

March 21, 2016 Newberg Council Packet
Supplemental Material
for
Business Session
Agenda Item IX New Business # 2
Sportsman Airpark

Runway and Taxiway Maintenance Costs

Mowing Costs

Mowing season runs from Approximately March through October. During this time, the property needs to be mowed on average every 10 days. Earlier in the year this is more frequent, later in the year this is less frequent, hence the average. Each mowing cycle takes approximately 8 hours to complete using our current equipment. Based on these numbers we get this calculation:

7 months X 30 days/month = 210 days

210 days / 10 days = 21 10 day periods

21 10 day periods X 8 hours per period = 168 hrs of mowing per year

168 hrs per year at approximately \$20 cost per hour = \$3360 per year

Runway and Taxiway Maintenance Costs

Once the new runway and taxiway system is completed, the main things that need to be accomplished to maintain these new surfaces will be sealing the asphalt periodically. After the first 2 years, a fog seal will need to be applied. 5 years after that, a slurry seal will need to be applied. This slurry seal will need to be applied every 5 years after this as well. It should also be noted that Sportsman Airpark will be eligible for funding from the Oregon Dept. of Aviation's (ODA) Pavement Maintenance Program.

The surface area size is as follows:

Runway: 3000 feet long X 60 feet wide = 180,000 square feet

Taxiways: ~4500 feet of length X 25 feet wide = 112,500 square feet

Total surface area: 292,500 square feet

From the 2015 ODA Pavement Maintenance Program, costs of sealing are as follows:

Fog seal: \$0.11 / square foot

Slurry seal: \$0.25 / square foot

So, assuming these costs and areas, we arrive at these calculations, assuming the runway and taxiway system was completed in 2017.

2019	Fog seal applied at a cost of	\$32,175
2024	Slurry seal applied at a cost of	\$73,125
2029	Slurry seal applied at a cost of	\$73,125
2034	Slurry seal applied at a cost of	\$73,125
2039	Slurry seal applied at a cost of	\$73,125

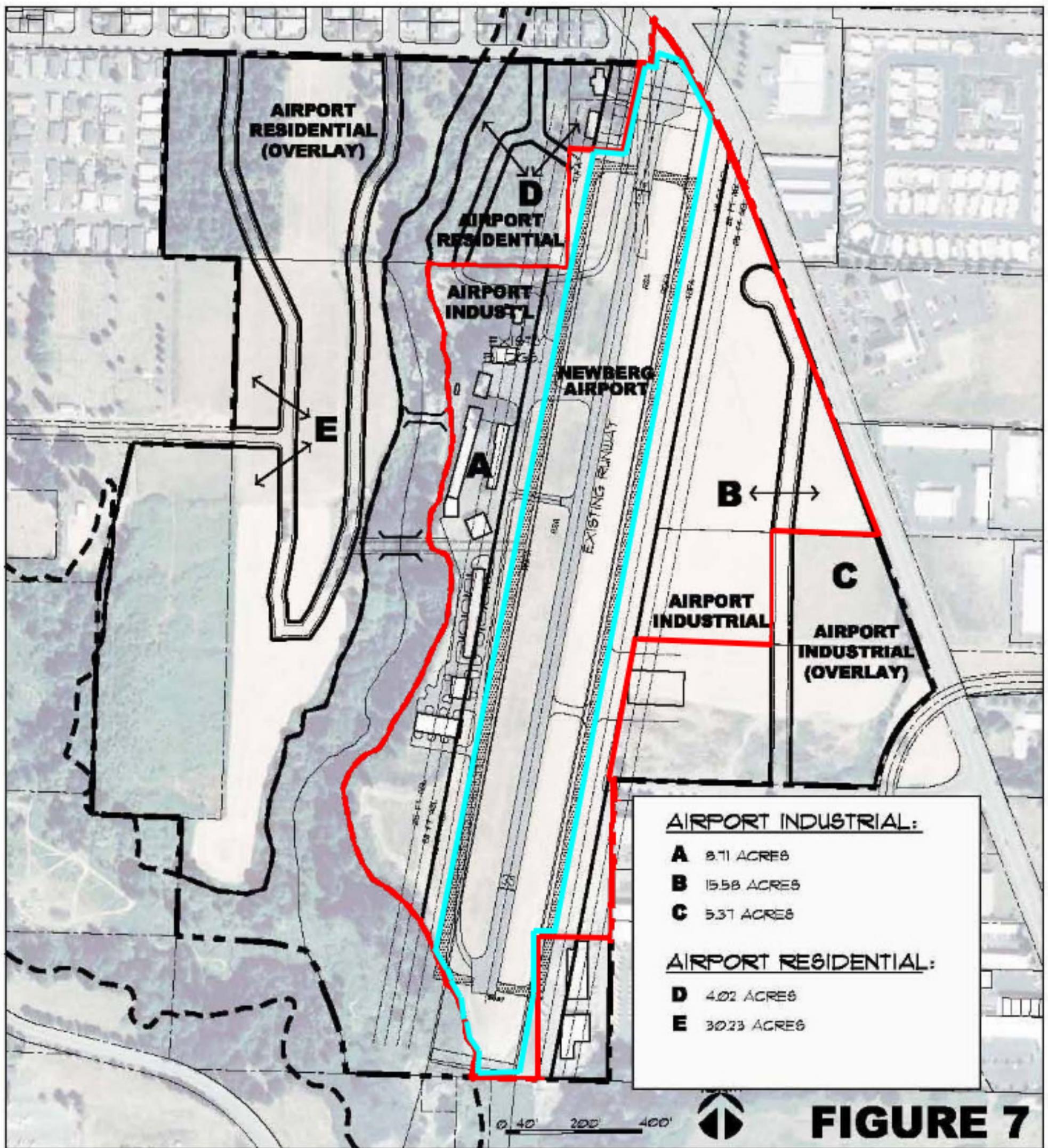
Lighting Maintenance Costs

The runway lighting system is on the list of the upgrades that will occur upon improvement of the runway and taxiway system. It is currently undecided as to the nature of the upgrades that will take place. However, currently, the costs to maintain this system are minimal. They consist of replacing burnt out bulbs, and periodic repairs from damage. These costs are approximately **\$200/year**.

Pest Control

This is a concern, but an easily managed one. Our current pest control costs are minimal, approximately **\$200/ year**. This consists of mostly gopher and mole removal.

Estimated annual maintenance costs (excluding fog/slurry seal) - \$3,760.



KEY: PROPOSED AIRPORT DISTRICT AREA
 STREAM CORRIDOR
 DEVELOPABLE AREA

**DEVELOPABLE
LAND AREA**



DATE: 3/20/06
SCALE: 1" = 400'-0"

SPORTSMAN AIRPARK
CITY OF NEWBERG -- OREGON

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