

STAR LAKE TOWNSHIP

2018 GRAVEL PLAN and Road Maintenance Projects

Includes Carry Over from 2017 – ~~5/21/18, 7/2/18, 9/10/18, 11/1/18~~

Dust Control Projects

Strike Through = DONE.

GRAVEL PROJECTS: Application rate of 200 yds./mile, or 20 yds./0.1 mile, unless otherwise noted
Cubic Yard Rates: CI-5 \$7.50/8.35, **CI-5M \$8.05/8.90**, CI-1 \$9.75/10.65.

- ~~1. **380th St. East** – Class 5M beginning at #32211 (just past Bright Star Rd.) going east for .7 miles to #32689 (flagged). Apply on north side of roadway. 140 yds X \$8.05 = \$1127.
A. CI 5M from #33000 to #33132 (flagged) .2 mi. 40 yds X \$8.05 = \$322.~~
- ~~2. **Bright Star Road** – One tandem load of standard Class 5 at the south end of the public road – see flags. 10 yds X \$7.50 = \$75.~~
- ~~3. **Bambi Drive** – CI 5M starting at intersection of Bambi Trail going east for .1 mile, apply *DOUBLE WIDE*, (flagged) 40 yds X \$8.05 = \$322.~~
- ~~4. **380th St. West** – CI 5M for .1 mile in vic. of #30464, (flagged) 20 yds X \$8.05 = \$161.~~
- ~~5. **280th Ave. No.** – Class 5M sporadically from Hwy 108 south approx. 1.3 miles to entrance of Egge Gravel pit – ECI to provide.~~
- ~~6. **390th St.** – Approx. ½ mile east of 280th Ave., Apply CI 5M for 700 ft. vicinity of #28629 (flagged), 30 yds X \$8.05 = \$241.50.~~
- ~~7. **390th St.** – CI 5M east .5 miles from #28758 to quarter line (flagged). 100 yds X \$8.05 = \$805.~~
- ~~8. **300th Ave. No.** – Class 5M from Hwy 108 south .1 mile. 20 yds X \$8.05 = \$161.~~
- ~~9. **390th St.** – CI 5M east from Lodge Loop to East Lodge Loop (Franks Lodge), apply *DOUBLE WIDE* for .2 miles, 80 yds X \$8.05 = \$644.~~
- ~~10. **390th St.** – CI 5M west from Hwy 41 for .3 miles. – Apply *DOUBLE WIDE*. 120 yds X \$8.05 = \$966.~~
- ~~11. **300th Ave, Middle** – North from Hwy 24 for .5 miles to #35930, 100 yds X \$8.05 = \$805.~~
- ~~12. **285th Ave.** – Class 5M north .1 mile from #34480. 20 yds X \$8.90 = \$178.~~
- ~~13. **Skyhawk Drive** – CI 5 entire length; .7 miles – 4" thick. 280 yds X \$8.35 = \$2,338.~~
- ~~14. **300th Ave. So.** – Class 5M south from #35187 .3 miles at double width. – 120 yds X \$8.90 = \$1,068.~~

- ~~15. **300th Ave. So.** — Going north of Hwy 35 apply Cl 5M from #33015 north for .2 miles (flagged), 40 yds. X \$8.90 = \$356.~~
- ~~16. **360th St.** — Class 5M from #31573 east .5 miles to Hwy 35 (flagged) — 100yds X \$8.90 = \$890.~~
- ~~17. **355th St.** — West from intersection of Big Rock Road apply DOUBLE WIDE for .2 miles, (flagged) 80yds X \$ 8.90 = \$712.~~
- ~~18. **Big Rock Road** — South from intersection of 355th St. for .1 mile, apple DOUBLE WIDE, (flagged), 40 yds X \$8.90 = \$356.~~
- ~~19. **Big Rock Road** — Cl 5M South from Hwy 35, .4 miles to Star Creek intersection; 80 yds, X \$8.35 = \$668.~~
- ~~20. **Big Rock Road** — Start .1 mile west of #36771 for .2 miles (flagged), 40 yds X \$8.90 = \$356.~~
- ~~21. **Beaver Dam Rd. So.** — From Hwy 35 north for 100', 10 yds. X \$8.90 = \$89.~~
- ~~22. **Beaver Dam Rd. So.** — Class 5M for .2 miles north from Hunters Beach Road to intersection with 380th St.. 40yds X 8.90 = \$356.~~
- ~~23. **Big Rock Road** — Enter going east to #35145, apply Cl 5M for .4 miles (flagged), 80yds X \$8.90 = \$712.~~
- ~~24. **Town Hall Yard** — Three tandems of Class 5. 30 yds X \$7.50 = \$225. One to be spread evenly on back drive — one on front drive — and one dumped in back storage area. No belly dumper in this area.~~

PROJECTED GRAVEL COST OF \$13,709.

PHASE II GRAVELLING PROJECTS:

- ~~25. **Starland Shore Drive** — Class 5M entire length of .3 miles — 60 yds X \$8.90 = \$534. *This projected postponed to 2019.*~~
- ~~26. **Beaver Dam Road North** — Class 5M south from end of pavement to intersection with Beaver Dam Point. 20 yds X \$8.90 = \$178.~~
- ~~27. **Beaver Dam Point** — Class 5M from top of hill to top of hill (flagged), approx. .2 miles — apply DOUBLE WIDE, 80 yds X \$8.90 = \$712.~~
- ~~28. **280th Ave. North** — Class 5M from the hill south of 390th St. north to Hwy 108. ECL.~~

29. ~~380th St. West~~ — Class 5M from Hwy 41 to vic# 30464 (flagged), approx. .7 miles — 140 yds X \$8.05= ~~\$1127.~~
30. ~~360th St.~~ — Class 5M from west side of hill over the top (flagged), approx. .2 miles — apply DOUBLE WIDE, 80 yds X \$8.05= ~~\$644.~~
31. ~~Town Yard Drive~~ — Class 5 on west side of curved drive (flagged), 12 yds X \$7.50= ~~\$90.~~
32. ~~Bambi Drive/Trail~~ — Class 5M north from 380th St. for .3 miles, 60yds X \$8.05= ~~\$483.~~ **“AND”** Class 5M from cul-de-sac to cul-de-sac, approx. .4 miles — apply DOUBLE WIDE, 160 yds X \$8.05= ~~\$1288.~~
33. ~~300th Ave. South~~ — south from vic# 34724 for .5 miles (flagged) apply DOUBLE WIDE, 100yds X \$8.90= ~~\$890.~~ **“AND”** Class 5M south of town line for .2 miles (flagged) apply DOUBLE WIDE, 80 yds X \$8.90= ~~\$712.~~
34. ~~285th Ave.~~ — Class 5M in vic# 34943 (flagged) for .3 miles, 60 yds X \$8.90= ~~\$534.~~

Projected Cost of Phase II Gravel - \$6,658.

ROAD PROJECTS:

1. ROAD/CULVERT PROJECTS:

- a. ~~Beaver Dam Point~~ — ECI Project. Install 15” culvert under driveway at #39895, and install slope/ditch to drain, and seed/blanket disturbed area to mitigate erosion.
- b. ~~390th Street~~ — Large culvert just east of Franks Lodge entrance. Remove & replace Clemson device, and clean basin and immediate area of debris.
- c. **Big Rock Road & Hwy 35** – SLT Project. Clean culvert basin and adjacent ditch area with diamond mower, followed by flushing of culvert (DFD?).
- d. **Starland Shore Drive** – SLT Project/Sazma Cont.. Perform shouldering maintance to reclaim roadway shoulders. *POSTPONED until 2019.*

2.POTENTIAL ROAD REPAIRS: The following areas to be monitored and repairs to be made as needed:

- a. **380th East** – Repair of dry soft spot beginning 200’ east of Spruce Loop (#32030) to a point 100’ west of 32030. (east side of Spruce Lodge) Will involve excavation, installation of geo-fabric, backfill, and graveling.
- b. **380th St. West** - West of town hall, repair soft spot with excavation, geo-fabric & gravelling.
- c. **380th St. West** – Vic of intersection 303rd Ave., repair significant soft spot with geo-fabric and gravelling.
- d. **390th St.** – Repair of soft spot with geo-fabric and gravelling. From West Lodge Loop west for approx.. 200’.
- e. **300th Ave. Middle** – North of # 36670 for approx. .3 miles, Repair of multiple soft spots with geo-fabric and gravelling. Needs thorough review of culvert conditions.
- f. **300th Ave. So.** – Repair of significant soft spots just south of Hwy 24 with geo-fabric and gravelling.

CULVERT ISSUES:

- ~~1. Install culvert markers on primary culverts and recently repaired ones. Mark, inventory, and pass to contractor. Should get 10-12 to start with...~~
- 2. **300th Ave. Middle** – Vic # 37612 (east side flagged), clean east basin/cut saplings, have **contractor flush to clear tube. ECI??**
- 3. **300 Ave. Middle** – Vic # 36670, south ½ mile culvert rusted & crushed. Mark, inventory, monitor...
- 4. **Kreuger Loop** – Clean culvert drain basins vic# 36967 (flagged).
- 5. **280th Ave. No.** – Vic 38391-mark, inventory & clean basins, ECI??
- 6. **380th St. W.** – West of intersection with 303rd Ave., mark, inventory, clean basins.

7. **Big Rock Rd. East** – Between Buddy Ln. & Trumpeter Loop north end basin need cleaning, mark, & inventory.
8. **Big Rock Rd. & Trumpeter Loop** – North end needs cleaning, mark, & inventory.
9. **Big Rock Rd. – along Dead Lake** (flagged), mark & inventory.
10. **Big Rock Rd. – Just south of intersection with 355th St.** mark & inventory, as well as 355th recent repair.

SIGNAGE ISSUES: (7/2/18)

- ~~1. Install “Dead End” sign on Bambi Drive just north of intersection with 380th St.,~~
- ~~2. Install “Bump” signs on each side of road on 300th Ave. Middle – 50’ prior to the culvert hump on the east & west side of the road,~~
- ~~3. Install School Bus Stop signage on 300th Ave. Middle,~~
4. Inventory/replace/repair all damaged/substandard signs,

RIGHT OF WAY ISSUES (7/2/18)

1. **380th St. East** - Shrubs on Drvwy sides and metal fence posts within ROW, vic.#33109 (PO to be notified), PO Letter.
2. **Starland Shore Drive** – Mail box at 32403 too close to roadway. Contact PO for corrective action. Ray to remove SL Fire Sign at entrance,
- ~~3. **Downy Drive & 35** – Remove four old sign posts and remove wire running from fence post to Ken’s Gun Repair sign,~~
4. **Bambi Drive** – Remove small pine trees from ROW vic# 38390, PO letter.

GRADER OPERATOR NOTES:

1. 380th St. East – slope north to south from Bright Star Rd. thru Camp Joy swamp,
2. Cul-de-sacs – Insure all are graded regularly to insure vegetation is not encroaching upon the roadway.
3. All – watch for high shoulders and take shallow cuts to work down.

4. Make note of any tree trimming needs and report to Lee M.

TREE TRIMMING: (7/2/18)

- ~~1 Bright Star Road — trim over hanging branches at south end,~~
- ~~2 380th Street East —
 - ~~a. trim over hanging branches at east end,~~
 - ~~b. trim over hanging branches vicinity of #32211 to 32179,~~
 - ~~c. trim over hanging branches of pine trees on north side at Spruce Lodge,~~~~
- ~~3 380th Street West — Cut leaners on north side of road west of #28610 and also leaners on south side at end of fence line,~~
- ~~4 300th Ave. Middle — Just south of #36044, west side — remove dead tree, and cut leaners on east side,~~
- ~~5 360th Street — Remove dead tree vicinity # 3157 on south side plus any other dead trees (this is at top of hill),~~
- ~~6 Beaver Dam Trail — west from Beaver Dam Road to 33697, trim branches in ROW on southside,~~
- ~~7 Big Rock Road — West of 36771, trim branches on south side; and approx.. 500' west of #35597 take down dead trees on southside,~~