

RECOMMENDED ROADWAYS IN 2014 PROGRAM - AT RISK/HIGH TRAFFIC VOLUME/REGIONAL DESTINATION

ROADWAY	SUBAREA	SUBDIVISION	LENGTH (FT.)	ROADWAY PQI (2012)	FUNTIONAL CLASSIFICATION, SNOW REMOVAL PRIORITY	REASON FOR RECOMMENDATION	COMMENTS	INITIAL CORING/PAVEMENT SECTION	RECOMMENDED TREATMENT
Heatherwood Dr. (Loop)	7	Heatherwood	6481	4.1 - 6.6	Residential Collector, Snow Removal Priority 1	Traffic volumes are 2000 and 1300 vpd at north and south end of loop. Accesses schools and church. Risk of additional patching due to surface deterioration.	Carries significant traffic volumes. Previous chipseal surface has oxidized and is spalling in locations. Cracking is tight. Roadway provides exclusive access to subdivision. Some patching required.	Asphalt thickness 5.5" over 6" road base on south loop, 3.5" over 6" base course on north side of loop. Cracking observed 1"-2" below surface of pavement.	Recommend a mill and overlay to remove spalled surface treatment. Typical overlay cost increased due to wider street width.
Idylwild Trail	7	Gunbarrel Green	4658	4.3 - 4.5	Residential Collector, Snow Removal Priority 2	Traffic Volume is 1300 vpd at Lookout Road. Provides a connection from Lookout Road to Jay Road. Risk of additional patching and deterioration of subgrade.	Severe oxidation. Extensive cracksealing has been performed. Extensive alligator cracking but cracks are tight. Some areas have been overlaid/re-constructed.	Asphalt thickness 4" over 6" road base. A 2" asphalt lift was placed over a portion of road. Cracking observed to 3" below surface of pavement.	Recommend mill and overlay to remove oxidized surface pavement.
Golf Club Drive - Neva Rd. to golf course entrance.	3	North Rim	2820	2.6 - 3.7	Residential Collector, Snow Removal Priority 2	Relatively high traffic volume of 1200 vpd at Neva Road. Used for access to golf course. Risk of rapid deterioration due to extensive cracking.	Extensive longitudinal cracking and alligator crack patterns. Extensive settlement and previous patching.	Asphalt thickness 2.5" over 6" road base. Cracking extends through pavement thickness.	Recommend patching of areas of settlement. Recommend placement of paving fabric and 2" overlay.
Fairways Drive - Neva Rd. to golf course entrance.	3	Fairways Living	2910	4.4	Roadway providing access to regional destination, Snow Removal Priority 3	Traffic volume is 770 at Neva Road. Provides access to golf course. Risk of rapid deterioration due to surface cracking.	Extremely oxidized. Several patched areas and areas with alligator cracking and rutting. Short section has been overlaid. Observed extreme subgrade stability issues.	Asphalt thickness 3.75" over clay/sand/gravel subgrade. Cracking observed down 1.75".	Recommend patching of areas of settlement. Recommend placement of paving fabric and 2" overlay.
Westview Drive	10	Ridgelea Hills	4827	3.7 - 4.6	Residential Collector, Snow Removal Priority 2	Provides regional access from Arapahoe Road to Baseline Road. County Maintenance Division input.	Section of Westview Drive accessing church was recently paved and is in good condition. Normal transverse cracking and moderate oxidation. Minor patching will be required.	No cores taken.	Recommend overlay on non-completed section.
Carter Trail	7	Gunbarrel Green	4917	3.7 - 6.4	Residential Collector, Snow Removal Priority 2	Traffic volume is 1200 vpd at Jay Road. Provides regional access from Lookout Road to Jay Road. Risk of deterioration due to thin pavement section.	Severe oxidation. Significant cracking but cracks are tight. No differential movement or rutting observed. Minor patching required.	Asphalt thickness 2" over 6" base course. Cracking observed through pavement.	Recommend edge mill and overlay with paving fabric to increase pavement structure.
Twin Lakes Road	7	Twin Lakes	4900	3.2 - 6.4	Residential Collector, Snow Removal Priority 2	Traffic volume is 2200 vpd east of 63rd St. Risk of deterioration due to thin pavement section.	Carries significant traffic volume. Has severe oxidation and some rideability issues. Some cracksealing has been performed. Cracking is tight and no differential settlement noticed.	Asphalt thickness 2"-3" over 6" base course. Cracking through total thickness of pavement.	Recommend edge mill, paving fabric and overlay to increase pavement structure.
Clubhouse Road	7	Fountain Greens	2793	5	Residential Collector, Snow Removal Priority 2	Provides regional access to Boulder Country Club. Risk of rapid deterioration due to thin pavement section.	Has had skin patching and application of surface treatment. Some minor cracking and ravelling next to curb and gutter.	Asphalt thickness 1.5" over 6" base course. Cracking observed throughout section.	Recommend edge mill/edge patch and paving fabric and overlay to increase pavement structure.

Longview Drive - Niwot Road to Somerset	6	Somerset Estates	3111	4.5 - 6.3	Residential Collector, Snow Removal Priority 2	Provides regional access from Niwot road to SH 52.	Extensive cracksealing has been done. Surface is badly oxidized, however, cracks are moderately tight. No settlement or alligator cracking was noticed.	Asphalt thickness 2.5" over 6" base course. Cracking observed from top down 1"-2".	Recommend patching of areas of settlement. Recommend mill and overlay.
Linden Drive - Beginning of County maintenance to loop	2	Pine Brook Hills	6878	3.1 - 4.7	Residential Collector, Snow Removal Priority 2	Traffic volume is 1400 vpd at County boundary. Risk of additional patching necessary to maintain surface.	Significant patching required to address subgrade failures. Rutting and alligatored areas prevalent. Delay may increase patching quantities and move into re-build category.	Asphalt thickness on east end of road 5.5" over clay/gravel subgrade. Asphalt thickness 2.5" over sand/gravel. Cracking observed down 3"-4".	Recommend re-construction due to amount of patching required.

RECOMMENDED TO MEET GOAL OF ADDRESSING "WORST-FIRST" ROADWAYS

ROADWAY	SUBAREA	SUBDIVISION	LENGTH (MI.)	ROADWAY PQI (2012)	FUNTIONAL CLASSIFICATION, SNOW REMOVAL PRIORITY	REASON FOR RECOMMENDATION	COMMENTS	INITIAL CORING/PAVEMENT SECTION	RECOMMENDED TREATMENT
Arlington/Columbia Place/Frontage Road Connection	10	Paul Nor Estates	3690	2.6 - 4.1	Local, Snow Removal Priority 3	Roadways provide local access for subdivision. Addresses need to consider worst-condition roadways.	Severe alligator cracking. Portion of road has been overlaid. Cracks have reflected through pavement.	Asphalt thickness 2.5" over 6" road base. On Arlington cracking observed throughout pavement.	Recommend re-construction due to amount of patching required. Further evaluation needs to be performed on the Frontage Rd. to determine pavement section.
Golf Club Drive -Golf course entrance to Niblick.	3	North Rim	1724	2.6 - 3.7	Residential Collector, Snow Removal Priority 2	Relatively high traffic volume. Risk of total re-construction if not addressed.	Extensive longitudinal cracking and alligator crack patterns. Extensive settlement and previous patching.	Asphalt thickness 2.5" over 6" road base. Cracking extends through pavement thickness.	Recommend patching of areas of settlement. Recommend placement of paving fabric and overlay.
Plateau Road	4	Boulder Hills	2793	2.9	Local, Snow Removal Priority 2	Low PQI. Roadway provides primary access to Boulder Hills Subdivision.	Severe alligator cracking and subgrade settlement.	No cores taken.	Recommend re-construction due to amount of patching required.
Barcelona Drive	10	Spanish Hills	2449	3.5	Roadway providing access to regional destination, Snow Removal Priority 3	Low PQI. Traffic volume is relatively high (890 vpd). Accesses a church approx. 500 feet from S. Boulder Road.	Severe alligator cracking in places. Severe edge cracking.	No cores taken.	Re-construction probable due to PQI. Additional cores needed to evaluate treatment if selected for 2014.
Fairways Drive - Golf course entrance to Niblick.	3	Fairways Living	2450	4.4	Roadway providing access to regional destination, Snow Removal Priority 3	Traffic volume is relatively high. Risk of total re-construction if not addressed.	Extremely oxidized. Several patched areas and areas with alligator cracking and rutting. Short section has been overlaid. Observed extreme subgrade stability issues.	Asphalt thickness 3.75" over clay/sand/gravel subgrade. Cracking observed down 1.75".	Recommend patching of areas of settlement. Recommend placement of paving fabric and overlay.
Linden Drive - Loop	2	Pine Brook Hills	5792	3.1-4.7	Residential collector, Snow Removal Priority 2	Low PQI. Roadway provides access to other local roads within subdivision.	Significant patching to address subgrade failures. Rutting and alligatored areas are prevalent. Delay may increase patching quantities.	Asphalt thickness 2.5" over gravel/sand base. Cracking observed throughout pavement section.	Recommend re-construction due to amount of patching required.

RECOMMENDED FOR INCLUSION IN 2014 IF FUNDS ARE AVAILABLE

ROADWAY	SUBAREA	SUBDIVISION	LENGTH (MI.)	ROADWAY PQI (2012)	FUNTIONAL CLASSIFICATION, SNOW REMOVAL PRIORITY	REASON FOR RECOMMENDATION	COMMENTS	INITIAL CORING/PAVEMENT SECTION	RECOMMENDED TREATMENT
N. 66th Street	12	Spring Lake Heights	1954	3.8	Local, Snow Removal Priority 2	Adding structural integrity will reduce potential for futute re-construction	A thin overlay or double chipseal applied over gravel. A crown is needed in road to improve drainage and extend pavement life.	No cores taken.	Recommend that an overlay be applied to improve drainage and provide structural support to road.
Boulder Hills Drive	4	Boulder Hills	3716	4.0 - 4.3	Local, Snow Removal Priority 2	Adding structural integrity will reduce potential for futute re-construction	Approximately 0.4 mi. has been overlaid or re-constructed. Cracking has reflected through overlay in places.	No cores taken	Evaluate patching and overlay vs. re-construction. Obvious subgrade issues are present. Re-const. used in cost estimate.
Flatiron Drive	9	Brownsville	6585	4.2 - 5.8	Local, Snow Removal Priority 2	Adding structural integrity will reduce potential for futute re-construction	Large patches exist. There is significant cracking. Alligator cracking noticed in several areas but cracks are tight and no significant settlement was noticed.	Asphalt thickness 2" over 6" road base.	Recommend patching, paving fabric and overlay.
Stoney Dr.	9	Brownsville	932	3.5	Local, Snow Removal Priority 2	Adding structural integrity will reduce potential for futute re-construction	Edge cracking was observed indicating thin pavement section. Pavement had been patched in several areas.	No cores taken.	Recommend patching, paving fabric and overlay.
Billings Ave.	9	Brownsville	4959	4.1 - 4.7	Local, Snow Removal Priority 2	Adding structural integrity will reduce potential for futute re-construction	Large patches were observed along with significant edge cracking. Indicates pavement section needs to be increased.	No cores taken.	Recommend patching, paving fabric and overlay.
Longhorn Dr.	9	Brownsville	1236	6.6	Local, Snow Removal Priority 2	Adding structural integrity will reduce potential for futute re-construction	Transverse cracking.	No cores taken.	Recommend patching, paving fabric and overlay.
Frailey Dr.	9	Brownsville	868	5.5	Local secondary, Snow Removal Priority 2	Adding structural integrity will reduce potential for futute re-construction	Edge cracking was observed indicating thin pavement section.	No cores taken.	Recommend patching, paving fabric and overlay.

Deertrail Road - Lee Road to Brook Rd.	1	Boulder Hts.	3640	4.2 - 5.1	Local, Snow Removal Priority 1	Traffic volume is 870 vpd at Lee Road. Asphalt repairs at shoulder needed due to safety considerations.	Significant oxidation and alligator cracking. Some areas have been skin patched but no rutting and little settlement noticed.	Asphalt thickness 3"-3.5" over sandy clay. Cracking observed throughout pavement section.	Recommend re-construction due to amount of patching required.
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NOT RECOMMENDED IN 2014

ROADWAY	SUBAREA	SUBDIVISION	LENGTH (MI.)	ROADWAY PQI (2012)	FUNTIONAL CLASSIFICATION, SNOW REMOVAL PRIORITY	REASON FOR RECOMMENDATION	COMMENTS	INITIAL CORING/PAVEMENT SECTION	RECOMMENDED TREATMENT
Marathon Rd./Morton Rd./Walker Ave./Walker Dr.	6	Morton Heights	5016	5.6-7.0	Roadway providing access to regional destination, Snow Removal Priority 3	Candidates for chipseal surface treatment with other roads in subdivision.	Streets provide access to elementary school. Streets are badly oxidized but no settlement was observed. Extensive cracksealing has been performed.	Asphalt thickness on Walker Rd. was 5.5" over road base.	Recommend a surface treatment.
Somerset Drive	6	Somerset Estates	3123	3.9 - 6.2	Residential Collector, Snow Removal Priority 2	Candidate for chipseal surface treatment with other roads in subdivision.	Has transverse cracking and some longitudinal cracking. Badly oxidized. Cracksealing has been performed.	Asphalt thickness 3.5" over 6" road base.	Recommend a surface treatment.
Stillwater Way	9	Stonehenge	666	5.8	Local secondary, Snow Removal Priority 2	Rehabilitation not required at this time. Does not provide regional access.	No severe cracking or settlement noticed.	No core information obtained	Recommend future overlay.
Stonehenge Cir.	9	Stonehenge	2003	4.9	Local, Snow Removal Priority 2	Rehabilitation not required at this time. Does not provide regional access.	No severe cracking or settlement noticed.	No core information obtained	Recommend future overlay.
Stonehenge Dr.	9	Stonehenge	2038	4.9	Local, Snow Removal Priority 2	Rehabilitation not required at this time.	No severe cracking or settlement noticed. Church entrance is located on Stonehenge approximately 300' from intersection.	No core information obtained	Recommend future overlay.
Summit Pl.	9	Stonehenge	778	4.9	Roadway providing access to regional destination, Snow Removal Priority 3	Rehabilitation not required at this time. Does not provide regional access.	No severe cracking or settlement noticed. A chipseal was placed on road in past.	No core information obtained	Recommend future overlay.
Salisbury Ct.	9	Stonehenge	440	5.4	Local secondary, Snow Removal Priority 2	Rehabilitation not required at this time. Does not provide regional access.	No severe cracking or settlement noticed.	No core information obtained	Recommend future overlay.
Reserve Drive	10	Sombrero Ranch	2372	5.8	Residential Collector, Snow Removal Priority 2	Does not provide regional access.	Pavement is oxidized. Random cracking and moderate alligator cracking observed.	No core information obtained	Future mill and overlay recommended.
Camp Eden Road	11	Kuhlmann Heights	6441	8 - 8.1	Local, Snow Removal Priority 2	PQI indicates no rehabilitation necessary.	Recent pavement.	No core information obtained	Future surface treatment recommended
Palo Parkway - 28th St. to 30th St.	8	Palo Park	507	7.2	Residential Collector, Snow Removal Priority 2	Rehabilitation not required at this time.	Surface condition in good condition.	No core information obtained	Future chipseal recommended.
N. 30th Street - Palo Parkway to Jay	8	Palo Park	2758	5.4	Residential Collector, Snow Removal Priority 2	Rehabilitation not required at this time.	Surface condition in good condition.	No core information obtained	Future chipseal recommended.

30th Street - N. of Jay	8	Orange Orchard	1125	4.0 - 6.9	Residential Collector, Snow Removal Priority 3	Rehabilitation not required at this time.	Surface condition in good condition.	No core information obtained	Future overlay recommended.
Kalua Road	7	Twin Lakes	1815	6.8	Residential Collector, Snow Removal Priority 2	Does not provide regional access.	Severe oxidation. Significant cracking but cracks are tight. No differential movement or rutting observed.	No core information obtained	Chipseal recommended.
Cambridge Street	7	Heatherwood	1728	2.7	Roadway providing access to regional destination, Snow Removal Priority 3	Low volume of traffic. Total rehabilitation necessary but pavement is serviceable.	Extreme alligator cracking, however, asphalt is not potholing. Access to church is close to corner. Appears to be low volume traffic.	No core information obtained	Re-build in future.
Ashfield Drive	7	Heatherwood	2411	6	Local, Snow Removal Priority 2	Does not provide regional access.	Extensive oxidation. Has not had a surface treatment. Has transverse cracking that needs to be sealed.	No core information obtained	Provide future surface treatment.
Old Mill Trail (Loop)	7	Gunbarrel Green	2075	6.7	Roadway providing access to regional destination, Snow Removal Priority 3	Rehabilitation not required at this time.	Minor oxidation and cracking. Provides access to church. Access point is approx. 500' from intersection.	No core information obtained	Place on future surface preservation program.
Anhawa Avenue	5	Anhawa Manor	2235	6.9	Roadway providing access to regional destination, Snow Removal Priority 3	Traffic volumes low. Does not provide regional access.	Pavement is in reasonably good condition but appears to be thin section. Determine pavement thickness and monitor.	No core information obtained	Recommend a future overlay to provide structural integrity.
Anhawa Street	5	Anhawa Manor	2386	6.2	Roadway providing access to regional destination, Snow Removal Priority 3	Traffic volumes low. Does not provide regional access.	Pavement is in reasonably good condition but appears to be thin section. Determine pavement thickness and monitor.	No core information obtained	Monitor condition. Recommend a future overlay to provide structural integrity.
Hill Crest Drive	5	Willis Heights	3531	4	Local, Snow Removal Priority 3	Traffic volumes low. Does not provide regional access.	Has some settlement. Some patching is needed. Has oxidized surface.	No core information obtained	Recommend a future mill and overlay to provide structural integrity.
Park Ridge Avenue	5	Willis Heights	1626	4.5	Roadway providing access to regional destination, Snow Removal Priority 3	Church is located at intersection. Traffic volume is low.	Church is located close to corner and is accessed via Park Ridge. Badly oxidized and has had a previous chipseal.	No core information obtained	Recommend a future mill and overlay to provide structural integrity.
Longview Drive - North of Niwot Road	6	Waterford	2376	5.1	Residential Collector, Snow Removal Priority 2	Rehabilitation not currently needed for surface treatment. Overlay required to improve ride quality.	Extensive street cuts were made for utility installations. Existing cracks have opened up and have differential settlement. They will have to be aggressively addressed. Rideability is poor.	No core information obtained	A future mill and overlay is recommended to address rideability.
Meadow Lake Road - East of 79th	6	Heather Hills	1754	6.7	Local, Snow Removal Priority 2	Rehabilitation not currently needed.	Has had recent surface treatment.	No core information obtained	Recommend overlay in future year.