




ROADSIDE EMBANKMENT CASE STUDY

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PROJECT INFO

Fencing Type: AMX-P30

Installation: Roadside
Embankment

Longevity: Permanent

Species: Bog Turtles

Client: NJDEP

Location: Assunpink WMA, NJ

SUMMARY

To help reduce road mortality of Bog Turtles (*Glyptemys muhlenbergii*) and reconnect their fragmented wetland habitat, the New Jersey Department of Environmental Protection wanted to install fencing to guide turtles to a new under-road crossing structure. They also wanted to ensure any animals that found themselves on the road, from beyond the fence ends, would be able to easily escape back to safety. This resulted in us installing the fencing below grade that not only turned the entire fence into a one-way feature but also kept the barrier out of sight for drivers. Monitoring of the ecopassage revealed several animal species were successfully using the structure to cross.

Photography courtesy of NJDEP



Challenges

- Snowload
- Retrofitted
- Road slope



Actions

- Durable materials
- Installation support
- Unique design



Outcomes

- Low maintenance
- Connected habitat
- One-way escape

