

DIRT, GRAVEL AND LOW VOLUME ROAD MAINTENANCE GRANT APPLICATION

<u>Your County, PA</u> Project Location: County	<u>Every Township</u> Project Location: Municipality	District Use Only Application Type: ☒ DGR ☐ LVR Work Site ID: <u>A001</u> Date Received: <u>3/15/2015</u>
<u>Joe Roadguy</u> ESM Certified Person	<u>Twp. Roadmaster</u> Position	<u>Nov. 2014</u> Certification Date
<u>Every Township, Your County, PA</u> Official Name of Applying Agency		
<u>811 Whispering Pine Rd. Pottsville, PA 16555</u> Mailing Address		
<u>Dixie Wise</u> Contact Person	<u>814-295-5155</u> Phone	<u>814-295-5152</u> Fax
<u>dwise@hotmail.com</u> E-Mail		

<u>Any Mountain Road / TR 301</u> Road Name / ID Number	<u>tributary Cold Bottom Creek</u> Affected Stream or Tributary
<u>5-18-2015</u> Proposed Project Start Date	<u>5-1-2016</u> Proposed Project Completion Date
Existing Road Surface Type: ☒ Unpaved ☐ Paved Is project considered an emergency? ☐ Yes ☒ No	

- The applicant is required to identify and obtain all necessary permits before starting the project.
- Identify the proposed work elements: ☒ Ditches Improved ☒ Ditch Outlets Added ☒ Off Right-of-Way Improvements
☐ Road Banks Improved ☐ Road Base Improved ☒ Road Surface Stabilized
☐ Stream Crossings Improved ☐ Storm Water Improvements ☐ Vegetative Management ☐ Other _____
- The applicant is required to obtain the DSA Specification and Certification form prior to DSA placement.
- Complete Attachment B "Project Work Plan" including a sketch of proposed project. Attach a locational map with the project highlighted.
- Project cost estimate: (summarize costs here and attach detailed documentation if needed)

Materials	Grant Requested Funds Equipment	Labor	Materials	In-Kind Contributions Equipment	Labor
<u>\$19,666.00</u> See attached Sheet			<u>\$400.00</u>	<u>\$2,700.00</u>	<u>\$1,600.00</u>
			See Attachment Sheet		
See Attachment A1			See Attachment A2		

Grant Requested.....	\$	<u>19,666.00</u>
In-Kind Contributions.....	\$	<u>4,700.00</u>
Total Project Value.....	\$	<u>24,366.00</u>

Dixie Wise
 Applicant Signature

3-6-15
 Date

SECTION 9106 OF THE PENNSYLVANIA VEHICLE CODE
DIRT, GRAVEL AND LOW VOLUME ROAD MAINTENANCE
DETAILED ESTIMATED PROJECT EXPENDITURES
GRANT REQUESTED FUNDS

Use best estimates and complete as much info as possible.

Materials			
Type	Unit Cost	Qty	Cost \$
18" Plastic Pipe	8.50/ft	60	\$ 510.00
15" Plastic Pipe	7.00/ft	100	\$ 700.00
DSA	22.00/ton	740	\$ 16,280.00
ZA	12.00/ton	110	\$ 1,320.00
ZRC	11.00/ton	45	\$ 495.00
Wall Stone	\$ 150.00/pallet	2	\$ 300.00
Plygrass Seed	3.00/lb	7	\$ 21.00
Straw	5.00/bale	8	40.00
Total Materials \$			19,666.00

* FFMA rates are only applicable where municipality-owned equipment is used otherwise use contracted rates.

Total Grant Requested: \$ 19,666.00

(materials + equipment + labor)

Mountain Road / TR 301

Every Township

Applicant

Road Name / ID Number

Date _____

Equipment				Labor			
Type	Hours	FEMA * Rate/Hr	Cost \$	Type	Rate/Hr	Hours	Cost \$
- includes all equipment and labor							
Total Equipment \$				Total Labor \$			

*Prevailing wage may apply to projects over \$25,000 when a contractor is involved.

Total Grant Requested: \$ 19,666.00

DIRT, GRAVEL AND LOW VOLUME ROAD MAINTENANCE DETAILED ESTIMATED PROJECT EXPENDITURES IN-KIND FUNDS

Use best estimates and complete as much info as possible.

Materials			
Type	Unit Cost	Qty	Cost \$
Sandstone Fill	4.00/ton	100	\$400.00
Total Materials			\$400.00

* FEMA rates are only applicable where municipality-owned equipment is used of

Equipment			
Type	Hours	FEMA* Rate/Hr	Cost \$
Backhoe	40	33 ⁰⁰ / _{hr}	\$ 1,320. ⁰⁰
Dump Truck	16	65 ⁰⁰ / _{hr}	\$ 1,040. ⁰⁰
Jumping Jack	68. ⁰⁰ / _{day}		\$ 340. ⁰⁰
Total Equipment \$			\$ 2,700. ⁰⁰

1. The use of otherwise use contracted rates.

Labor			
Type	Rate/Hr	Hours	Cost \$
Township	20. ⁰⁰	80	\$1,600. ⁰⁰
Total Labor \$			\$1,600. ⁰⁰

*Prevailing wage may apply to projects over \$25,000 when a contractor is involved.

Total In-Kind Contributions: \$ 4,700.⁰⁰ (materials + equipment + labor)

(materials + equipment + labor)

Dr. Mountain Road

Every Township

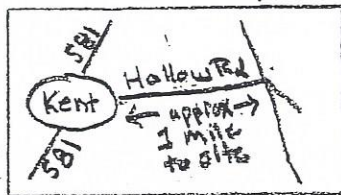
County

Road Name / ID Number

Date _____

3-6-15

Any Mountain Road
Dirt and Gravel Road Project 2014
Every Township, Your County
Sketch AMR I
Not to Scale



- Install three new pipes (15" Black Plastic Smooth Bore) and replace two pipes (18" Black Plastic Smooth Bore)
- Install Headwalls + Endwalls on all pipes
- Grade existing road to a 4% center-crown (1/2" of fall per 1' road width)
- Paver place DSA to a uniform loose depth of 6" to 6' wide. Reflect center-crown built into base. Compact with vibratory roller (minimum 10 ton).
- Keep pipes as shallow as practical and ensure a minimum of 2% fall from inlet to outlet.
- Grade wide-shallow ditches with continuous fall
- Stabilize areas of roadside disturbance with contractor mix grass seed + mulch

Materials Estimate:

- 18" Dia. Smooth Bore Pipe - $60' @ \$8.50/\text{ft} = \510.00
- 15" Dia. Smooth Bore Pipe - $100' @ \$7.00/\text{ft} = \700.00
- Driving Surface Aggregate - 740 tons (paver placed + compacted)
- 2A Aggregate for Poor Bay Road (approx 5 tri-axle loads)
- 2RC Aggregate - 45 tons (approx 2 tri-axle loads)
- Grass Seed + Straw Mulch = \$61.00
- Dimensional Wall Stone - 2 pallets = \$300.00
- 2A @ $12.00/\text{ton} = \$1,320.00$
- DSA @ $22.00/\text{ton} = \$16,280.00$
- 2RC @ $11.00/\text{ton} = \$495.00$
- Total Materials Estimate = \$19,666.00

Hollow Road

- 00+00 Remove + Replace pipe
40' x 18" BPSB pipe

Poor Bay Road
Base Improvement
with PennDOT 2A

- 03+52
New 30' x 15"
BPSB pipe

- 06+22
New 30' x 15"
BPSB pipe

Any Mountain Road

- 10+93 Remove + Replace pipe
20' x 18" BPSB pipe

- 13+16
New 30' x 15"
BPSB pipe

- 14+09 Existing Stream pipe

- 15+42 Existing pipe

Any Mountain Road Dirt and Gravel Road Plan Every Township, Your County, PA

A large amount of water from Poor Boy Road and the woods uphill erodes the ditch on Any Mountain Road and flow leaves the ditch and causes ruts and stone to wash from the road. There is very little of the limestone surface left on most of the road. The road drains to Cold Bottom Creek.

The project is located 1 mile east of route 581 in Kent. It is 1,542 feet long and begins at the crosspipe at the intersection with Poor Boy Road and ends at the first crosspipe east of the stream pipe. The project also includes base and drainage work on approx. 200 feet of Poor Boy Road, a private development road that currently drains to the road ditch on the west end of the project.

The plan is to correct drainage problems and improve the road surface with DSA.

00+00 – Remove and replace existing crosspipe with 40 feet of 18 inch pipe. Remove soft clay on Poor Boy Road and fill with sandstone from township pit. Shape the road with sandstone to flow to new 18 inch pipe. Make shallow swale where Poor Boy Road meets main road. Top the sandstone with 6" of 2A and grade to match shape of base.

03+52 – New 30 foot 15" pipe angled downslope. Headwalls on both ends.

06+22 – New 40 foot 15" pipe angled downslope toward spoil pile near posted sign. Headwalls on both ends.

10+93 – Remove and replace existing crosspipe with 20 feet of 18 inch pipe. Install new pipe approx. one foot farther toward upslope ditch than existing pipe was.

13+16 – New 30 foot 15" pipe angled downslope. Headwalls on both ends.

14+09 – Location of stream pipe.

15+42 – Location of first existing crosspipe east of stream.

Grade the road from ditch to ditch to make a 4% center-crown before installing DSA. Place DSA with a paver to 16 feet wide and a loose depth of 6 inches and compact with a vibratory roller.