

DEPARTMENT of PUBLIC WORKS

County of Lassen



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B-1
2017/104

April 11, 2017

TO: Board of Supervisors
FROM: Larry Millar, Director
SUBJECT: Lassen County Road Department Equipment Fleet

RECOMMENDATION: That the Board of Supervisors 1) Receive report 2) Provide any direction to staff.

DISCUSSION: At the request of the Board of Supervisors the following is information regarding the equipment fleet for the Lassen County Road Department.

The Road Department has been actively retro-fitting, retiring, and replacing its aging equipment since 2008 with the implementation of the California Air Resources Board (CARB) schedule for retrofitting or retiring non-compliant heavy duty vehicles. The Lassen County Public Works Department/Road Division has developed an Emissions Plan which would meet the requirement of being 100% compliant by December 31, 2025. Initially this plan was for On-Road Heavy Duty Vehicles/Equipment however it soon included Off-Road Heavy Duty Vehicles/Equipment. Attached is our latest Emissions Plan for the Lassen County Road Department.

Attached is a listing of our current Road Department Equipment Inventory which includes a total of 167 pieces of vehicles/equipment including 3 each air compressors, 5 each brooms, 6 each belly dump trailers, 1 each street sweeper, 3 each dozer crawlers, 2 each flail mowers, 1 each field mower/tractor, 1 each skip loader, 6 each backhoes, 5 each forklifts, 1 each chip spreader, 2 each crack sealers, 1 each asphalt paver, 1 each asphalt pickup machine, 1 each shoulder machine, 1 each grind out paving box, 1 each oil boot truck, 1 each wood chipper, 2 each oil patch pots, 30 each pickups, 1 each asphalt grinder, 1 each concrete saw, 4 each rollers, 2 each grid rollers, 2 each rubber tire rollers, 7 each wheel loaders, 12 each motor graders, 1 each portable conveyor, 4 each snow blowers/snow cat, 1 each bucket truck, 3 each flatbed trucks, 8 each snow removal only 5 yard dump trucks, 2 each pull/10 yard dump trucks (conversions), 4 each 10 yard dump trucks, 1 each 5 yard dump truck, 5 each pull trucks, 3 each water trucks, 5 each lowbed/tilt-bed trailers, 18 each misc. trailers, 5 each welders and 4 each wackers/compactors. This equipment list still shows an aging fleet with several vehicles with high mileage however if we are able to continue with our plan we should be able to continue to improve our fleet.

This inventory has been reduced by approximately 16% over the past 8 years from a total inventory of 199 pieces of vehicles/equipment to the current number of 167 pieces of vehicles/equipment. Our Emissions Plan has also provided the Department a means for continual review of its equipment inventory to remove un-useable or obsolete equipment as well as equipment which no longer has a use. For example our crane, rock crushing equipment, batch plant, snow/go trucks, and grid roller which we sold at auction back in 2013.

The Department is planning on auctioning off 6 pieces of equipment in December consisting of AC-2 (air compressor), C-5 (backhoe), FL-5 (forklift), S-7 (loader), TD-1 (dump truck) and, TD-9 (dump truck) which will further reduce the inventory. These pieces of equipment have been replaced over the past couple of years. The revenue received should enable us to replace a couple of our aging pickups.

It also allowed for replacing and updating equipment, when fiscally possible, while reducing the number of pieces of equipment down to what is actually needed and fiscally feasible. For instance, we replaced two motor graders in 2015 with one new motor grader and two loaders in 2016 with one new loader. In addition, we have replaced one of our large semi-pull trucks with a 10 cubic yard dump truck which can be converted over to a pull truck as well as retrofitting one of our existing 10 yard dump trucks into a pull truck/dump truck conversion. We have also been adding a wing onto our new dump trucks which have aided in snow removal activities. In essence, we can reduce one snow removal trip by using the wing along with the truck plow. This effort in downsizing the Road Department Equipment Inventory down to a more efficient list of equipment has also benefited by reducing our insurance liability and annual fee and has enabled the Road Department to upgrade some of our aging equipment more timely as we have received approximately \$350,000 from the sale of this surplus equipment

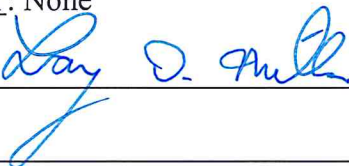
In addition to cleaning up the vehicles/equipment inventory the Road Department has also been completing a major effort in reorganizing and updating the shop inventory over the past five years. We have been successful in reducing this inventory approximately 34% by removing obsolete parts and dropping the amount of parts we place in our inventory to only those that are specialized or have a long lead time in receiving. With today's availability of parts and timely order and delivery options the need to have a large inventory of parts on hand no longer exists. This will be an on-going process.

ALTERNATIVES: None

FINANCIAL IMPACT: None

OTHER AGENCY INVOLVEMENT: None

DEPARTMENTAL APPROVAL: _____



REVIEWED FOR AGENDA: _____

ROAD DEPARTMENT EQUIPMENT**AIR COMPRESSORS** 3 Each

AC-1 1979 Sullair 434hrs?
 AC-2 1948 Schroman No meter (Will be going to auction in December)
 AC-3 2009 Doosan 1550hrs.

BROOMS 5 Each

B-6 1989 Sweepster (Tow Behind) No meter
 B-9 1992 Lombardi (Tow Behind) No meter
 B-10 2006 Laymor (Self-Propelled) 861hrs.
 B-11 2006 Laymor (Self-Propelled) 1053hrs.
 B-12 2012 Superior (Self-propelled) 293hrs.

BELLY DUMP TRAILERS 6 each

BD-11 1995 Ranco
 BD-12 1995 Ranco
 BD-13 1995 Ranco
 BD-14 2004 CTS
 BD-15 2004 CTS
 BD-16 2013 Manac-CPS

STREET SWEEPERS 1 Each

BS-2 1980 Elgin Pelican 923hrs.

DOZER CRAWLERS

7 Each

C-2	1957 D-8		
C-4	1986 D-7H	5267hrs.	
C-18	1990 D-6H	4639hrs.	
C-8	1986 John Deere (Flail Mower)	2432hrs.	
C-14	1979 International (Flail Mower)	1782hrs.?	
C-19	1965 John Deere (Loader/Posthole Digger/Field Mower)		474hrs.
C-21	2009 Cat 414IL (Skip Loader)	956hrs.	

BACKHOES

6 Each

C-5	1978 Case 580 C	2750hrs.	(Will be going to auction in December)
C-12	1987 Case 580 E	3443hrs.	
C-13	1982 Case 580 D	4816hrs.	
C-16	1991 Ford 555C	4039hrs.	
C-20	2004 416D	2098hrs.	
C-22	2017 Cat 416F2	new	

FORKLIFTS

5 Each

FL-1	1979 Wiggins	1322hrs?	
FL-2	1967 Baker	4422hrs.	
FL-5	1963 Hyster	2255hrs.	(Will be going to auction in December)
FL-6	? Mitsubishi (Military Surplus)	238hrs.	
FL-7	2014 Utilev	718hrs.	

CHIP SPREADERS/ETC.

8 Each

CS-1	1971 Entyre (Chip Spreader)	402hrs.?
CS-2	1989 Bearcat (Crack Sealer)	3900hrs.
CS-3	1981 Blaw-Knox(Paver)	98hrs.?
CS-4	1979 CMI (Pickup Machine)	953hrs.
CS-5	1994 Shoulder Machine (County Built)	1046hrs.
CS-8	2005 Paving Box (County Built)	
CS-9	2012 Bearcat (Crack Sealer)	700hrs.
T-10	1988 Ford / Bearcat Boot Truck	58,234mi.

WOOD CHIPPER

1 Each

H-1	1984 Wayne (No meter)	
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OIL PATCH POTS

2 Each

O-2	2006 (County Built)	
O-7	(County Built)	

SUV/PICKUPS

30 Each

AE-9	2006 Ford Explorer	32,457mi.
P-19	1985 Ford F-350 (Flatbed)2x4	232,710mi
P-2	1979 Chevy (Service Truck)2x4	51,329mi.?
P-7	1989 GMC 2x4	211,869mi.
P-23	1976 Chevy (Welding Truck)2x4	39,981mi.?
P-28	1989 GMC 2x4	155,713mi.
P-33	1992 Ford Ranger 4x4	102,700mi.

P-36	1994 F-350 4x4 (Shop Service Truck)	147,867mi.
P-39	1999 Dodge W-250 4x4	266,644mi.
P-40	1999 Dodge W-250 4x4	324,000mi
P-41	2001 Dodge W-250 4x4	178,798mi.
P-42	2001 Dodge W-250 4x4	222,570mi.
P-43	2001 Dodge W-250 4x4	257,455mi.
P-44	2004 Ford F-350 4x4 (Shop Service Truck)	78,933mi.
P-47	2006 Ford F-150 4x4 (Office)	163,874mi.
P-46	2006 Ford F-150 4x4(Engineer)	100,000mi.
P-48	2006 Ford F-250 4x4	213,584mi.
P-49	2006 Ford F-250 4x4	240,365mi.
P-50	1998 Dodge 2500 Service Truck (Sign Shop)	187,529mi.
P-51	2008 Ford F-350 4x4	148,134mi.
P-52	2008 Ford F-350 4x4	168,128mi.
P-53	2008 Ford F-350 4x4	229,959mi.
P-54	2009 Ford F-250 4x4 (Engineer)	78,675mi.
P-55	2009 Ford F-350 4x4	204,631mi.
P-56	2014 Ford F-150 4x4	29,699mi.
P-57	2014 Ford F-150 4x4	75,400mi.
P-58	2014 Ford F-150 4x4	52,443mi.
P-59	2014 Ford F-150 4x4	72,632mi.
P-60	2014 Ford F-150 4x4	42,982mi.
P-61	2017 Ford F-250 4x4	280mi.

PAVEMENT CUTTERS/GRINDERS

2 Each

PC-1	1982 Target (Walk Behind)	
PC-2	2005 Wirtgen W50-DC	320hrs.

ROLLERS

8 Each

R-7	1970 Hyster (Finish)	2914hrs.
R-10	1985 Ingram (Rubber Tire)	1511hrs.
R-12	1989 Hyster (Large Compaction)	1088hrs.
R-13	1992CAT (Rubber Tire)	507hrs.
R-14	2002 Dynapac (Small Smooth Drum)	50hrs?
R-15	2005 CAT (Large Smooth Drum)	520hrs.
R-3	1956 Hyster Grid Roller (Tow Behind)	
R-6	Hyster Grid Roller (Tow Behind)	

WHEEL LOADERS

7 Each

S-4	1986 Cat 950	10,680hrs.	
S-6	1983 Cat 950	6579hrs.	
S-7	1976 Cat 950	1837hrs?	(Will be going to auction in December)
S-9	1988 Cat 950E	6717hrs.	
S-12	1987 Cat 950E	8207hrs.	
S-13	2008 938H	2648hrs.	
S-14	2016 938M	51hrs.	

MOTOR GRADERS

12 Each

M-3	1978 Cat 130G	8810hrs.
M-6	1989 Cat 140G	2261hrs.
M-7	1979 Cat 130G	4682hrs.
M-9	1977 Cat 130G	428hrs.
M-13	1976 Cat 130G	6767hrs.
M-14	1982 Cat 140G	3670hrs.
M-15	1993 Cat 140G	2620hrs.
M-16	1994 Cat 140G AWD	2313hrs.
M-17	2003 Cat 143H AWD	5131hrs.
M-18	2003 Cat 140H	16,450hrs.
M-19	1985 Cat 130G	2618hrs.
M-20	2016 Deere 672G AWD	587hrs.

PORTABLE CONVEYERS

1 Each

S-8	1971 Colman (No meter)
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SNOW BLOWERS/SNOW CAT

4 Each

SC-1	Logan LMC-1200 (Snow Cat)	12,410hrs.
SG-3	1985 Idaho	963hrs.
SG-5	1983 Idaho (Loader Mounted)	1488hrs.
SG-6	1982 Idaho	1723hrs.

BUCKET TRUCK

1 Each

BT-1	2000 Ford F-450 4x4	154,097mi.
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FLATBED TRUCKS

3 Each

T-1	1978 F-600	63,234mi.
TD-23	2016 Ford F-650	4578mi.
X-8	1978 International (Snow Cat Truck)	201,532mi.

DUMP TRUCKS

15 Each

(DSR is Dedicated Snow Removal Use Only)

TD-1	1976 F-7000 (5 Yard) (DSR)	92,324mi.? (Will be going to auction in December)
TD-2	1988 GMC (5 Yard) (DSR)	118,348mi.
TD-4	1988 GMC (5 Yard) (DSR)	141,953mi.
TD-9	1982 Ford F-7000 (5 Yard) (DSR)	89,408mi.? (Will be going to auction in December)
TD-10	1982 Ford F-700 (5 Yard) (DSR)	151,100mi.
TD-12	1984 Ford F-700 (5 Yard) (DSR)	163,757mi.
TD-13	1986 GMC (5 Yard) (DSR)	155,790mi
TD-14	1986 GMC (5 Yard) (DSR)	164,604mi.
TD-16	1992 International 2574 (10 Yard / Pull Truck)	33,000mi. ?
TD-18	1996 International F2574 (10 Yard)	85,576mi. ?
TD-19	1996 International F2574 (10 Yard)	232,710mi.
TD-20	1999 International F2574 (10 Yard)	120,061mi. ?
TD-21	1999 International F2574 (10 Yard)	237,876mi.
TD-22	2012 Peterbilt 337 (5 Yard)	19,882mi.
TD-24	2018 Freightliner 5 (Yard)	(new)

PULL TRUCKS

5 Each

X-7	1986 Freightliner C1200	86,724mi.?
X-10	1990 International	533,452mi.
X-11	1999 Kenworth W-900	409,742mi.
X-12	2003 Kenworth W-900	270,070mi.
X-13	2012 Peterbilt 359 (10 Yard/Pull Truck)	61,461mi.

WATER TRUCKS

3 Each

WT-3	1984 Autocar	6614mi.
X-2	1984 Peterbilt	541,361mi.
X-6	1970 Kenworth	48,879mi.?

LOWBED/TILTBED TRAILERS

5 Each

TR-1	1987 Load King (Lowbed)
TR-11	2000 Load King (Low Bed)
TR-6	1987 Crown (Tilt)
TR-12	1995 Load King (Tilt)
TR-25	2007 Interstate (Tilt)

MISC. TRAILERS

18 Each

TR-23	2002 Dargo (Car Trailer)
TR-24	1989 Fruehauf (Crusher Trailer)
TR-27	Attwood
TR-29	Graco Road Pac (Road Striper)
TR-30	Roller Trailer for R-14 (County Built)

TR-31 Utility Trailer (Sign Shop) (County Built)

TR-7 Patch Trailer

CD-14 Patch Trailer

CD-16 Patch Trailer

TR-22 Patch Trailer

TR-19 Water Trailer

WP-5 Water Trailer

TR-4 Water Trailer

TR-8 Paint Trailer (Sign Shop)

CD-18 Perfection Trailer

TH-1 1968 Lab Trailer

TH-2 1970 Lab Trailer

TH-4 1981 Lab Trailer

WELDERS

5 Each

W-1 ?Lincoln 225G7

W-3 1977 Miller

W-5 2004 Lincoln

W-6 2005 Lincoln Ranger

W-7 2007 Lincoln Ranger

WACKERS/COMPACTORS

4 Each

WK-1 2006 Whacker

WK-2 2006 Whacker Vibra Plate

WK-3 Multiquip Vibra Plate

WC-2 Whacker Weed Cutter

2015 Emissions Plan for Lassen County (revised)

D.S.R. (Dedicated snow removal)

L.U. (Low usage)

- ~~2014 - TD-10, 1982 Ford F-700 (DSR) — Completed~~
- ~~X-6, 1970 Kenworth W-900 (L.U.) — Completed~~
- ~~2015 - TD-17, 1989 GMC replace with new truck. — Completed~~
- ~~2016 - TD-1, 1976 Ford & TD-9, 1982 Ford F-7000 replace with (1) new 5 yard — Completed~~
~~dump truck.~~
- 2018 - X-6, 1970 Kenworth W-900 replace with 2010 or newer water truck.**
- 2020 - TD-10, 1982 Ford F-700 & TD-12, 1984 Ford F-700 replace with (1) 5 yard dump truck.**
- 2022 - X-8, 1987 IHC & TD-13, 1986 GMC replace with new 5 yard dump truck.**
- 2024 - TD-4, 1988 GMC & TD-14, 1986 GMC replace with (1) new 5 yard dump truck.**
- 2026 - X-7, 1986 Freightliner & TD-16, 1992 International replace with (1) new switch over 10 wheeler.**
- 2028 - X-10, 1990 international & TD-18, 1996 international replace with (1) new switch over 10 wheeler.**
- 2030 - TD-19, 1996 international & X-11, 1999 Kenworth W-900 replace with (1) new switch over 10 wheeler.**

2015 Off road emissions plan for Lassen County

~~2015 - Retire, C-11-1978 CAT Crawler, C-15-1979 CAT Crawler, C-2-1957 CAT Crawler, S-7-1976 CAT Loader, S-10-1975 CAT Loader, S-11-1974 CAT Loader.~~

completed

~~Replace M-11 with new grader~~

2017 - Replace C-5-78 CASE Backhoe with new backhoe & R-7-1970 Hyster Roller with new roller. ^{completed}

2019 - Replace CS-3-1981 Blaw-Knox Paver with used TIER 4 paver.

2021 - Replace M-13-1976 CAT Grader with new grader.

2023 - Replace S-3-1980 CAT Loader with new loader.

2025 - Replace R-10-1985 Ingram Roller with new roller.

2027 - Replace S-6-1983 CAT Loader with new loader.

2029 - Replace M-9-1977 CAT Grader with new grader.

2031 - Replace M-3-1978 CAT Grader with new grader.