)
461:MLTS Data Library		N8	Updates to GIC Database	GIS data base include GIC Points and is being maintained by the Town.
461:MLTS Data Library		N8	Updates to GIC Database	**GIC Database:** All changes to point-based geographic data within the extent of the Mammoth Lakes Trail System is being tracked by MLTPA and monitored for its possible implications to the GIC. While the incremental changes to the data set are being tracked and documented by MLTPA, a formal update to the GIC has not been published.
471:MLTS Interp		E4	Trails-Related Education Programs	FOI Lakes Basin Stewards program provides tour and interpretive information to users.

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471:MLTS Interp		E5	Trips for Kids	No work has been initiated in this area to date.
471:MLTS Interpretive		G04	Interpretive Signage	**Interpretive Program:** "Interpretive Services Planning: Opportunities for Interpretation along the Mammoth Lakes Trail System" report. Recommended by MLTS CC to the Recreation Commission and Town Council for adoption as part of the TSMP • Coordination and delivery to USFS of 3rd party photos for use on interpretive panels at Visitor Plaza and on MLTS interpretive panels funded by ARRA • Detailed QC and content notes on 8 "MLTS Interpretive Panels" by Fallon Multimedia for the USFS • "Mammoth Lakes Trail System: Interpretive Program": Development and presentation to USFS, TOML and ESIA staffs on the opportunities for technology in contemporary interpretation efforts and potential applications for the MLTS.
471:MLTS Interpretive		G04	Interpretive Signage	QR Code interface for enhanced interpretive content built and integrated into MLTS Website and MLTS Interpretive Panels
491:Photo Library		E1	Publish a Trail Guide for Mammoth Lakes	**Mammoth Lakes Trail System Photo Library:** 5,000 + RAW format (DNG) photos documenting the MLTS; Copyrighted for TOML; Keyworded with MLTS metadata; Named using standardized naming conventions • "Mammoth Lakes Trail System: Photo Library - September 2, 2012" – document detailing photo workflow and protocols for the following: "MLTPA Photo Library Workflow"; "MLTPA Photo Library: Expression Media Reader Workflow"; "SlideShow Pro Workflow"; "Holux Workflow"; "WordPress Workflow"; "Image Request"; "Model Release" • "Master Keywords" – Editable list of all keywords used in the Photo Library
511:SS Trail Maint		E6	Establish a Trail Patrol	FOI Lakes Basin Stewards and Summer of Stewardship programs are in place.

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611:Adopt A Trail		E6	Establish a Trail Patrol	**Adopt-A-Trail:** MLTPA coordinated with the Town to reinvigorate the Town's dormant Adopt-a-Trail program. Existing documentation for the Town's program was located and scanned and an inventory of the existing program was documented. Reestablishment of the program was phased to coincide with the new MLTS signage program's ability to extend recognition to Adopt-a-Trail partners and to conferring with the Inyo National Forest with regards to any constraints the agency may have for Adopt-a-Trail programs on federal land.
711:MLTS Marketing		G12	Coordination with local NGO's	**Mammoth Lakes Trail System Marketing:** "MLTS Flyer" – "One Sheet" documentation of Mammoth Lakes Trail System including inventory of facilities and proximity to regional attractions • "MLTS Logo + Brand Guidelines" – Logo and brand standards for the Mammoth Lakes Trail System logo and brand. Adopted by Town Council • Photographs and communications to KCET in Los Angeles re: Lakes Basin Path • "MLTS Grand Opening" – Coordination of partners, outreach, media, promotion and coordination of events for the celebration of MLTS ARRA projects and the grand opening of the Mammoth Lakes Trail System.
		B4	**Bike Routes: NOTE**	"Bike Route" is being eliminated as a category. Bike Routes will be incorporated into bike lanes where appropriate.
		G02	Updated Trail Maps	Trail Map: "Winter Recreation Map"- creation of master map file; printed and distributed by the Town