

FENCE NEWS

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American Fence Company has seen it all

“Tow hook deflector” just one of the twists on Minden-Tahoe Airport fence project

American Fence Company of Phoenix, Ariz. recently completed a perimeter security project at the Minden-Tahoe Airport in Douglas County, Nev., near Lake Tahoe. It is one of the leading general aviation airports in the Lake Tahoe region.

It was a big job, it was a tough job and it included some unusual features.

But project manager Daniel Chaney and superintendent Mike Channing, together with the American Fence branch in Las Vegas, completed the project on time despite challenging conditions and special installation requirements.

Aerial banner towing firms operate out of Minden-Tahoe Airport, and one of the most unique aspects of the project is what is known as a tow hook deflector, critical to the safety of tow plane operations. It is installed at the threshold of runway 30G.

Aerial or airplane banners are attached to the plane using a tow hook (shaped like a whiffle ball). During approach, if planes are too low the banner and towing rig can become caught in the fence. The purpose of the tow hook deflector is to provide a smooth surface to protect the main fence line and deflect the tow hook and banner if necessary.

American Fence Company and Chaney worked closely with the general contractor, Trade West Construction, on the tow hook deflector.

In addition to exacting specifications for height and angle, the signature checkerboard paint job had to be perfect. The checkerboard acts as a visual aid to guide pilots on approach.

Asked to describe the biggest challenge and how it was overcome, Chaney said, “We had many weather obstacles – freezing temperatures, snow, rain, and more rain, mud, highway closures. Most important, we had a tight schedule to keep. Mike Channing did a great job of interacting with the inspector, engineer and general contractor.”



In addition to innovative features like the tow hook deflector, American Fence Company also constructed a great deal of

conventional chain link fence. This particular project called for 33,000 lineal feet of 8' + 1' chain link and barbed wire fence and 25,000 lineal feet of wildlife deterrent fence. The wildlife fence was 5' nine-gauge, installed in an excavated trench.

After being hog ringed to the bottom of the chain link fence, the trench was backfilled to prevent wildlife from burrowing under it. (The Federal Aviation Administration reports that, nationally, coyotes and deer are among the most frequent land ani-

mals that stray onto runways, a list that also includes turtles, skunks and alligators.

Chaney and American Fence also installed

11 Tymetal aluminum gates with HySecurity hydraulic operators.

The entire project was completed in 90 calendar days, during one of the worst winters on record in the Sierra Nevada Mountains. The Governor of Nevada declared a state of emergency, and then amended it to a higher level of emergency as snow and rain buffeted the state. The main highway to the project flooded, requiring a 20 mile detour for the crews. Despite these challenging conditions, everyone from the project owner to the general

contractor was pleased with American Fence Company's performance.

Tracy Beck of Trade West Construction said, “From start to finish,

Shown in top photo at left is the tow hook deflector installed at the threshold of the runway used by aerial banner towing operators. During approach, if planes are too low the banner and towing rig can become caught in the fence. The purpose of the tow hook deflector is to provide a smooth surface to protect the main fence line and deflect the tow hook and banner if necessary. Center photo, a section of the 33,000 lineal feet of 8' chain link + 1' barbed wire perimeter fence. Bottom photo, a detail of the chain link wildlife deterrent fence that was attached to most of the perimeter fence and trenched in to prevent burrowing.

(American Fence Company photos)

Dan Chaney and American Fence Company were great to work with. This was a very demanding project that they brought in ahead of schedule. We look forward to working with them in the future, and we recommend them for the toughest projects.”

Established in 1948 and based in Phoenix, American Fence is a nationally recognized industry leader that has been professionally installing and manufacturing fence for over 65 years. The company has 17 offices in eight states, providing products and services including temporary fence panel rental, commercial and industrial installation, and materials for fencing contractors and the do-it-yourself market.

The High Security Perimeter Fencing division provides crash rated bollards, gates, and fences for military installations, data centers, and other sensitive corporate projects.

American Fence operates its own tube and pipe mill and chain link weaving machines, and manufactures their own custom fabricated iron fence. For more information on the company and its products and services, visit www.americanfence.com.

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**American Fence Company
has seen it all**

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Unfortunately, as shown above, terrible conditions including freezing temperatures, snow, rain, and more rain, mud, and highway closures hampered the installation but did not prevent it from being completed on schedule.



The photo above shows the framework for the tow hook deflector as it was being constructed. The purpose of the tow hook deflector is to provide a smooth surface to protect the main fence line and deflect the tow hook and banner if necessary.



Eleven aluminum slide gates manufactured by Tymetal Corp. were utilized on the project. They are powered by HySecurity hydraulic operators.

**Senstar receives Lenel
factory certification
under firm's OpenAccess
Alliance Program**

OTTAWA, Canada – Earlier this year Senstar announced that it received Lenel factory certification as part of the Lenel OpenAccess Alliance Program (OAAP). Senstar's Network Manager alarm reporting system now integrates with versions 7.1, 7.2, and 7.3 of the OnGuard® access control system.

“Senstar has completed required factory testing at Lenel to validate the functionality of its interfaces to OnGuard 7.1, 7.2, and 7.3,” said Zach Roth, OAAP Project Management, Lenel. “We look forward to Senstar's continued involvement in the Lenel OpenAccess Alliance Program.”

Network Manager is a software gateway which allows communication with a wide array of Senstar sensors, including FlexZone®, FiberPatrol®, OmniTrax® and UltraWave.

The interface provides two-way communications with the OnGuard system receiving alarm and status information from Senstar sensors and enabling the control of local lighting and audible alerts by managing device relays.

Using the alarm information, the full range of the OnGuard system's security responses can be initiated, including commanding camera actions and providing visual and audio alerts.

Network Manager is a powerful IP-based alarm reporting system for Senstar's sensors.

Senstar's perimeter intrusion detection systems (PIDS) have an integrated sensor networking capability that provides a two-way communication channel between sensors and the control room.

The software provides a common interface through which third party head-end security management systems (SMS) perform communication to the sensors.

For more information, visit the web site www.senstar.com.

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