

**WYOMING DEPARTMENT OF TRANSPORTATION (WYDOT)**  
**LONG RANGE EQUIPMENT PLAN (LREP)**

INTRODUCTION

Early in 2014, a topic of discussion was brought up at the District equipment supervisor's meeting regarding the preparation of budgets for equipment, especially higher cost equipment that needed to be replaced as budgets in the department were shrinking. In the past, some WYDOT fleet equipment had been purchased based on short-term anticipated needs (chip seal for example) and then not fully utilized. A long term plan for the acquisition of equipment based on criteria mutually established by the Equipment Office and the Districts would ensure more cost effective purchases and then greater usage of the equipment purchased.

Key elements of the long range equipment plan would include:

1. Establish a committee that would represent a cross section of WYDOT equipment users in Headquarters and all five Districts.
2. Establish criteria for purchasing equipment developed by the committee.
3. Pursue alternative purchasing options (lease, rent, buyback, etc.)
4. Consider sharing equipment between Districts and crews.
5. Explore funding methods for equipment purchases.
6. Prepare a summary report for Executive Staff.
7. Once approved, implement the plan statewide within WYDOT.
8. Review LREP every 3 to 5 years.

It was suggested at one point that the Department consider hiring a consultant to study and prepare a long range equipment plan. It was decided to establish a committee within the Department, gather information and data regarding current equipment and future equipment needs, evaluate it and then prepare a report much the same as a consultant would do. This would save the department thousands of dollars in consulting fees that could be used for other purposes.

LONG RANGE EQUIPMENT COMMITTEE

A Long Range Equipment Committee was established and consists of the following members:

1. State Equipment Manager and Asst. State Equipment Manager
2. One District Engineer
3. State Maintenance Engineer
4. Five District Equipment Supervisors (DES), one from each District
5. Three District Maintenance Engineers
6. Two from Headquarters programs (WHP and Materials Lab)

After the first several meetings, it was decided that representatives from each District and Headquarters would look at their respective equipment fleets and report to the committee on the following criteria:

1. Identify District equipment essential to performing WYDOT day-to-day tasks.
2. Identify District total pieces of equipment by class and prioritize by tasks performed.
3. Identify Headquarters equipment by program essential to performing WYDOT day-to-day tasks.
4. Identify Headquarters total numbers of equipment by class (Geology, Facility Maintenance, ITS, IT, Telecomm, Bridge, Traffic, etc.) and prioritize by task performed.
5. Review current fleet size and usage by class by District and Headquarters.
6. Review current snow removal plan.
7. Investigate how WHP develops their equipment plan.
8. Investigate and review information from other States.

PROCESS FOR EQUIPMENT REPLACEMENT

After evaluating the data, it was necessary to define the criteria and procedure for equipment replacement for use by the Equipment office and the Districts when preparing the annual equipment replacement budget.

Each District, including Headquarters, would prepare a list of equipment for replacement based on the following criteria. When a piece of equipment is within 85%-90% of the expected life chart criteria (Attachment A), that piece of equipment should be put on the next year's request for replacement. If a piece of equipment has high repair costs that will exceed the value of the equipment, it may be added to the list before it meets the expected life chart. After a piece of equipment is put onto the list, it is evaluated on its need to perform one of WYDOT's priority functions (if the piece is used for multiple functions, the highest priority function will be used). The piece will also be rated for importance and frequency of use, and an overall rating will be used to determine which equipment will be purchased as the current budget allows. The Equipment Office and District Equipment Supervisors will meet each year to determine what will be purchased for the upcoming fiscal year. Exceptions may be made as deemed necessary by Executive Staff.

1. Equipment age and or miles/hours. (meets expected life chart by class criteria).
2. Performs high priority WYDOT functions.
3. Importance of equipment to perform these high priority functions
4. Frequency of equipment use.
5. Vehicles or equipment whose repairs cost exceed reasonable value of equipment.
6. Political/environmental impacts i.e. compressed natural gas vehicles.
7. Other

The committee developed a rating system to prioritize the equipment in three areas – priority function rating, importance and frequency of use (Attachment B).

**Priority function rating:** Priority function ratings will be defined as the most important to least important operational functions of the Department to perform its overall mission:

**High Priority Rating**

**S** - Snow removal

**H** - Highway Patrol

**P** - Paving/surfacing/chip sealing

**T** - Traffic/stripping

**D** – Drilling/Geology

**F** – Foreman trucks, guard rail, emergency response equipment (light plants, emergency trailers, etc.)

**B** – Bridge/ under bridge inspection unit

**L** - Lab, Construction, inspection equipment and vehicles

**R** – Radio/snow cat

**M**- Mowing

**G**- General

**Low Priority Rating**

**Importance:** Equipment importance will be defined as the importance of the equipment to the operator/end user in performing the priority job functions. The following ratings will be used:

1. Most important
2. Very important
3. Important
4. Somewhat important
5. Least important

**Frequency of use:** Frequency of use will be defined as the amount of time that a piece of equipment is needed to perform the operator's priority job functions. The following ratings will be used:

- A.** Always used (9-12 months)
- B.** Often used (6-9 months)
- C.** Sometimes used (3-6 months)
- D.** Rarely used (less than 3 months)

The committee established (S) snow removal as the highest priority rating in the department. Wyoming Highway Patrol (H) law enforcement vehicles also rate among the highest priority. Mowing equipment would represent a lower priority. All other equipment not defined will be given a (G) general designation and will be considered the lowest priority. The importance of a piece of equipment is also determined by the political ramifications of a task not being able to be performed if the equipment is not available for use.

For example, an 8 yd. truck would rate as S1A as it is the highest priority function, the most important piece of equipment in the fleet and used almost every day. By contrast, a 15 ft. rotary mower would have a rating of M4D as it has a low priority function and used infrequently.

Even though a rating has been given to a piece of equipment for replacement, the Equipment Office and DESs will make the final determination of which pieces of equipment will be replaced based on the budget available. The Equipment Office and DESs will use all information available, such as but not

limited to - expected life criteria (Attachment A), priority rating (Attachment B), repair costs, political/environmental impacts, etc. in making these equipment replacement determinations.

### ALTERNATIVE PURCHASING METHODS

Various methods of purchasing equipment will be reviewed to ensure maximization of the department's budget purchasing power. Some of these methods include:

#### **Guaranteed Buyback**

WYDOT began purchasing equipment with a guaranteed buyback option in fiscal year 2000. Over the years, the program has proven to be very successful with hundreds of pieces of equipment purchased this way. Some of the benefits the department has seen using the buyback method of purchasing include:

1. Low cost of ownership over the buyback period (normally 3 years).
2. After initial buyback purchase of the machine, replacement cost is greatly reduced.
3. Residual cash flow each year from buyback vendors.
4. Full warranty over the buyback period (covers everything but regularly scheduled preventative maintenance).

#### **Equipment rentals**

Traditionally within WYDOT, equipment rentals have been managed and funded through the Maintenance Program when needed. Some seasonal leasing of mowing tractors has taken place depending on availability of the equipment. Maintenance has also rented backhoes, man lifts, lighting generators, etc. in the past. Renting equipment is dependent on availability of that piece of equipment in that area.

#### **Equipment leasing**

WYDOT has leased wheel loaders in the past. For several winter seasons, two loaders were leased for a 6 month period. After comparing the lease pricing with the buyback options available, it was decided to convert these leases to buybacks. Leasing will continue to be a viable option and will be evaluated against outright purchase and guaranteed buybacks to ensure the most equitable method of obtaining the equipment.

### WYDOT EQUIPMENT REPLACEMENT PHILOSOPHIES

#### **Hot Plant/Paving Operations**

In 2000, WYDOT purchased an ADM hot mix plant capable of producing 160 tons per hour. It has served the department well but does require extensive preventative maintenance to keep up the overall performance of the plant. Executive Staff has made the determination that this hot plant will not be replaced with a new one so appropriate budgeting will have to be done to do necessary repairs and maintenance to keep it in good working order as long as possible.

WYDOT continues to perform paving and patching operations in several districts each year. In those districts that have limited access to a commercial hot mix facility, the WYDOT hot plant has been a valuable asset to the overall operation. The committee has determined that each District will determine whether or not they will own paving equipment. If it is determined by a district to continue with paving operations, evaluations of the best purchasing alternative (outright purchase, lease, rent) will need to occur in order to maximize the purchasing power of the equipment budget.



**Chip Seal Operations**

Two WYDOT Districts continue to perform chip seal operations. Three of the districts determined they would not continue with chip seals. At that time, three relatively new chip seal machines and several pneumatic rollers were sold at auction. The committee has determined that each District will determine whether or not they will perform chip seal operations and own chipping equipment based on availability of state funding.

**Replacing high dollar equipment**

When a district determines that it will need to replace a high dollar value piece of equipment such as a paving machine or a rotary snow blower, it may have to forego purchasing higher priority equipment such as an 8 yd. truck to have the funds to purchase the equipment. Also, it may involve the other districts relinquishing some of their funds to help purchase the needed equipment for that particular District.

These decisions will be handled by the Equipment Office and DESs when they meet each year to determine what equipment will be purchased for that particular fiscal year.

**Unused Equipment Budget**

If at the end of the current fiscal year there is a remaining balance in the equipment budget, it will be determined by the Equipment Manager with the approval of the Field Operations Engineer and Executive Staff to purchase additional equipment based on the LREP and/or WYDOT needs.

**Reviewing the Long Range Plan**

At a minimum, the LREP should be reviewed and updated every 3 to 5 years. There may be some instances when the plan may have to be changed sooner than 3 years based on technology changes and directions from Executive Staff. The State Equipment Office in consultation with the District DESs will determine when this review and update will occur by convening the Long Range Equipment Committee.

## ATTACHMENT A

## EQUIPMENT EXPECTED LIFE CHART BY CLASS

30-Apr-14

		CURRENT		CURRENT		CURRENT		
		EXPECTED	EXP MILES	EXPECTED	EXPECTED	EXPECTED		
CLASS	DESCRIPTION	MILES	DIESEL	HOURS	YEARS	COMMENTS		
AC	Patrol Vehicle	120,000			7 to 10			
AE	Mid size sedan	160,000			12 to 15			
AL	Full size sedan	160,000			12 to 15			
BA	Van, minivan, utility	160,000			12 to 15			
BC	4WD utility vehicle	160,000			12 to 15			
BE	1/2 ton 2WD reg cab pickup	160,000			12 to 15			
BJ	1/2 ton 4WD ext cab pickup	160,000			12 to 15			
BK	1/2 ton 2WD ext cab pickup	160,000			12 to 15			
BM	3/4 ton pickup	160,000			12 to 15			
BN	Crew cab pickup with body	160,000			12 to 15			
BP	4WD pickup with body	160,000	200,000		12 to 15			
BT	Dual rear wheel pickup	160,000	200,000		12 to 15			
BU	One ton dump truck	160,000			12 to 15			
CB	Single axle dump truck	200,000		7K to 10K	12 to 15			
CE	Tandem axle dump truck	350,000		10K to 15K	12 to 15			
CL	Stakebed truck	200,000		7K to 10K	12 to 15			
CP	Single axle tractor	200,000		10,000	12 to 15			
CU	Tandem axle tractor	350,000		15,000	12 to 15			
DB	Lift truck	200,000		7K to 12K	7 to 10	Lift may be reused.		
DD	Bridge inspection truck			5K to 10K	Up to 20			
DG	Digger derrick truck	200,000		8K to 12K	Up to 15			
DJ	Distributor truck			6K to 8K	Up to 25			
DL	Striper truck			8K to 12K	Up to 15			
DQ	Geology Truck			8K to 12K	Up to 20			
EB	3 yard loader			8K to 10K	Up to 20			
ED	4 yard loader			8K to 10K	Up to 20			
EJ	Motor grader			4K to 7K	Up to 25			
EN	Small dozer			6K to 9K	Up to 30			



## EQUIPMENT EXPECTED LIFE CHART BY CLASS (cont.)

30-Apr-14

		CURRENT	CURRENT	CURRENT	CURRENT	
CLASS	DESCRIPTION	EXPECTED MILES	EXP MILES DIESEL	EXPECTED HOURS	EXPECTED YEARS	COMMENTS
EQ	Dozer			6K to 9K	Up to 30	
EU	Backhoe			4K to 7K	Up to 20	
JB	Roller			4K to 7K	Up to 20	
JE	Pickup sweeper			4K to 7K	Up to 20	
JK	Self propelled broom			3K to 6K	Up to 20	
JN	Mower tractor			3K to 7K	Up to 25	
JU	Rotary snow blower				30 to 40	
KB	ATV mounted drill				Up to 20	
KE	Forklift				30 to 40	
KK	Paver			3K to 7K	Up to 20	
KQ	Chip Spreader			2K to 4K	20 to 30	
KU	Snow machine					
LD	Hot plant					
LL	Loader mounted rotary				30 to 40	
LQ	Air compressor				Up to 30	
MB	Core drill				Up to 40	
MD	Concrete saw					
MJ	Tow sweeper			5,000	20 to 30	
ML	Culver flusher					
MN	Sign washer					
MQ	Tarpot					
MU	Slip-in tarpot					
ND	Spray injection patching machine					
NG	Hand asphalt grinder					
NK	Rotary Mower					
NN	Hand stripper					
NQ	Tow roller					
NU	Truck mounted sweeper					



**ATTACHMENT B**

Totals	Dist 0			Admin			Const.			Maint.			Equip.			Traffic		
	Priority Rating	Importance	Frequency	Priority Rating	Importance	Frequency	Priority Rating	Importance	Frequency	Priority Rating	Importance	Frequency	Priority Rating	Importance	Frequency	Priority Rating	Importance	Frequency
EQUIPMENT CLASS CODE																		
AC Patrol Car	H	1	A															
AE Intermediate sedan	G	1	B	G	3	D												
AL Sedan	G	1	B	G	1	A	G	1	A	G	3	A	G	1	A	G	1	A
AT All Terrain Vehicle	X	X								X	X							
BA Window Van	L	1	A	G	1	B	G	1	C	G	4	B				G	1	B
BC AWD Suburban				G	1	A	L	1	B	X	X							
BE Pool Pickup							L	1	C	G	2	B						
BJ Foreman Pickup	L	1	A				F	1	A	F	1	A	F	S	A	T	1	A
BK Construction Pickup	L	1	A				L	1	A	F	1	A	F	2	A	T	1	A
BM 3/4 Ton Pickup	L	1	A				F	1	A	F	1	A	F	2	A	T	1	A
BN Crewcab/Utility	L	1	A				F	1	B	F	1	A	F	1	A	T	1	A
BP AWD Pickup	L	1	A				F	1	A	F	1	A	F	1	A	T	1	A
BT 1 Ton Stakebed	L	1	A							F	1	A	F	1	A	T	1	A
BU 1 Ton Dump Truck	L	2	B							F	1	A						
BW Misc. Mile (Fed)	L	1	A															
CB Single Axle Dump Truck										S	1	B						
CE Tandem Axle Dump Truck	S	2	D							S	1	A				T	1	B
CL Single Axle Stakebed	G	1	A							F	1	A				T	1	B
CP Single Axle Tractor										X	X							
CU Tandem Axle Tractor	G	1	A							S	1	A						
DB Crane	G	1	A							F	1	A				T	1	A
DD Snooper	B	1	C							B	1	D						
DG Digger Derrick																T	1	A
DJ Distributor										P	1	C						
DL Striper																T	1	B
DQ Geology Truck	D	1	A															
EB 2 Yard Loader	S	2	B							S	1	B						
ED 3 1/2 Yard Loader										S	1	B						
EJ Large Motorgrader										S	1	C						
EN Small Crawler Tractor										X	X							
EQ Crawler Tractor										S	3	C						
EU Backhoe	D	2	C							G	2	C						
GM Natural Gas Pickup	S	1	A				F	1	A									
JB Roller										P	2	C						
JE Pickup Sweeper										G	3	C						



Totals	Dist 0			Admin			Const.			Maint.			Equip.			Traffic		
	Priority Rating	Importance	Frequency	Priority Rating	Importance	Frequency	Priority Rating	Importance	Frequency	Priority Rating	Importance	Frequency	Priority Rating	Importance	Frequency	Priority Rating	Importance	Frequency
EQUIPMENT CLASS CODE																		
JN Mower Tractor	M	2	B							M	3	C						
JQ Flail Mower										M	X							
JU Rotary Plow										S	1	D						
KB ATV Drill	D	1	A															
KE Forklift/Crane	G	2	B							G	4	C	G	3	B			
KK Laydown Machine										P	2	C						
KQ Chip Spreader										P	2	D						
KU Snow Machine	F	2	C															
LD Hot Plant										P	2	C						
LL Loader Mounted Rotary										S	1	D						
LM Shoulder Widener										G	5	D						
LQ Compressor										G	4	D				G	4	C
LS Stacker Unit										G	4	D						
MB Core Drill	L	3	D				G	5	D									
MD Concrete Saw	L	3	C							X	X					X	X	
MJ Tow Sweeper										P	3	D						
ML Culvert Flusher										S	1	C						
MN Sign Washer	G	3	D							G	4	D						
MQ Tarpot										P	2	D						
MU Slip-in Tarpot																		
ND McConnoughey Mixer										X	2	B						
NG Hand Asphalt Grinder																X	X	
NK Rotary Mower										M	3	C						
NN Hand Striper																X	X	
NQ Roller										G	5	D						
NU Sweeper Attachments										G	5	D						
PB One Way Plow										S	1	D						
PD Hand Reverse Plow	S	2	D							S	1	C						
PK Power Reverse Plow	S	2	D							S	1	C						
PN Vee Plow										S	1	D						
PQ Wing Plow										S	1	C	X	X				
PT Deicer Tank										S	1	C						
PU Spreader	S	2	D							S	1	C						
TA Attenuator Trailer	X	X								X	X					X	X	
TD Dump Trailer										X	X							
TG Gen Set Light Trailer										X	X							



Totals	Dist 0			Admin			Const.			Maint.			Equip.			Traffic		
	Priority Rating	Importance	Frequency	Priority Rating	Importance	Frequency	Priority Rating	Importance	Frequency	Priority Rating	Importance	Frequency	Priority Rating	Importance	Frequency	Priority Rating	Importance	Frequency
EQUIPMENT CLASS CODE																		
TN Tank Trailer										S	1	C						
TP Tow Plow										S	1	C						
TR Radio Trailer										X	X							
TS Speed Monitor Trailer				X	X													
TT Tilt Trailer										P	1	B						
TU Utility Trailer	X	X								X	X		X	X		X	X	
XD Pug Vehicle										X	X							
XM Tank Heater										X	X							
YY Arrow Board	X	X					X	X		X	X					X	X	
Totals																		

#### Priority rating

S - Snow removal

H - Highway Patrol

P - Paving / Surfacing

C - Chip sealing

T - Traffic / Striping

D - Drilling (Geology)

F - Foremans trucks, guard rail, emergency response equipment(light plants,emergency trailers,ect.)

B - Bridge/under bridge inspection unit

L - Lab, Construction, inspection equipment

R - Radio- snow cat

M - Mowing

G - General

#### Importance

1 - Most important

2 - Very important

3- Important

4- Somewhat important

5- Least

X- not rated

#### Frequency of use

A- Always (9-12 months use)

B- Often (6-9 months use)

C- Sometimes (3-6 months use)

D- Rarely (less than 3 months use)

Dist 0	Director																		Aeronautics				Highway Patrol				Chief Engineer				Asst Chief Eng- Planning				Asst Chief Eng- Operations				Support Services			
Program #	Totals																																									
	Priority Rating	Importance	Frequency	Current	Critical	Priority	Current	Critical	Priority	Current	Critical	Priority	Current	Critical	Priority	Current	Critical	Priority	Current	Critical	Priority	Current	Critical	Priority	Current	Critical	Priority	Current	Critical	Priority	Current	Critical										
Total Numbers						5	2		21	5		230	220		65	56		86	77		81	70		33	33																	
EQUIPMENT CLASS CODE																																										
AC Patrol Car	H	1	A	230	220							1	230	220																												
AE Intermediate Sedan	G	1	B	10	7	2	1	0							1	5	4	1	3	2							1	1	1													
AL Sedan	G	1	B	48	32	1	2	1	2	14	3				1	6	6	1	13	11	2	4	2	1	9	9																
AT All Terrain Vehicle	X	X		5	4										1	3	2				2	2	2																			
BA Window Van		1	A	33	27				3	2	0				1	4	3	1	6	4	1	9	8	1	12	12																
BC AWD Suburban	X	X		24	19	1	2	1	1	3	2				1	5	4	1	4	4	1	3	1	1	7	7																
BJ Foreman Pickup		1	A	9	9										1	3	3	1	4	4	1	1	1	1	1	1																
BK Construction Pickup		1	A	3	3										1	3	3																									
BM 3/4 Ton Pickup		1	A	4	4										1	1	1	1	3	3																						
BN Crewcab/Utility		1	A	12	11										1	1	1	1	10	9	1	1	1																			
BP AWD Pickup		1	A	46	43										1	3	3	1	17	16	1	26	24																			
BT 1 Ton Stakebed		1	A	4	4													1	3	3	1	1	1																			
BU 1 Ton Dump Truck		2	B	2	1				4	1	0				1	1	1																									
BW Misc. Mile. (Fed)		1	A	2	2													1	1	1	1	1	1																			
CE Tandem Axle Dump Truck		2	D	2	2										1	2	2																									
CL Single Axle Stakebed		1	A	2	2													1	1	1						1	1	1														
CU Tandem Axle Tractor		1	A	3	3										1	1	1	1	2	2							1	1	1													
DB Crane		1	A	4	4																1	4	4																			
DD Snooper		1	C	1	1										1	1	1																									
DQ Geology Truck		1	A	5	5													1	5	5																						
EB 2 Yard Loader		2	B	2	2										2	2	2																									
EU Backhoe		2	C	3	3										2	1	1	1	2	2																						
GM 3/4 Ton Natural Gas Pickup		1	A	1	1										1	1	1																									
JN Mower Tractor		2	B	4	4										2	4	4																									
KB ATV Drill		1	A	1	1													1	1	1																						
KE Forklift/Crane		2	B	5	5										2	1	1				2	2	2	2	2	2	2															
KU Snow Machine		2	C	5	5																2	5	5																			
MB Core Drill		3	D	2	1													3	2	1																						
MD Concrete Saw		3	C	1	0																3	1	0																			
MN Sign Washer		3	D	1	1										3	1	1																									
PD Hand Reverse Plow		2	D	1	1										3	1	1																									
PK Power Reverse Plow		2	D	2	1				5	1	0				3	1	1																									
PU Spreader		2	D	4	4										3	4	4																									
TA Attenuator Trailer		X		1	1													2	1	1																						
TL Loboy Trailer		1	B	3	3										1	1	1	1	2	2																						
TM Message-Sign Trailer		X		3	3																3	3	3																			
TU Utility Trailer		X		27	22										4	3	2	2	6	5	2	18	15																			
YY Arrow Board		X		6	2										4	6	2																									
Totals				521	463		5	2		21	5		230	220		65	56		86	77		81	70		33	33																

### Priority rating

S - Snow removal  
H - Highway Patrol  
P - Paving / Surfacing  
C - Chip sealing  
T - Traffic / Striping  
D - Drilling (Geology)  
F - Foremans trucks, guard rail, emergency response equipment(light plants,emergency trailers,ect.)  
B - Bridge/under bridge inspection unit  
L - Lab, Construction, inspection equipment  
R - Radio- snow cat  
M - Mowing  
G - General

### Importance

1 - Most important  
2 - Very important  
3 - Important  
4 - Somewhat important  
5 - Least  
X - not rated

### Frequency of use

A- Always (9-12 months use)  
B- Often (6-9 months use)  
C- Sometimes (3-6 months use)  
D- Rarely (less than 3 months use)



Admin																							
Program #	Totals					Dist #0			Dist #1			Dist #2			Dist #3			Dist #4			Dist #5		
	Priority Rating	Importance	Frequency	Current	Critical	Priority	Current	Critical	Priority	Current	Critical	Priority	Current	Critical	Priority	Current	Critical	Priority	Current	Critical	Priority	Current	Critical
Total Numbers							5	2		3	3		3	3		22	22		2	2		2	2
EQUIPMENT CLASS CODE																							
AE Intermediate Sedan	G	3	D	1	0	2	1	0															
AL Sedan	G	1	A	10	9	1	2	1				1	1	1	1	4	4	2	1	1	2	2	2
BA Window Van	G	1	B	6	6				1	2	2	1	2	2	1	1	1	1	1	1			
BC AWD Suburban	G	1	A	6	5	1	2	1	1	1	1					3	3						
TM Message-Sign Trailer	X	X		13	13										3	13	13						
TS Speed Monitor Trailer	X	X		1	1										4	1	1						
Totals				37	34		5	2		3	3		3	3		22	22		2	2		2	2

### Priority rating

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 H - Highway Patrol  
 P - Paving / Surfacing  
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 B - Bridge/under bridge inspection unit  
 L- Lab, Construction, inspection equipment  
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 G - General

### Importance

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### Frequency of use

A- Always (9-12 months use)  
 B- Often (6-9 months use)  
 C- Sometimes (3-6 months use)  
 D- Rarely (less than 3 months use)

Construction																					
							Dist #1			Dist #2			Dist #3			Dist #4			Dist #5		
Program #							1211			1212			1213			1214			1215		
	Priority	Rating	Importance	Frequency	Current	Critical	Priority	Current	Critical	Priority	Current	Critical	Priority	Current	Critical	Priority	Current	Critical	Priority	Current	Critical
Total Numbers																					
EQUIPMENT CLASS CODE																					
AL Sedan	G	1	A	8	7	2	1	1	1	1	1	1				2	3	2	2	3	3
BA Window Van	G	1	C	10	10	1	1	1	1	2	2	1	1	1	1	1	4	4	2	2	2
BC AWD Suburban	L	1	B	18	20	1	7	9	1	2	2	1	3	3	1	1	1	2	5	5	5
BE Pool Pickup	L	1	C	91	66	3	30	21	2	18	6	2	23	23	2	11	11	3	9	5	5
BJ Foreman Pickup	F	1	A	9	9	1	2	2	1	2	2	1	3	3				1	2	2	2
BK Construction Pickup	L	1	A	118	123	1	16	20	1	30	30	1	19	19	1	29	29	1	24	25	25
BM 3/4 Ton Pickup	F	1	A	6	6	1	1	1				1	1	1	1	3	3	1	1	1	1
BN Crewcab/Utility	F	1	B	30	29	1	6	6	1	7	7	1	8	8	1	5	5	1	4	3	3
BP AWD Pickup	F	1	A	29	27	1	7	5	1	3	3	1	10	10	1	3	3	1	6	6	6
GM 3/4 Ton Natural Gas Pickup	F	1	A	1	1							1	1	1							
MB Core Drill	G	5	D	15	5	4	3	0	4	3	1	5	5	2	3	2	0	4	2	2	2
YY Arrow Board	X	X		3	3				3	3	3										
Totals				338	306		74	66		71	57		74	71		61	58		58	54	54

### Priority rating

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 B - Bridge/under bridge inspection unit  
 L - Lab, Construction, inspection equipment  
 R - Radio- snow cat  
 M - Mowing  
 G - General

### Importance

1 - Most important  
 2 - Very important  
 3 - Important  
 4 - Somewhat important  
 5 - Least  
 X - not rated

### Frequency of use

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 C - Sometimes (3-6 months use)  
 D - Rarely (less than 3 months use)



Maintenance				Dist #1			Dist #2			Dist #3			Dist #4			Dist #5				
Program #	Totals			1311			1312			1313			1314			1315				
	Priority Rating	Importance	Frequency	Current	Critical	Priority	Current	Critical	Priority	Current	Critical	Priority	Current	Critical	Priority	Current	Critical	Priority	Current	Critical
Total Numbers				2737		536	558		615	587		546	545		605	593		479	454	
EQUIPMENT CLASS CODE																				
AL Sedan	G	3	A	5	5				1	2	2				23	1	1	6	2	2
AT All Terrain Vehicle	X	X		2	2													23	2	2
BA Window Van	G	4	B	1	1							1	1	1						
BC AWD Suburban	X	X		2	2	6	1	1										6	1	1
BE Pool Pickup	G	2	B	13	29	1	2	2	0	12	2	2	2	2	15	10	10	20	0	3
BJ Foreman Pickup	F	1	A	45	48	1	2	3	1	11	11	1	12	12	14	7	7	6	13	15
BK Construction Pickup	F	1	A	6	8	2	2	1	2	2	2				14	1	1	20	1	3
BM 3/4 Ton Pickup	F	1	A	22	21	1	7	6	1	3	3	1	1	1	14	11	11			
BN Crewcab/Utility	F	1	A	62	60	3	16	14	2	14	14	1	9	9	15	11	11	6	12	12
BP AWD Pickup	F	1	A	17	17	5	9	1	3	3	1	3	3	14	2	2	6	4		
BT 1 Ton Stakebed	F	1	A	6	6				1	3	3	1	2	2	15	1	1			
BU 1 Ton Dump Truck	F	1	A	17	21	3	3	5	2	1	1	1	13	15						
CB Single Axle Dump Truck	S	1	B	56	46	2	3	1	1	15	13	1	11	11	2	18	18	9	9	3
CE Tandem Axle Dump Truck	S	1	A	317	329	1	67	71	1	66	68	1	65	65	1	65	65	1	54	60
CL Single Axle Stakebed	F	1	A	2	2	1	1	1	2	1	1									
CP Single Axle Tractor	X	X		1	1				3	1	1									
CU Tandem Axle Tractor	S	1	A	12	11	3	2	1	1	4	4	1	1	1	1a	5	5			
DB Crane	F	1	A	2	2				1	1	1				21	1	1			
DD Snooper	B	1	D	1	2	1	1	1									25	0	1	
DJ Distributor	P	1	C	15	14	12	2	2	2	4	4	3	3	3	9	3	3	13	3	2
EB 2 Yard Loader	S	1	B	91	91	2	22	23	1	15	16	2	22	23	3	17	16	2	15	13
ED 3 1/2 Yard Loader	S	1	B	6	8	2	1	1	2	1	2	2	2	2	3a	1	1	4	1	2
EJ Large Motorgrader	S	1	C	34	32	4	6	6	2	7	6	2	5	5	4	6	6	5	10	9
EN Small Crawler Tractor	X	X		1	1							2	1	1						
EQ Crawler Tractor	S	3	C	5	5	5	1	1	3	1	1	2	1	1	16	1	1	7	1	1
EU Backhoe	G	2	C	15	14	12	1	1	3	4	4	1	2	2	12	4	4	8	4	3
JB Roller	P	2	C	25	21	5	3	3	2	6	6	5	4	0	11	5	5	13	7	7
JE Pickup Sweeper	G	3	C	14	13	11	3	3	3	2	2	3	3	3	19	4	3	12	2	2
JK Self Propelled Sweeper	P	3	C	21	21	6	4	4	3	4	4	3	4	4	20	5	5	11	4	4
JN Mower Tractor	M	3	C	69	69	4	14	15	3	16	16	2	15	15	17	15	14	3	9	9
JQ Flail Mower	M	X		5	5	4	3	3	3	2	2									
JU Rotary Plow	S	1	D	18	17	4	6	6	2	2	1	1	5	5	5	3	3	4	2	2
KE Forklift/Crane	G	4	C	5	8	7	2	2	2	1	1	3	1	1	22	1	1	24	0	3
KK Laydown Machine	P	2	C	5	4	5	1	1	2	1	1				10	1	1		1	1
KQ Chip Spreader	P	2	D	2	2				2	1	1						13	1	1	
LD Hot Plant	P	2	C	2	1				2	1	1				29	1	0			
LL Loader Mounted Rotary	S	1	D	4	6				2	1	2	1	1	1	6	1	1	4	1	2
LM Shoulder Widener	G	5	D	2	2	14	1	1	5	1	1									
LQ Compressor	G	4	D	22	22	10	7	7	3	3	3	3	4	4	25	5	5	18	3	3
LS Stacker Unit	G	4	D	1	0													1	0	
MD Concrete Saw	X	X		1	1	15	1	1												
MJ Tow Sweeper	P	3	D	20	21	6	3	3	4	2	2	3	8	8	26	3	1	11	4	7
ML Culvert Flusher	S	1	C	6	6							4	2	2	7	1	1	10	3	3
MN Sign Washer	G	4	D	3	4	8	1	2												
MQ Tarpot	P	2	D	23	17	4	6	6	3	5	5	4	2	2	38	2	1	14	8	3
ND McCnoughey Mixer	X	2	B	12	13	8	2	3	2	3	3	2	4	4	13	2	2	13	1	1
NK Rotary Mower	M	3	C	85	85	4	18	20	3	21	21	3	14	14	18	19	17	17	13	13
NQ Roller	G	5	D	3	3	13	1	1				3	2	2						
NU Sweeper Attachments	G	5	D	24	18	6	2	2	3	6	6	3	4	4	27	3	2	11	9	4
PB One Way Plow	S	1	D	19	14							2	8	8	1b	1	1	3	10	5
PD Hand Reverse Plow	S	1	C	84	85	1	8	8	1	1	1	2	14	14	1b	9	9	3	52	53
PK Power Reverse Plow	S	1	C	429	385	1	88	88	1	127	87	2	86	86	1b	105	105	3	23	19
PN Vee Plow	S	1	D	18	16	8	4	3	4	1	1	3	5	5	1b	7	7			
PQ Wing Plow	S	1	C	330	332	2	67	67	1	76	72	2	62	62	1b	71	71	3	54	60
PT Deicer Tank	S	1	C	47	51	16	5	6	2	10	10	2	8	8	1b	15	15	10	9	12
PU Spreader	S	1	C	438	416	1	85	85	1	106	86	2	91	91	1b	91	91	3	65	63
TA Attenuator Trailer	X	X		36	40	10	8	9	2	6	8	4	12	12	32	6	6	19	4	5
TD Dump Trailer	X	X		2	2	0				0			0		35	2	2		0	
TG Gen Set Light Trailer	X	X		2	4										37	2	2	15		2
TL Lobby Trailer	P	1	C	16	17	5	2	2	3	4	5	2	3	3	24	4	4	4	3	3
TM Message-Sign Trailer	X	X		35	42	9	12	14	4	4	8					16	16	16	3	4
TN Tank Trailer	S	1	C	16	16	6	3	3	2	8	9	3	1	1	8	2	1	10	2	2
TP Tow Plow	S	1	C	2	17	2			1	2	17									
TR Radio Trailer	X	X		7	5	16	1	1	5	2	2		0		35	2	2	22	2	
TT Tilt Trailer	P	1	B	69	70	3	14	15	3	13	13	2	14	14	28	14	14	2	14	14
TU Utility Trailer	X	X		72	56	6	8	11	3	9	9	2	7	7	33	14	14	21	34	15
XD Pug Vehicle	X	X		1	0											1	0			
XM Tank Heater	X	X		1	1										36	1	1			
YY Arrow Board	X	X		30	31	10	9	12	3	9	9	3	4	4	34	6	6	26	2	0
Totals				2782	2737		536	558		615	587		546	545		605	593		479	454

#### Priority rating

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#### Importance

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Equipment						Dist #1			Dist #2			Dist #3			Dist #4			Dist #5		
Program #	Totals					1391			1392			1393			1394			1395		
	Priority Rating	Importance	Frequency	Current	Critical	Priority	Current	Critical	Priority	Current	Critical	Priority	Current	Critical	Priority	Current	Critical	Priority	Current	Critical
Total Numbers				53	51		10	10		12	12		6	5		11	11		14	13
EQUIPMENT CLASS CODE																				
AL Sedan	G	1	A	4	4	2	1	1	1	1	1				3	1	1	1	1	1
BJ Foreman Pickup	F	2	A	14	12	1	3	3	1	3	3	1	4	4	1	2	2	3	2	0
BK Construction Pickup	F	2	A	2	6	1	1	1							1	1	1		0	4
BM 3/4 Ton Pickup	F	2	A	3	1										1	1	1		2	0
BN Crewcab/Utility	F	1	A	5	5	1	1	1	1	2	2				1	2	2			
BP AWD Pickup	F	1	A	1	1	1	1	1												
BT 1 Ton Stakebed	F	1	A	13	12	1	2	2	1	2	2	1	2	1	1	2	2	1	5	5
KE Forklift/Crane	G	3	B	9	9	1	1	1	2	3	3				2	2	2	2	3	3
PQ Wing Plow	X	X		1	1				2	1	1									
TU Utility Trailer	X	X		1	0													4	1	0
Totals				53	51		10	10		12	12		6	5		11	11		14	13

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Traffic						Dist #1			Dist #2			Dist #3			Dist #4			Dist #5		
Program #	Totals					1321			1322			1323			1324			1325		
	Priority Rating	Importance	Frequency	Current	Critical	Priority	Current	Critical	Priority	Current	Critical	Priority	Current	Critical	Priority	Current	Critical	Priority	Current	Critical
Total Numbers				99	96		15	15		22	23		14	14		22	22		26	22
EQUIPMENT CLASS CODE																				
AL Sedan	G	1	A	4	4	2	1	1	1	1	1				9	1	1	1	1	1
BA Window Van	G	1	B	2	2							1	1	1	5	1	1			
BJ Foreman Pickup	T	1	A	2	2										4	1	1	1	1	1
BK Construction Pickup	T	1	A	3	3	1	1	1	1	1	1							2	1	1
BM 3/4 Ton Pickup	T	1	A	2	2	1	1	1										2	1	1
BN Crewcab/Utility	T	1	A	7	8	1	1	2	1	1	1	1	1	1	4	3	3	2	1	1
BP AWD Pickup	T	1	A	1	1				1	1	1									
BT 1 Ton Stakebed	T	1	A	3	2	1	2	1	1	1	1									
CE Tandem Axle Dump Truck	T	1	B	2	2										3	1	1	1	1	1
CL Single Axle Stakebed	T	1	B	14	14	1	2	2	1	4	4	1	3	3	3	2	2	1	3	3
DB Crane	T	1	A	13	14	1	2	2	1	4	5	2	3	3	2	3	3	1	1	1
DG Digger Derrick	T	1	A	3	3	1	1	1				1	1	1				1	1	1
DL Striper	T	1	B	11	11	1	2	2	1	2	2	1	2	2	1	3	3	1	2	2
LQ Compressor	G	4	C	3	3										8	1	1	2	2	2
MD Concrete Saw	X	X		1	1				3	1	1									
NG Hand Asphalt Grinder	X	X		5	5	2	1	1	1	1	1	3	1	1	7	1	1	6	1	1
NN Hand Striper	X	X		8	7	2	1	1	1	2	2	3	1	1	6	2	2	4	2	1
TA Attenuator Trailer	X	X		1	1				2	1	1									
TM Message-Sign Trailer	X	X		4	4													3	4	4
TU Utility Trailer	X	X		8	6				2	2	2	2	1	1		2	2	4	3	1
YY Arrow Board	X	X		2	1											1	1	5	1	
Totals				99	96		15	15		22	23		14	14		22	22		26	22

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