November 20, 2024

Carson City Airport Manager's Report Prepared by Corey Jenkins

Managers' Report

- Pavement Maintenance
    - Airport Operations and Maintenance are working on the next phase of pavement maintenance
        - Wood Rodgers is providing guidance to the Airport Operations and Maintenance Supervisor on the next steps for this project
- The utilities have been put in place across taxiway Bravo.
    - Utility Easement in process for connection
- Working with the City on updating Title 19 with the changes approved by the CCAA
    - The changes to Title 19 have been approved by the Carson City Board of Supervisors
- We have received the new Snowplow and all of the snow removal equipment is prepared for snow removal operations
- Working on a Through-The-Fence permit request east of Bravo
    - The permit request may be ready for approval at the January CCAA meeting.
- Worked with board members, members of the community, and the FAA to assist with the development of a handout with guidance on operations at non-towered
    - This project is complete, and we are printing the handout for distribution
    - Special thanks to Larry Cheek for initiating this project.
        - Congratulations to Larry Cheek on his retirement from the FAA
- A comprehensive airport lighting update report prepared by Rick Lee is attached
- At a Master Project Review meeting with the City I learned about a neighborhood being built east of the airport.
    - The neighborhood is up hill from the Airport and could potentially cause an issue due to its proximity to protected airspace.
    - I identified the risk to the developer and am in the process of executing an Avigation Easement to protect the airspace.

Fuel Flowage

Total							
	Self-Serve		Full-Service		Total Combined		% Change
Month	100LL	Jet A	100LL	Jet A	Gallons	Fuel Flowage Fee	Annual Change
January-24	5932	1389	2655	10751	20727	$ 1,036.36	97%
February-24	6355	637	1343	13511	21847	$ 1,092.34	12%
March-24	7206	353	2737	13374.9	23670	$ 1,183.51	52%
April-24	9776	334	3489	8998	22598	$ 1,129.89	5%
May-24	10401	1540	4241	28959	45141	$ 2,257.05	57%
June-24	10481	1471	4720	12459	29132	$ 1,456.59	9%
July-24	11100	739	5188	21112	38139	$ 1,906.95	13%
August-24	10902	1359	4781	25886	42929	$ 2,146.44	21%
September-24	7290	2432	4306	17146	31175	$ 1,558.73	-17%
October-24	9702	4232	4435	18067	36436	$ 1,821.82	46%
November-24	0	0	0	0	0	$ -	-100%
December-24	0	0	0	0	0	$ -	-100%

Aircraft Operations

2024 ADS-B Airport Operations				
Month	Arrivals	Departures	Total Operations	Annual Change
January-24	1457	1483	2940	32%
February-24	1295	1265	2560	-27%
March-24	1238	1242	2480	0%
April-24	4312	4312	8624	68%
May-24	4251	4261	8512	62%
June-24	2493	2481	4974	-18%
July-24	2320	2533	4853	-25%
August-24	1952	2237	4189	-20%
September-24	1457	1674	3131	-53%
October-24	1574	1842	3416	-55%
November-24	0	0	0	-100%
December-24	0	0	0	-100%
Total Annual	22349	23330	45679	-28%

CARSON CITY AIRPORT
AIRFIELD LIGHTING MAINTENANCE and UPGRADES
OCTOBER 2020 – NOVEMBER 2024

AIRFIELD SIGN PANELS - Did you know?? There are 45 signs on our airfield. Most have information panels on both sides.

- Over time, constant exposure to the elements causes the panels to fade and/or de-laminate.
- Beginning in September 2022, all airfield sign panels were evaluated for fading and de-lamination of vinyl letters and numbers. Evaluation results were used to identify panels in need of replacement and to prioritize the panels in the poorest condition.
- Since September 2022: 30 SIGN PANELS REPLACED
- Sign panels cost: $800 - $1,300 each depending on size.

AIRFIELD SIGN LIGHTING

- Most of the signs on the airfield currently use incandescent (halogen) lighting. While the bulbs are still available, the transformers and control circuit boards are not. These items are proprietary to the sign manufacturer and are not available through other sources. When these items fail, the lowest cost solution is to install an L.E.D. retrofit kit.
- For kit installation, the sign assembly is removed from the airfield and brought to the maintenance workshop. All components are removed and replaced with the L.E.D. lights, drivers and control circuit boards. These are the same components used in signs currently in production. Installation takes 2-4 hours depending on size of sign.
- 6 L.E.D. RETROFIT KITS INSTALLED - Kits cost $600 - $1,000 each depending on size of sign.

AIRFIELD LIGHTING AND BEACON

Airfield Lighting – Did you know?? There are 593 lights on our airfield

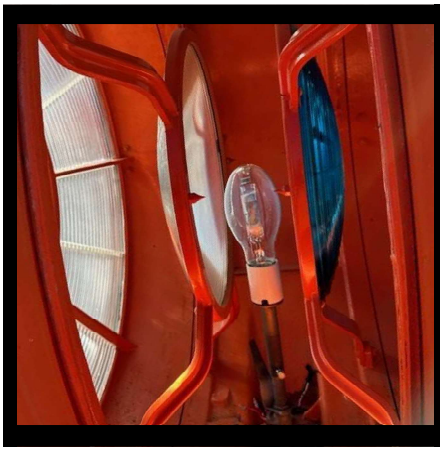
Runway edge lights use incandescent halogen bulbs. Bulbs are available and will continue to be used.

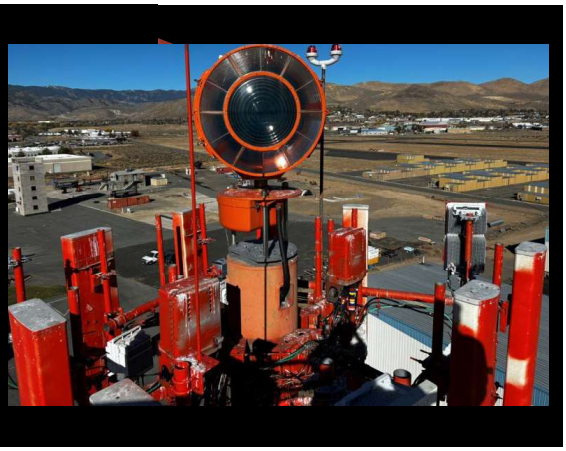
Taxiway edge lights have L.E.D. “bulbs” installed approximately 10 years ago. The bulb, driver, and circuit boards are sealed units that prevent replacing individual components. Additionally, as with the airfield sign lighting, the light assemblies are proprietary to the manufacturer, no longer in production, and are not available through other sources. When these items fail, the lowest cost solution is to install a new model L.E.D. light head assembly. The components in the new lights can be replaced and are available. To date, 140 new model edge lights have been installed. The current cost of each light head assembly is $207.72.

The new model lights are easily identified by the flat top of the lens versus the round top on the older lights.

Airport Beacon

Prior to October 2024, maintenance and repair of the beacon was provided via an informal agreement between the airport and AT&T. When AT&T was contacted recently for assistance with the beacon being inoperative, airport staff was informed that AT&T would no longer be assisting with beacon maintenance. A local lighting contractor was hired to make needed repairs. The contractor replaced the bulb, and the beacon was returned to service. A few days later, a homeowner north of the airport reported that the beacon was shining directly into their home following repairs. Using photos of the beacon and its I.D. plate provided by the contractor, airport staff determined the model and manufacturer of the light and downloaded a service manual. The manual contained information regarding the FAA established beam angle and instructions to verify or adjust the angle as needed. The contractor was called back to the airport for follow up. It was found that a taller replacement bulb had been installed, causing the beam to shine at a lower angle than before. The correct bulb was installed, and the proper angle was verified. The homeowner called the airport the following day and reported the issue was resolved.






Hourly Operations
Arrivals
Departures
600
500
400
300
200
100
0
1:00
2:00
5:00
6:00
7:00
8:00
9:00
10:00
11:00
12:00
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15:00
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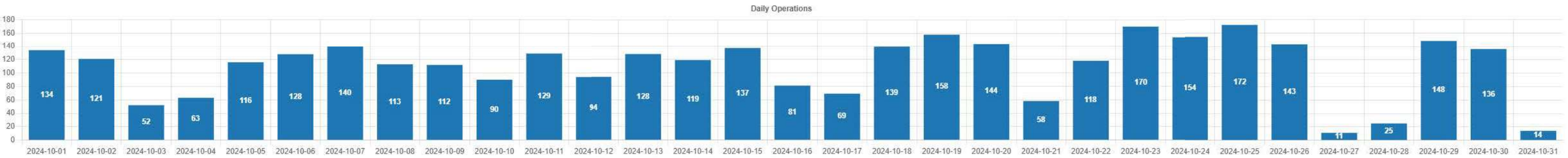
17:00
18:00
19:00
20:00
21:00
22:00
23:00


Daily Operations
180
160
140
120
100
80
60
40
20
0
134
121
52
63
116
128
140
113
112
90
129
94
128
119
137
81
69
139
158
144
58
118
170
154
172
143
11
25
148
136
14
2024-10-01
2024-10-02
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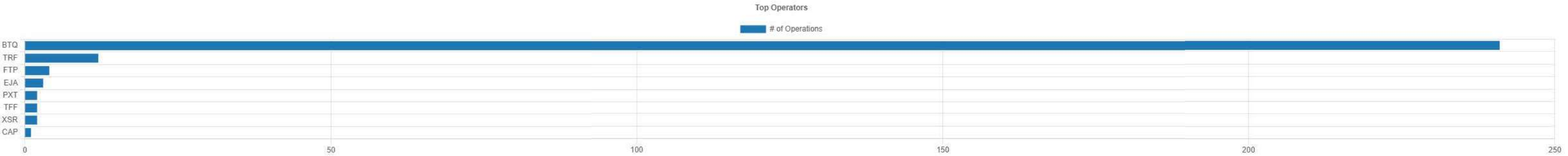
2024-10-31


Top Operators
# of Operations
BTQ
TRF
FTP
EJA
PXT
TFF
XSR
CAP
0
50
100
150
200
250


Aircraft Type
Helicopter
Jet
Multi-Prop
Single-Prop
Unknown
Aircraft Design Group
A-I
A-II
B-I
B-II
C-I
C-II
D-I
D-III
UNK
Runway Usage
09
27
Unknown
Weight Class (lbs)
UNK
UNK
Up to 12,499


Total Arrivals/Departures
Arrivals
1574
Departures
1842
0
200
400
600
800
1,000
1,200
1,400
1,600
1,800
2,000