



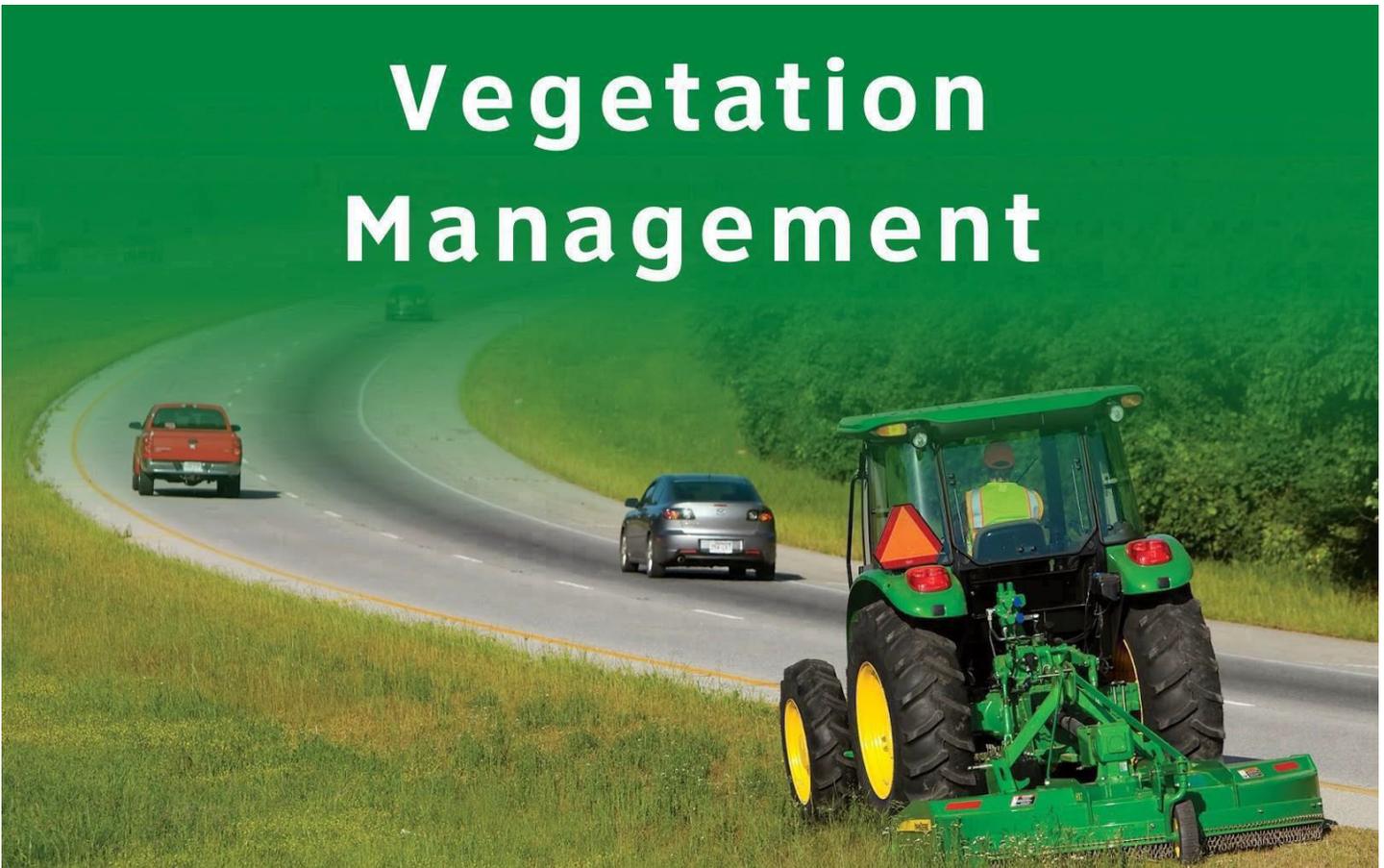
**pennsylvania**

DEPARTMENT OF TRANSPORTATION

## **Bureau of Maintenance**

Fleet Management Division

# **Vegetation Management**





## Table of Contents

Introduction .....	1
Safety Message .....	2
District Contacts .....	5
Equipment Listing by Type .....	6
Mower, Tractor, Flail,Rear and Right, 2WD .....	7
Mower, Tractor, Flail,Rear and Right, 4WD .....	8
Mower, Tractor, Flail,Rear, Left and Right (Triple Gang), 4WD .....	9
Mower, Tractor, 92 PTO HP, 4WD, Enclosed Cab .....	10
Mower, Tractor, w/ Boom Arm, Flail Head, Straight Steer, 85 PTO HP, 2WD .....	11
Mower, Tractor, w/ Boom Arm, Rotary Head, Straight Steer, 85 PTO HP, 2WD .....	12
Mower, Tractor, Boom Arm w/ Rotary Head, Straight Steer, 4x4, 85 PTO HP .....	13
Mower, Tractor, Boom Arm w/ Flail Head, Straight Steer, 4x4, 85 PTO HP .....	14
Equipment Listing by District .....	15
District 1 .....	16
District 2 .....	17
District 3 .....	18
District 4 .....	19
District 5 .....	20
District 6 .....	21
District 8 .....	22
District 9 .....	23
District 10 .....	24
District 11 .....	25
District 12 .....	26
Equipment Attachments .....	27
Excavator, Flail Mower Attachment .....	29
60" Mulcher Head .....	31
Heavy Duty BrushCutter (Skid Steer) .....	32
Tow Behind Woodchipper .....	34
Woodchipper - Skid Steer Attachment .....	37
Woodchipper - 3Point Hitch Attachment .....	38
Additional Highlighted Pieces .....	39
MowerMax BoomArm Mower .....	40
Fecon 15" Tree Shear .....	43
Diamond Mowers Loader Mounted Boom Arm Mower .....	45
51" Remote Control Mower .....	47
Ventrac 4500Z Mower .....	48



## Introduction

PennDOT Maintenance Forces deal with vegetation management every day. Being able to effectively and efficiently remove overgrown and unwanted vegetation helps keep the transportation system safe for the traveling public. This catalog was created through the support of the State Transportation Innovation Council (STIC) – Maintenance Technical Advisory Group (TAG). The purpose of this document is to inform Districts and Counties of the vegetation management equipment and attachments owned by PennDOT and to bring awareness of what other vegetation management equipment/attachments are on the market that could potentially be purchased or rented.

Please contact the District Equipment Managers listed within this catalog if your District or County has interest or questions about a specific piece of equipment in the catalog.

### FOR LOCAL GOVERNMENTS:

If a local government has interest in utilizing a piece of equipment listed within this catalog, please reach out to your local PennDOT Agility Coordinator or PennDOT District Contact. The local District or County may be able to exchange services with the local government, following the procedures outlined through the Agility Program. For more information on the Agility Program, please visit Agility Program ([penndot.gov](http://penndot.gov)). Note: A certified PennDOT Equipment operator(s) will need to accompany you and operate the equipment for the local government as part of the Agility Services Exchange.

## Safety Message

Safety is paramount at PennDOT and within the Commonwealth of Pennsylvania. Many safety incidents that occur throughout the course of our daily operations involve vehicles and equipment. It is the responsibility of PennDOT to ensure the safety of all its employees through the use of proper controls to limit the number of risks and hazards that employees are exposed to on a daily basis.

Safety controls can be identified in different categories:

- Engineering Controls: (Ex. roll over protection or overhead protection)
- Administration Controls: (Ex. training, policies, protocol, circle of safety, use of spotters)  
These raise awareness and limit exposure to hazards.
- Personal Protection Equipment PPE (seat belts, hard hat, vests, safety glasses, etc.)

Controls are only effective if people follow the guidelines that were established to protect them. PennDOT is considered a data rich organization as it pertains to safety data and knowing what types of safety incidents are occurring in its organization and which equipment and vehicles are involved in such incidents.

Between 2015 and 2020 there have been 5,679 Fleet and Equipment Incidents in PennDOT.

Equipment Incidents:	993
Fleet Incidents:	4776
<b>Total:</b>	<b>5769</b>

The type of equipment that is involved in these types of incidents include:

<b>Equipment Type</b>	<b>Count</b>
Specialized equipment:	350
Loader:	258
Tractor Mower:	119
Backhoe:	104
Gradall:	55
Roller:	38
Forklift:	27
Grader:	27
Paver:	7
Tunnel Equipment:	7
Widener:	1
<b>Grand Total:</b>	<b>993</b>

## Safety Message

The top 5 types of injuries associated with these pieces of equipment include:

- Strain or sprain injuries
- Contusion
- Crushing injury (pinch point injuries)
- Multiple injuries
- Abrasion/scratch type injuries

The top 5 types of employee activities associated with equipment accidents include:

- Grading/shoulder cutting
- Mowing
- Excavating/digging/shoveling
- Loading/unloading tools/equipment/materials
- Paving

The most important factors that can prevent equipment incidents are employee training and implementing PennDOT Safety Policies as it pertains to safe driving practices and the use of PPE, namely seat belts. Seat belts must always be worn when a vehicle is being operated and while occupying a stationary vehicle in a work zone.

Since 1970, there have been approximately 90 employees who lost their lives in the line of duty.

- 27 out of 90 PennDOT employees have been killed in vehicle collisions or equipment incidents.
- 16 of them were a direct result from not wearing seat belts.

Seat belt use for all vehicles and equipment:

- Seat belts need to be inspected daily by the operator for signs of damage (e.g., cut/frayed material) and kept in proper working condition.
- Do not remove seat belts that are original to equipment.
- It is the responsibility of the supervisor/manager to educate employees on the safe use of equipment with and without seat belts. Seat belts and shoulder straps, for vehicles so equipped, must be worn properly with the seat belt secured over the lap and the shoulder harness secured over the arm and shoulder. Seat belts and shoulder harnesses must always be used when:
  - o Operating PennDOT vehicles and equipment
  - o Operating personal vehicles on PennDOT business
  - o Riding in any vehicle while on PennDOT Business
  - o Occupying a stationary or shadow vehicle in a work zone, or where the potential for a collision exists.

EXCEPTION: If manufacturer recommendations on the use of seat belts and shoulder harnesses during operations differ from PennDOT policy. Seat belts and shoulder harnesses are to be worn in accordance with manufacturer recommendations when operating PennDOT vehicles and equipment.

## Safety Message

In addition to the use of seat belts, operators of vehicles and equipment should also review the Job Safety Analysis (JSA) information as it pertains to hazards associated with pieces of equipment and vehicles related to their daily work activities. Procedures and policies that employees should follow to reduce the likelihood of safety incidents include but are not limited to:

- Reporting to work fit for duty and able to operate equipment safely (not under the influence of drugs or alcohol)
- Attending all trainings associated with equipment/vehicles (Safe Driver/Certification Training)
- Maintaining all licenses and certifications (Medical Certification, CDL, and/or appropriate class licenses/endorsements (as required)
- Avoiding backing whenever possible
- Using a spotter when backing whenever possible
- Using a spotter with heavy equipment to prevent pinch point injuries or struck-by injuries
- Conducting a circle of safety
- Understanding the swing/moving radius of the equipment and overhead clearances
- Utilizing equipment only as designed and intended (only moving employees from one location to another in vehicles designated to transport employees: no tramping/transporting on equipment)
- Doing a pre-trip inspection and noting/reporting defects on the 614s immediately
- Only using equipment that is deemed safe to use (not using deadline pieces of equipment)
- Following all traffic laws and ordinances
- Using three points of contacts when entering or exiting equipment and vehicles
- Surveying the working area for potential hazards before using equipment in the field
- Reporting all/any accidents and injuries immediately

### Proper Clearance for Vehicles and Equipment

When operating any type of machinery such as a vehicle or mobile equipment, it is imperative to use good clearance judgement and know the proper clearances as it relates to all fixed and overhead objects.

#### Common hazards:

- Overhead Utility Lines
- Utility Poles
- Trees
- Other vehicles/equipment
- Buildings/Mailboxes/Fence post

#### Safety Tips on Proper Clearance:

1. Don't rely on posted clearances, operators should review and know the height of the vehicle/equipment and/or load.
2. Use extra caution when traveling through bridges, tunnels, and underpasses.
3. Check for lights, signs and utility poles when on narrow streets/alleys. When entering/exiting any type of area such as garages ensure to know the height of the entryway versus the height of the vehicle/equipment and any lifting attachments. Prior to operations confirm that you are able to clear the entry/exit and utilize attachments as needed in enclosed areas.
4. If you are ever doubtful of the proper clearances, stop and check before proceeding.

**What to do if a power line falls on your vehicle**

Assume the downed power line – and everything it’s touching – is energized.

Stay calm and stay in the vehicle. Unless there’s a secondary emergency, such as fire or smoke, it’s safer to stay inside your vehicle than it is to exit and risk electrocution.

Call 911. When you do, let the dispatcher know you were in a vehicle accident and there’s a downed power line on your vehicle. They will contact the power company to de-energize the line.

Tell bystanders to stay away at least 20 feet away from the power line and anything it may touch. Honk your horn, roll your window down and yell. Doing so could save lives.

**District Contacts**

District	Contact	Email	Office Phone Number
1	Jeff Wagner	jefwagner@pa.gov	814-678-7043
2	Jason Belsole	jbelsole@pa.gov	814-765-0504
3	Jimmy Adams	jiadams@pa.gov	570-916-1572
4	Donald Swingle	dswingle@pa.gov	570-963-3515
5	Mike Haney	mihaney@pa.gov	610-871-4147
6	Henry Hartkorn	hhartkorn@pa.gov	610-205-6747
8	John Myers	johnmyer@pa.gov	717-787-4339
9	Chad McKissick	chmckissic@pa.gov	814-696-7128
10	Timothy Clevenger	ticlevenge@pa.gov	724-357-2816
11	William Cleaver	wcleaver@pa.gov	412-429-4942
12	Larry Basinger	labasinger@pa.gov	724-439-7362

Additional Planning Partner Contacts -

<https://www.penndot.gov/ProjectAndPrograms/Planning/Pages/MPO-and-RPO-Contact-List.aspx>

# Equipment Listing by Type

15900

## Mower, Tractor, Flail, Rear and Right, 2WD

Estimated Price: \$93,400



Equipment Number	Manufacturer	Model	Year	District	County
P7756918	Deere & Company	051DR	2007	3	Lycoming
P7766918	Deere & Company	6415	2007	4	Luzerne
P7916918	Deere & Company	3122R	2008	3	Lycoming
P7896918	Deere & Company	6330	2008	4	Susquehanna
P7906918	Deere & Company	6330	2008	8	Cumberland
P8126918	New Holland	T5070	2010	3	Northumberland
P8136918	New Holland	T5070	2010	3	Union
P8406918	New Holland	T5070	2012	2	Centre
P8416918	New Holland	T5070	2012	2	Clearfield
P8426918	New Holland	T5070	2012	2	Clinton
P8466918	New Holland	T5070	2012	2	Clinton
P8436918	New Holland	T5070	2012	2	Potter
P8446918	New Holland	T5070	2012	2	Mifflin
P8456918	New Holland	T5070	2012	2	Elk
P8476918	New Holland	T5070	2012	5	Lehigh
P8586918	Deere & Company	6115D	2014	3	Union
P9066918	Deere & Company	6105E	2017	9	Bedford
P9076918	Deere & Company	6105E	2017	9	Bedford
P9236918	Deere & Company	6105E	2017	9	Bedford
P9246918	Deere & Company	6105E	2017	9	Bedford
P9256918	Deere & Company	6105E	2017	9	Blair
P9086918	Deere & Company	6105E	2017	9	Cambria
P9306918	Diamond Products	6105E	2018	3	Snyder
P9316918	Diamond Products	6105E	2018	4	Luzerne
P9326918	Diamond Products	6105E	2018	9	Fulton
P9476918	Tiger Corp.	85PTO	2020	2	Clearfield

15910

**Mower, Tractor, Flail,  
Rear and Right, 4WD**

Estimated Price: \$104,000



Equipment Number	Manufacturer	Model	Year	District	County
P8116918	New Holland	T5070	2010	4	Wayne
P8536918	New Holland	TS6.125	2014	4	Luzerne
P8856918	Deere & Company	6115D	2015	6	Montgomery
P9176918	Deere & Company	6105E	2017	4	Luzerne
P9186918	Deere & Company	6105E	2017	6	Chester
P9486918	Tiger Corp.	85 PTO	2020	9	Fulton

16100

## Mower, Tractor, Flail, Rear, Left and Right (Triple Gang), 4WD

*Not legal to transport (132" wide)*

Estimated Price: \$93,400



Equipment Number	Manufacturer	Model	Year	District	County
P7776918	Deere & Company	051DR	2007	2	Clearfield
P7786918	Deere & Company	051DR	2007	9	Fulton
P7886918	Deere & Company	3122R	2008	10	Butler
P8066918	Deere & Company	3122R	2009	10	Jefferson
P8396918	New Holland	T5070	2012	9	Bedford
P8176918	Deere & Company	JD6430	2010	8	Lebanon
P8186918	Deere & Company	JD6430	2010	10	Indiana
P8266918	New Holland	T5070	2011	4	Susquehanna
P8276918	New Holland	T5070	2011	8	Lebanon
P8866918	Deere & Company	6115D	2015	4	Luzerne
P8876918	Deere & Company	6115D	2015	4	Wyoming

17435

## Mower, Tractor, 92 PTO HP, 4WD, Enclosed Cab

Tractor Only

Estimated Price: \$92,500



Equipment Number	Manufacturer	Model	Year	District	County
P9016918	New Holland	TS6.110	2016	3	Sullivan
P9376918	New Holland	N/A	2018	3	Bradford
P9396918	Deere & Company	5100R	2018	10	Indiana

17500

**Mower, Tractor,  
w/ Boom Arm, Flail  
Head, Straight Steer,  
85 PTO HP, 2WD**

Estimated Price: \$108,300



Equipment Number	Manufacturer	Model	Year	District	County
P7806918	Deere & Company	051DR	2007	9	Huntingdon
P8286918	Deere & Company	6230	2011	1	Mercer
P8516918	New Holland	T5050	2012	1	Erie
P8816918	Deere & Company	6105D	2015	3	Union
P8826918	Deere & Company	6105D	2015	9	Blair
P9166918	Deere & Company	6105E	2017	6	Delaware

17525

**Mower, Tractor,  
w/ Boom Arm, Rotary  
Head, Straight Steer,  
85 PTO HP, 2WD**

**Estimated Price: \$115,000**



Equipment Number	Manufacturer	Model	Year	District	County
P7606918	Deere & Company	051DR	2006	2	McKean
P7616918	Deere & Company	051DR	2006	10	Jefferson
P7856918	Deere & Company	051DR	2007	5	Schuylkill
P7964918	Deere & Company	6330	2008	6	Chester
P7974918	Deere & Company	3122R	2008	10	Butler
P8194918	New Holland	T5050	2010	12	Greene
P8254918	Deere & Company	6230	2011	1	Venango
P8144918	New Holland	T5050	2011	2	Centre
P8486918	New Holland	T5050	2012	2	Potter
P8496918	New Holland	T5050	2012	6	Bucks
P8506918	New Holland	T5050	2012	6	Chester
P8566918	Deere & Company	6115D	2013	4	Pike
P8636918	Deere & Company	6105D	2014	3	Lycoming
P8646918	Deere & Company	6105D	2014	4	Susquehanna
P8656918	Deere & Company	6105D	2014	5	Lehigh
P8596918	Deere & Company	6105D	2014	11	Beaver
P8836918	Deere & Company	6105D	2015	4	Wayne
P8806918	Deere & Company	6105D	2015	9	Bedford
P8846918	Deere & Company	6105D	2015	12	Washington
P8956918	Deere & Company	6105E	2016	2	Centre
P8966918	Deere & Company	6105E	2016	3	Northumberland
P9336918	Diamond Products	6105E	2018	9	Huntingdon
P9346918	Diamond Products	6105E	2018	12	Greene
P9356918	Diamond Products	6105E	2018	12	Washington

17550

**Mower, Tractor, Boom  
Arm w/ Rotary Head,  
Straight Steer, 4x4,  
85 PTO HP**

**Estimated Price: \$122,200**



Equipment Number	Manufacturer	Model	Year	District	County
P7624918	New Holland	TV145F	2006	5	Northampton
P7634918	New Holland	TV145F	2006	8	Lebanon
P7566918	Deere & Company	6415	2006	9	Huntingdon
P7576918	Deere & Company	6415	2006	10	Armstrong
P7554918	Deere & Company	6415	2006	10	Clarion
P7836918	New Holland	TV145F	2007	8	Cumberland
P7846918	New Holland	TV145F	2007	8	Lancaster
P8156918	New Holland	TV6070	2010	8	York

17551

**Mower, Tractor, Boom  
Arm w/ Flail Head,  
Straight Steer, 4x4,  
85 PTO HP**

Estimated Price: \$120,200

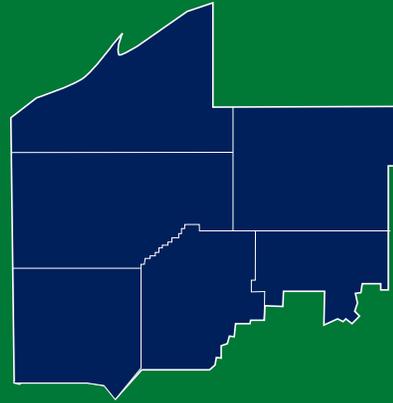


Equipment Number	Manufacturer	Model	Year	District	County
P8766918	Deere & Company	6105D	2015	8	Adams
P8976918	Deere & Company	6105E	2016	11	Lawrence
P9196918	Deere & Company	6105E	2017	8	Lancaster
P9366918	Diamond Products	6105E	2018	8	York
P9506918	Tiger Corp.	85 PTO	2020	9	Somerset

# Equipment Listing by District

## District 1

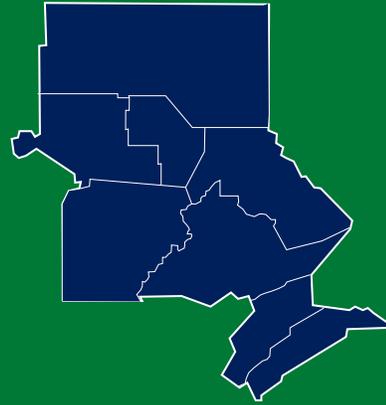
**Crawford, Erie,  
Forest, Mercer,  
Venango, Warren**



Equipment Number	Manufacturer	Model	Year	County
P8286918	Deere & Company	6230	2011	Mercer
P8516918	New Holland	T5050	2012	Erie
P8254918	Deere & Company	6230	2011	Venango

## District 2

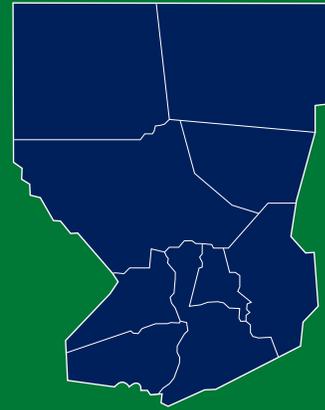
**Cameron, Centre,  
Clearfield, Clinton, Elk,  
Juniata, McKean,  
Mifflin, Potter**



Equipment Number	Manufacturer	Model	Year	County
P8406918	New Holland	T5070	2012	Centre
P8416918	New Holland	T5070	2012	Clearfield
P8426918	New Holland	T5070	2012	Clinton
P8466918	New Holland	T5070	2012	Clinton
P8436918	New Holland	T5070	2012	Potter
P8446918	New Holland	T5070	2012	Mifflin
P8456918	New Holland	T5070	2012	Elk
P9476918	Tiger Corp.	85PTO	2020	Clearfield
P7776918	Deere & Company	051DR	2007	Clearfield
P7606918	Deere & Company	051DR	2006	McKean
P8144918	New Holland	T5050	2011	Centre
P8486918	New Holland	T5050	2012	Potter
P8956918	Deere & Company	6105E	2016	Centre

## District 3

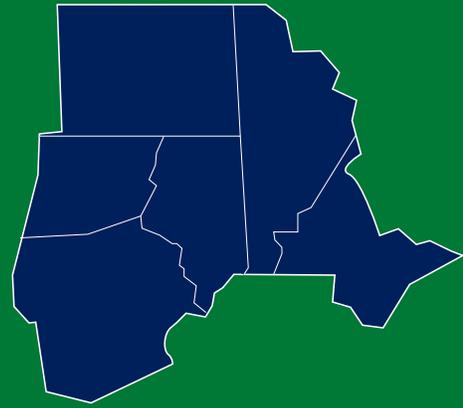
**Bradford, Columbia,  
Lycoming, Montour,  
Northumberland,  
Snyder, Sullivan,  
Tioga, Union**



Equipment Number	Manufacturer	Model	Year	County
P7756918	Deere & Company	051DR	2007	Lycoming
P7916918	Deere & Company	3122R	2008	Lycoming
P8126918	New Holland	T5070	2010	Northumberland
P8136918	New Holland	T5070	2010	Union
P8586918	Deere & Company	6115D	2014	Union
P9306918	Diamond Products	6105E	2018	Snyder
P9016918	New Holland	TS6.110	2016	Sullivan
P9376918	New Holland	N/A	2018	Bradford
P8816918	Deere & Company	6105D	2015	Union
P8636918	Deere & Company	6105D	2014	Lycoming
P8966918	Deere & Company	6105E	2016	Northumberland

## District 4

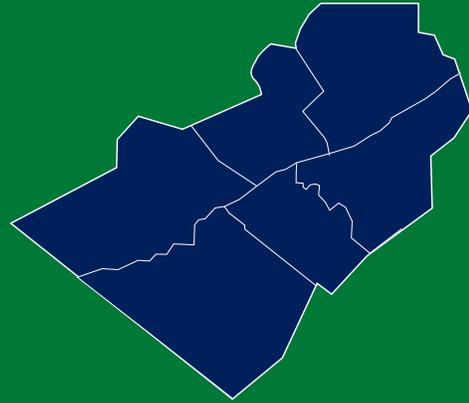
Lackawanna, Luzerne,  
Pike, Susquehanna,  
Wayne, Wyoming



Equipment Number	Manufacturer	Model	Year	County
P7766918	Deere & Company	6415	2007	Luzerne
P7896918	Deere & Company	6330	2008	Susquehanna
P9316918	Diamond Products	6105E	2018	Luzerne
P8116918	New Holland	T5070	2010	Wayne
P8536918	New Holland	TS6.125	2014	Luzerne
P9176918	Deere & Company	6105E	2017	Luzerne
P8266918	New Holland	T5070	2011	Susquehanna
P8866918	Deere & Company	6115D	2015	Luzerne
P8876918	Deere & Company	6115D	2015	Wyoming
P8566918	Deere & Company	6115D	2013	Pike
P8646918	Deere & Company	6105D	2014	Susquehanna
P8836918	Deere & Company	6105D	2015	Wayne

## District 5

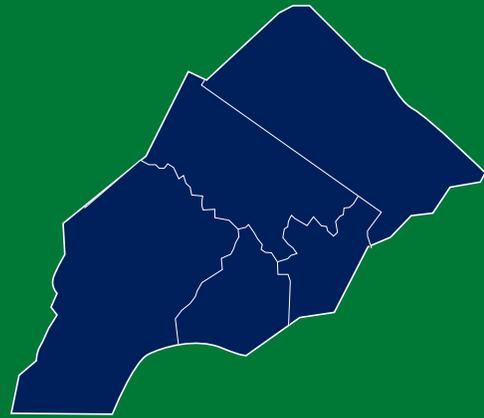
**Berks, Carbon, Lehigh,  
Monroe, Northampton,  
Schuylkill**



Equipment Number	Manufacturer	Model	Year	County
P8476918	New Holland	T5070	2012	Lehigh
P7856918	Deere & Company	051DR	2007	Schuylkill
P8656918	Deere & Company	6105D	2014	Lehigh
P7624918	New Holland	TV145F	2006	Northampton

## District 6

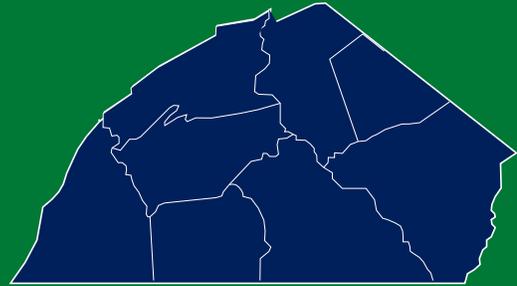
# Bucks, Chester, Delaware, Montgomery, Philadelphia



Equipment Number	Manufacturer	Model	Year	County
P8856918	Deere & Company	6115D	2015	Montgomery
P9186918	Deere & Company	6105E	2017	Chester
P9166918	Deere & Company	6105E	2017	Delaware
P7964918	Deere & Company	6330	2008	Chester
P8496918	New Holland	T5050	2012	Bucks
P8506918	New Holland	T5050	2012	Chester

## District 8

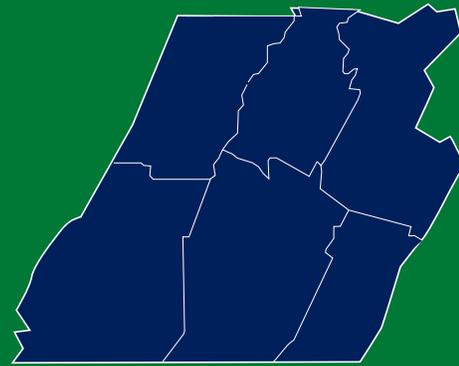
**Adams, Cumberland,  
Dauphin, Franklin,  
Lancaster, Lebanon,  
Perry, York**



Equipment Number	Manufacturer	Model	Year	County
P7906918	Deere & Company	6330	2008	Cumberland
P8176918	Deere & Company	JD6430	2010	Lebanon
P8276918	New Holland	T5070	2011	Lebanon
P7634918	New Holland	TV145F	2006	Lebanon
P7836918	New Holland	TV145F	2007	Cumberland
P7846918	New Holland	TV145F	2007	Lancaster
P8156918	New Holland	TV6070	2010	York
P8766918	Deere & Company	6105D	2015	Adams
P9196918	Deere & Company	6105E	2017	Lancaster
P9366918	Diamond Products	6105E	2018	York

## District 9

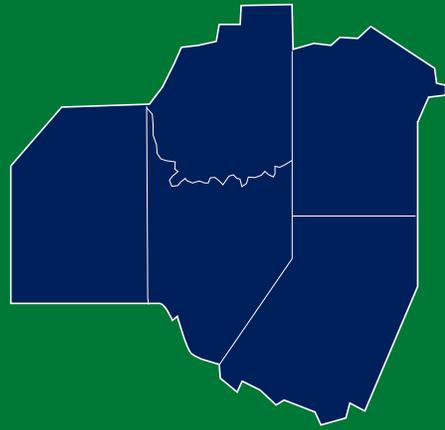
# Bedford, Blair, Cambria, Fulton, Huntingdon, Somerset



Equipment Number	Manufacturer	Model	Year	County
P9066918	Deere & Company	6105E	2017	Bedford
P9076918	Deere & Company	6105E	2017	Bedford
P9236918	Deere & Company	6105E	2017	Bedford
P9246918	Deere & Company	6105E	2017	Bedford
P9256918	Deere & Company	6105E	2017	Blair
P9086918	Deere & Company	6105E	2017	Cambria
P9326918	Diamond Products	6105E	2018	Fulton
P9486918	Tiger Corp.	85 PTO	2020	Fulton
P7786918	Deere & Company	051DR	2007	Fulton
P8396918	New Holland	T5070	2012	Bedford
P7806918	Deere & Company	051DR	2007	Huntingdon
P8826918	Deere & Company	6105D 2	015	Blair
P8806918	Deere & Company	6105D	2015	Bedford
P9336918	Diamond Products	6105E	2018	Huntingdon
P7566918	Deere & Company	6415	2006	Huntingdon
P9506918	Tiger Corp.	85 PTO	2020	Somerset

## District 10

**Armstrong, Butler,  
Clarion, Indiana,  
Jefferson**



Equipment Number	Manufacturer	Model	Year	County
P7886918	Deere & Company	3122R	2008	Butler
P8066918	Deere & Company	3122R	2009	Jefferson
P8186918	Deere & Company	JD6430	2010	Indiana
P9396918	Deere & Company	5100R	2018	Indiana
P7616918	Deere & Company	051DR	2006	Jefferson
P7974918	Deere & Company	3122R	2008	Butler
P7576918	Deere & Company	6415	2006	Armstrong
P7554918	Deere & Company	6415	2006	Clarion

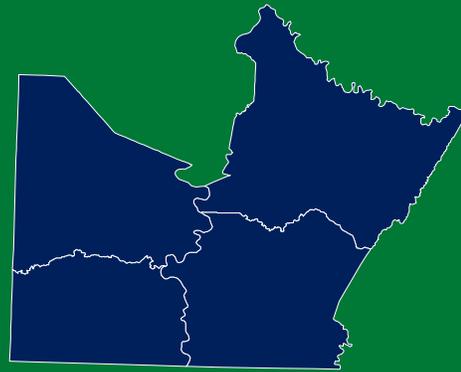
## District 11

Allegheny, Beaver,  
Lawrence

Equipment Number	Manufacturer	Model	Year	County
P8596918	Deere & Company	6105D	2014	Beaver
P8976918	Deere & Company	6105E	2016	Lawrence

## District 12

**Fayette, Greene,  
Washington,  
Westmoreland**



Equipment Number	Manufacturer	Model	Year	County
P8194918	New Holland	T5050	2010	Greene
P8846918	Deere & Company	6105D	2015	Washington
P9346918	Diamond Products	6105E	2018	Greene
P9356918	Diamond Products	6105E	2018	Washington

# Equipment Attachments

**\*\*ALL ATTACHMENTS REQUIRE HIGH FLOW HYDRAULICS AND FRONT SAFETY GLASS, MESH COVERING, OR FRONT WINDOW GUARDS PER MANUFACTURER'S SPECIFICATIONS\*\***



## Excavator, Flail Mower Attachment

ECN: 4970

2021 Pricing - \$25,000



Photo Credit: Rockhound Website

Equipment Number	Manufacturer	Model	Year	County
305-1778	Rockhound	40EXHD	2017	D5

## Excavator, Flail Mower Attachment

ECN: 4980

2021 Pricing - \$30,000



Photo Credit: Rockhound Website

Equipment Number	Manufacturer	Model	Year	County
351-1778	Rockhound	50EXHD	2021	D4

## 60" Mulcher Head

ECN: 14825

2021 Pricing - \$25,300



Photo Credit: Bobcat.com

Equipment Number	Manufacturer	Model	Year	County
224-1778	Bobcat	7204127	2013	D8

## Heavy Duty Brush Cutter (Skid Steer)

ECN: 14826

2021 Pricing - \$11,600+



Photo Credit: Bobcat.com

Equipment Number	Manufacturer	Model	Year	County
329-1778	Diamond	D742	2018	D1
264-1778	Bobcat	FC-200	2015	D11
129-1778	Bobcat	FC-200	2008	D12
246-1778	Bobcat	FC-200	2015	D2
301-1778	Diamond	D742	2017	D2
291-1778	Bobcat	FC-200	2017	D3
314-1778	Bobcat	FC-200	2018	D3
298-1778	Bobcat	N/A	2017	D6
283-1778	Diamond	D742	2016	D6

## Heavy Duty Brush Cutter (Skid Steer)

ECN: 14826

2021 Pricing - \$11,600+



Photo Credit: DiamondMowers.com

Equipment Number	Manufacturer	Model	Year	County
261-1778	Bobcat	FC-200	2015	D6
345-1778	Bobcat	FC-200	2019	D8
297-1778	Bobcat	FC-200	2017	D8
233-1778	Rockhound	84F-H	2014	D8
180-1778	Loftness	72HM207	2011	D8
238-1778	Bobcat	FC-200	2015	D8
328-1778	Bobcat	FC-200	2018	D8
332-1778	Bradco	BC-72GS	2018	D9
295-1778	Bradco	BC-72GS	2017	D9
350-1778	Paladin	XDSS	2020	D9
349-1778	Paladin	XDSS	2020	D9

# Tow Behind Woodchipper

ECN: 002910

2021 Pricing - \$35,880



Photo Credit: Altec.com

Equipment Number	Manufacturer	Model	Year	County
139-2505	Bandit	150	2005	D8
137-2505	Bandit	150	2005	D9
136-2505	Bandit	150	2005	D10
135-2505	Bandit	150	2005	D5
134-2505	Bandit	250	2005	D6
146-2505	Bandit	250	2006	D5
145-2505	Bandit	250	2006	D12
144-2505	Bandit	250	2006	D12
143-2505	Bandit	250	2006	D12
142-2505	Bandit	250	2006	D12
141-2505	Bandit	150XP	2006	D12
149-2508	Bandit	250XP	2007	D5
148-2505	Bandit	150	2007	D8
147-2505	Bandit	BC1000XL	2007	D8
192-2505	Vermeer	150XP	2008	D10
154-2505	Bandit	150XP	2008	D8
153-2505	Bandit	150XP	2008	D8
152-2505	Bandit	150SP	2008	D8

# Tow Behind Woodchipper

ECN: 002910

2021 Pricing - \$35,880



Photo Credit: Altec.com

Equipment Number	Manufacturer	Model	Year	County
151-2505	Bandit	150XP	2008	D5
150-2505	Bandit	250XP	2008	D5
157-2505	Bandit	150XP	2009	D8
156-2505	Bandit	150XP	2009	D8
155-2505	Bandit	150XP	2009	D9
158-2505	Bandit	M-150XP	2010	D5
162-2505	Bandit	M150	2011	D9
161-2505	Bandit	M150	2011	D6
160-2505	Bandit	M150	2011	D5
159-2505	Bandit	150XP	2011	D2
167-2505	Altec	DC1317	2012	D8
166-2505	Altec	DC1317	2012	D10
162-2505	Altec	DC1317	2012	D6
164-2505	Altec	DC1317	2012	D2
163-2505	Altec	DC1317	2012	D9
170-2505	Altec	DC1317	2013	D6
169-2505	Altec	DC1317	2013	D5
168-2505	Altec	DC1317	2013	D2

# Tow Behind Woodchipper

ECN: 002910

2021 Pricing - \$35,880



Photo Credit: Altec.com

Equipment Number	Manufacturer	Model	Year	County
174-2505	Altec	DC1317	2014	D10
173-2505	Altec	DC1317	2014	D5
172-2505	Altec	DC1317	2014	D2
171-2505	Altec	DC1317	2014	D2
176-2505	Altec	DC1317	2015	D8
175-2505	Altec	DC1317	2015	D6
178-2505	Altec	DC1317	2016	D9
177-2505	Altec	DC1317	2016	D8
185-2505	Altec	DC1317	2017	D8
183-2505	Altec	DC1317	2017	D9
182-2505	Altec	DC1317	2017	D4
181-2505	Altec	DC1317	2017	D4
180-2505	Altec	DC1317	2017	D10
179-2505	Altec	DC1317	2017	D4
187-2505	Altec	DC1317	2018	D10
186-2505	Altec	DC1317	2018	D3
188-2505	Altec	DC1317	2019	D10
190-2505	Altec	DC1317	2020	D9

## Woodchipper - Skid Steer Attachment

ECN: 14850

2021 Pricing - \$12,400



Photo Credit: Bearcatproducts.com

Equipment Number	Manufacturer	Model	Year	County
202-1778	Bearcat	CH-500H	012	D12
214-1778	Case	Echo	2013	D8
215-1778	AmmBusher	AM720	2013	D8

## Woodchipper - 3 Point Hitch Attachment

\*65 HP + Tractor\*

ECN: 16160

2021 Pricing - \$21,000



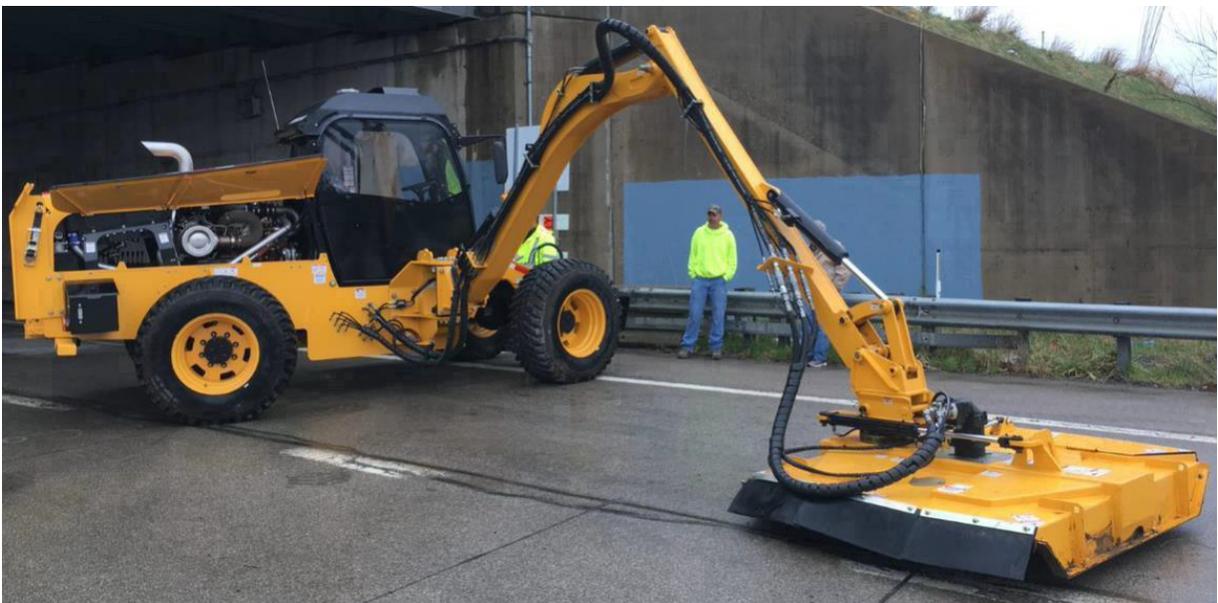
Photo Credit: Wallensteinequipment.com

Equipment Number	Manufacturer	Model	Year	County
184-9505	Wallenstein	BX102R	2017	D1

# Additional Highlighted Pieces

\*\*Not all “Additional Highlighted Pieces” are currently owned by PENNDOT. These are merely highlighted pieces that PENNDOT has researched and held vendor demonstrations \*\*

# MowerMax Boom Arm Mower



# MowerMax Boom Arm Mower



# MowerMax Boom Arm Mower



## General Observations of the “MowerMax” by Atmax Equipment Co.

### The Good

- The machine is fairly stable with boom extended compared to other Boom Arm Mower Tractors.
- Vision from inside the machine is very good.
- The machine has an optional skid steer plate attachment on the front that allows the use of some attachments that would be used on a skid steer (snow blower, broom, etc.).
- The machine is very quiet.
- The boom can also have other attachments applied to it such as brooms, blower, etc.
- There are many lights making it visible like a construction equipment.
- The machine can “crab walk” by steering all wheels in the same direction. This is one of three steering options.
- The machine is in constant all-wheel drive.

### The Bad

- This is a hydrostatic driven machine, and the forward and reverse pedals are very close side by-side making it easy to hit the wrong one.
- The boom can hit the front tire if brought out in front of the machine while mowing.

Overall, this is a nice machine if you just want a boom arm mower, but it has limited use after that. There are options that would have to be investigated for other uses.

# Fecon 15" Tree Shear

Approx. \$30,500



Photo Credit: Fecon.com

# Fecon 15" Tree Shear

Approx. \$30,500

## General Observations of Fecon 15" Tree Shear

### Tree Shear Attachment for Excavator

#### Minimum Recommended Equipment Size:

The excavator must be used on a 25,500-pound machine.

#### Attaching:

Attaching to the excavator takes approximately fifteen minutes. You must remove the twistrest two pins and hydraulic hoses and one wire plug for the shear. Additionally, you must install protective plexiglass over the windshield.

#### Operation:

The shear is wired into the buttons on the joystick of the excavator. This makes for easy operation with one added button on the right side. The machine handles the trees with ease. It has the ability to grab them, shear them off, lay them down, and place them where needed out of the way while the operator is in the cab and out of danger. The shear takes away all the hazard of cutting with a chainsaw or working on hazardous steep banks. It can also be used to top trees without the hazard of using the bucket truck and dropping the trees on the bucket truck as well as motorists going by the operation. This will make the brushing operation more productive and safer for all workers.

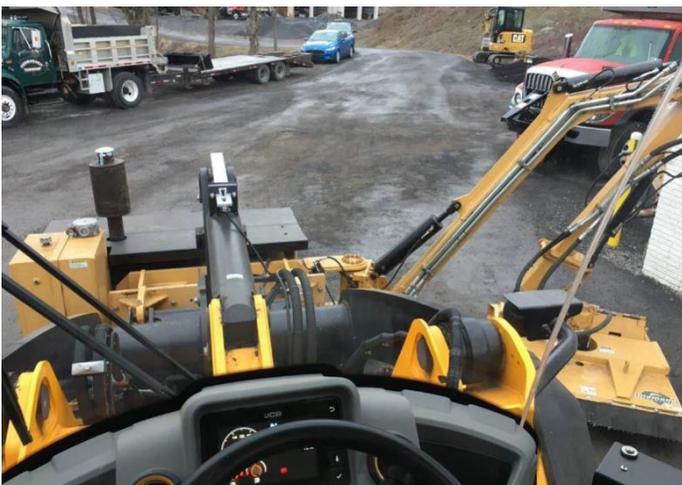
#### Maintenance

The maintenance on the machine is just a couple grease fittings and sharpening of the blades along with the adjustments as needed.

Equipment Number	Manufacturer	Model	Year	County
N/A	Fecon	15"	2021	D10

# Diamond Mowers Loader Mounted Boom Arm Mower

Approx. \$103,500



# Diamond Mowers Loader Mounted Boom Arm Mower

Approx. \$103,500

## General Observations of Boom Arm Mower Attachment for Front End Loader

- The loader must be large (3 cubic yards).
- Attaching to loader – The loader with quick attach is very simple with 2 wires to plug in after attached.
- Though a heavy attachment, it is no problem for this size loader. It is very stable even when extended out to max. It looks more stable than a tractor with boom arm.
- With a mounted joystick in the cab, it is very easy to operate. Separate joysticks are available for use on different loaders without removing the joystick from loader to loader.
- The reach is impressive as seen in videos.
- The best thing about it is that it is out in front of you. From an operator standpoint, I would prefer this compared to a boom arm mower mounted on the side where you are kind of sideways compared to looking more to the front and side of the machine. While sitting in the cab of the loader, you can see your mirrors better because your body is sitting straight. Also, you can bring the boom out in front of the machine and cut before you run over something that may puncture your tires, which is common with a tractor.
- I spoke with the operators from the township that did the demonstration. They said they fuel up once a day, and that is sufficient. Noise in the enclosed cab is that of normal machinery, so not too bad.
- I asked them about maintenance on the piece, and they stated that they had the attachment for 3 years and replaced the blades once due to hitting a stump early on and bending one.
- There are grease areas that they grease at intervals. Other than that, they said it is easy to maintain.

Overall if a county has a need for a boom arm mower and that is all they are going to use the tractor for, I would say this is a good alternative attachment for a loader.

# 51" Remote Control Mower

\*4-5 Hour Battery Time\*

ECN 17440

2021 Pricing - \$82,000



Photo Credit: alamo-industrial.com

## General Observations of 51" Remote Controlled Mower

### Alamo RidgeRunner is now the Alamo Traxx RC28

- Rotary-type remote controlled industrial mower for cutting grass and light brush in areas not accessible to conventional mowing equipment or not safe for operators.
- Low center of gravity and lightweight design (1,058 pounds) provides stability in all-terrain and minimizes the surface disturbance.
- Maximum working angle of 55°.
- Remote range up to 500 feet.
- 28 HP engine.
- 43-inch mower deck cutting width.
- Concern – more extensive training is needed for operators or have designated operators to ensure they fully understand the operation of the equipment.

Equipment Number	Manufacturer	Model	Year	County
899-9918	Traxx	Alamo	2016	D8

# Ventrac 4500Z Mower

Approx. \$47,863



# Ventrac 4500Z Mower

Approx. \$47,863

## General Observations of Ventrac 4500Z Mower

The Ventrac Unit was an excellent addition to the County Maintenance Equipment Inventory. The versatility and wide variety of attachments allow maintenance crews to mow thick brush and vegetation on steep slopes and embankments leading up to bridges and overpasses, porkchop areas at on and off ramps, and interchanges. The Ventrac has become a useful tool in our Stormwater Management Maintenance Program for mowing and brushing stormwater control measures.

During the winter maintenance season, the enclosed (heated) cab is installed along with a front mounted snow-blower and rear salt spreader to clear and treat a pedestrian bridge/sidewalk leading into the Capital City.

The only con to this machine would be the air inflated tires suffering punctures in heavy brush.

- All wheel drive tough terrain tractor
- 32.5 HP engine
- Dual wheels
- Slope indicator guage
- Max slope intermittent use 30 degrees
- Hitch and PTO
- Wide variety of attachments

Useful tool for Stormwater Management Maintenance Program for mowing and brushing stormwater control measures.

