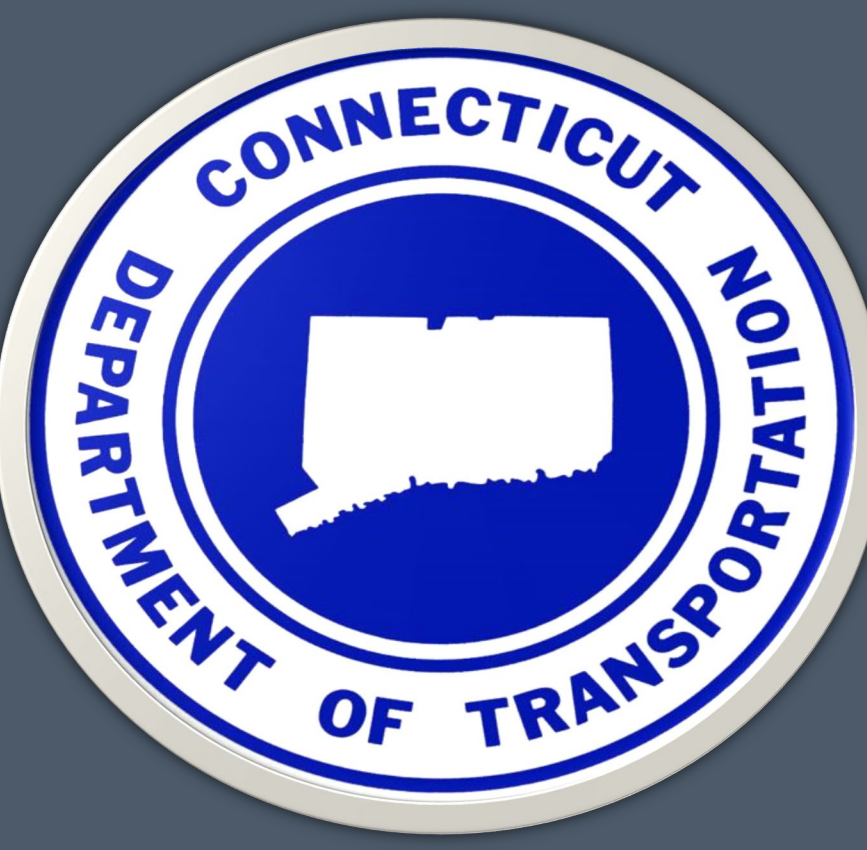


Connecticut DOT Invasive Plant Management

Vegetation Control on Highway Roadsides

Bureau of Highway Operations
Office of Maintenance
Bureau of Policy and Planning
Office of Environmental Planning
Connecticut Department of Transportation
2800 Berlin Turnpike, Newington, CT 06131



Background

CT DOT maintains over **11,000 lane miles** of roadway, and works to manage invasive vegetation along roadsides throughout the state.



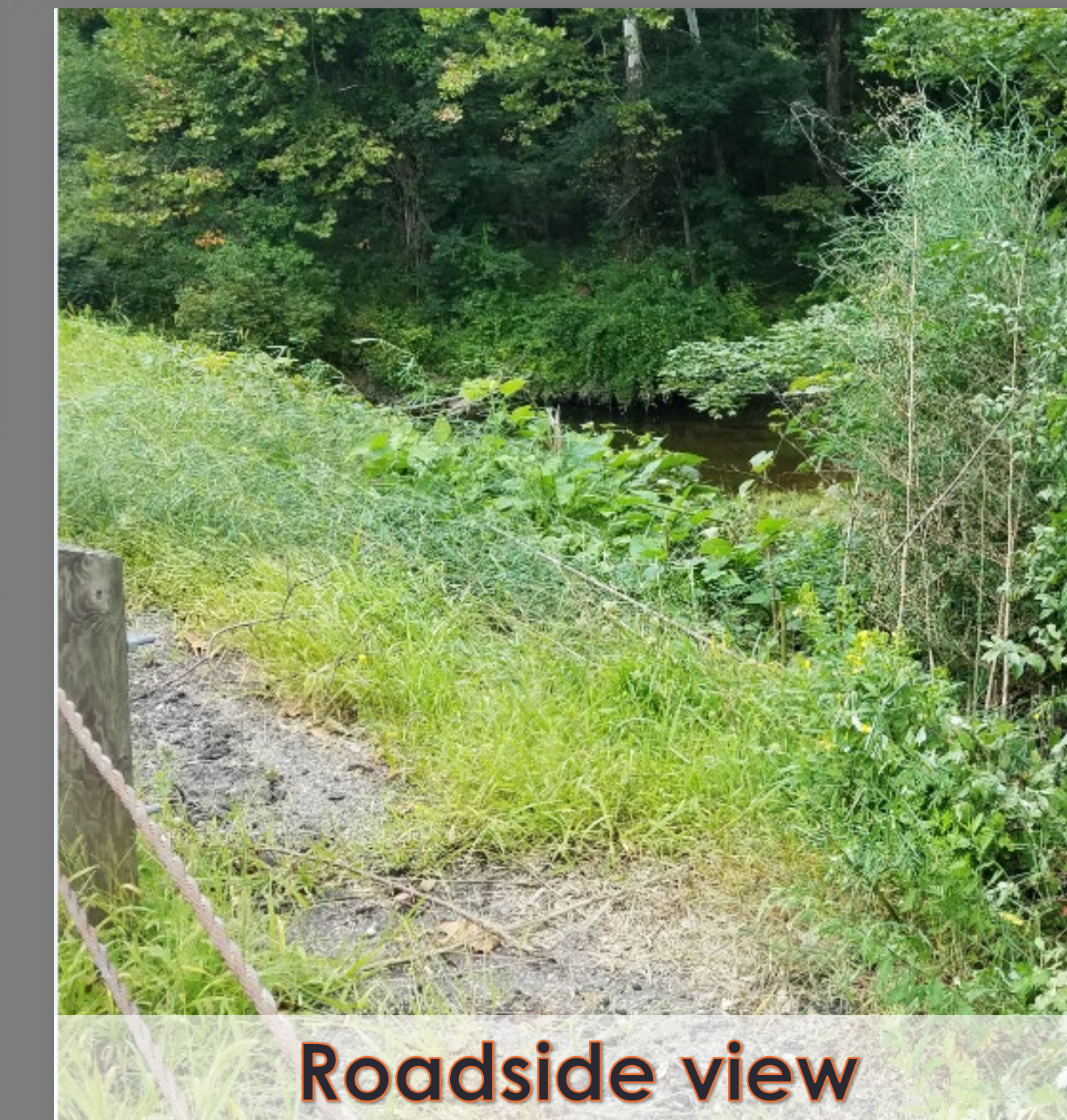
Merritt Parkway Bamboo Experiment

- Partnering with the Connecticut Agricultural Experiment Station (CAES) for research on invasive plants on highway roadsides
- One project focused on bamboo on the Merritt Parkway
- Bamboo was cut to 6" tall, immediately prior to treatment with herbicides
- (2) sites – with (3) 5m x 5m test plots at each; plus one control



Rt. 15 SB by Exit 46 - Fairfield

Southbury – Bamboo Treatment Area



Roadside view



View from park – before cutting

Bamboo at Rt. 67 - near George Bennett Park - Southbury



View from park – after cutting



Cut-stem treatment

Projects

Maintenance

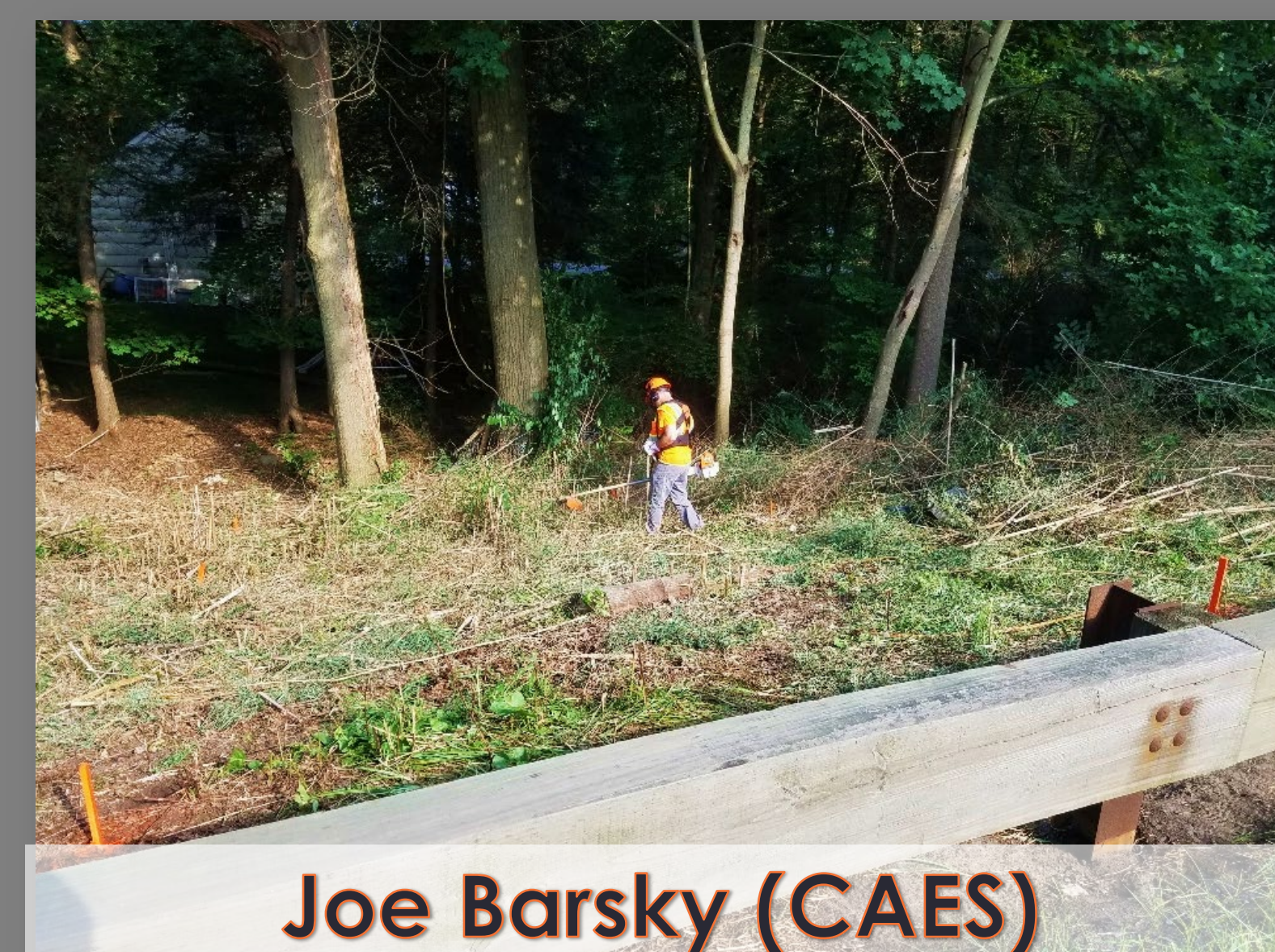
- 2018: 1010 acres of roadside vegetation management – guiderails, medians, barriers, signs, cable fences

Construction

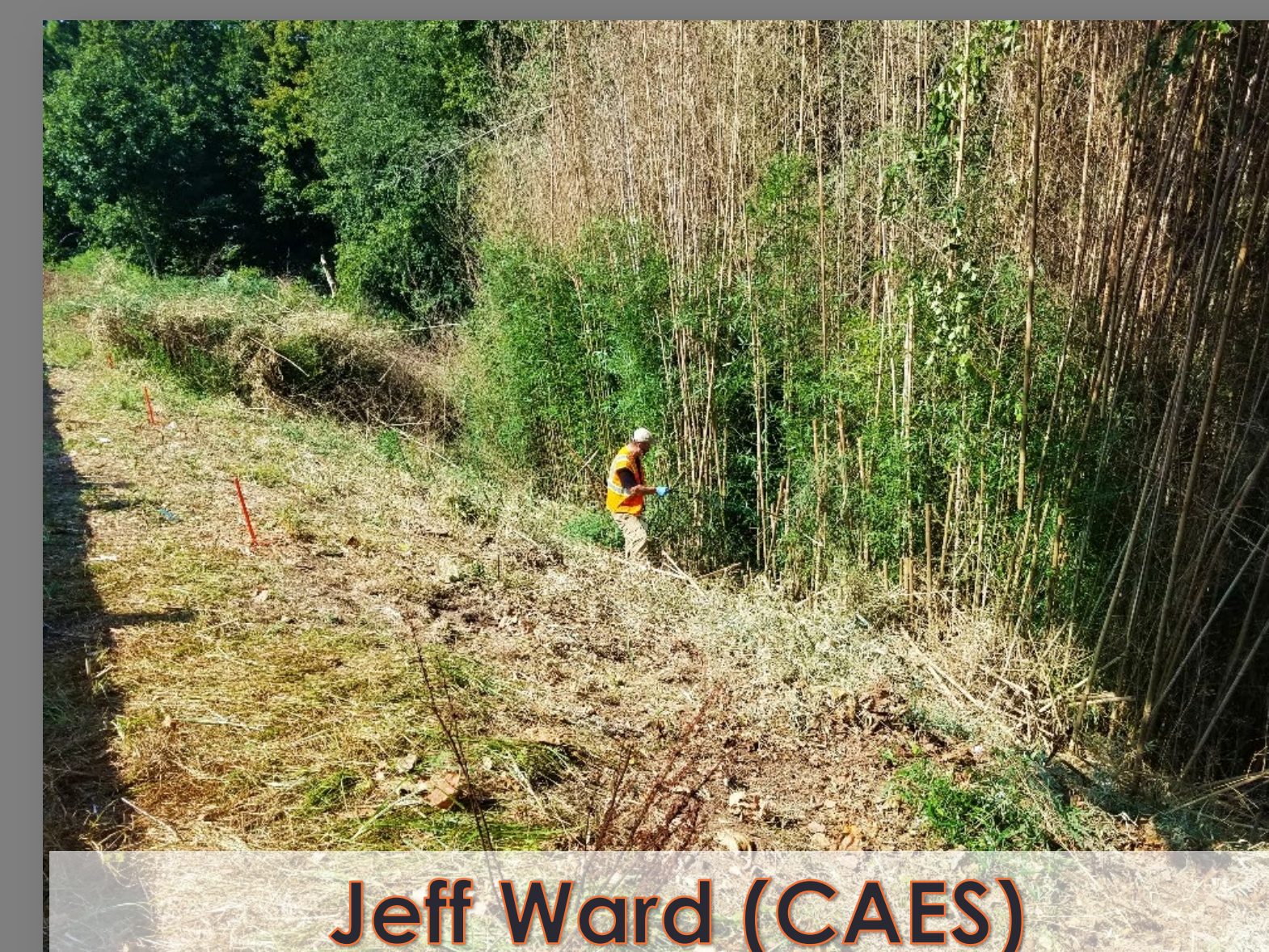
- 2006-2017: Treated 190 acres on 126 Projects costing \$3.75 million



I-84 – Tolland



Joe Barsky (CAES)



Jeff Ward (CAES)

PLOT NAME	HERBICIDE	AMOUNT OF HERBICIDE USED (GA)	CONCENTRATION
I	Imazapyr (Polaris 27.7%)	0.5	318 mL per gal with 20 mL non-ionic ss
G	Glyphosate (Prosecutor 41.0%)	0.5	420 mL per gal with 20 mL non-ionic ss
IG	Imazapyr and Glyphosate	0.5	420 mL per gal with 20 mL non-ionic ss
CONTROL	N/A	0	N/A



Black swallow-wort (*Cynanchum louiseae*)

2017



2018

Acknowledgements

Thank you to DOT Maintenance and the Office of Environmental Planning for helping assemble this poster.

Research

- Monitoring of construction wetland mitigation sites to oversee effectiveness of treatment in coordination with permitting requirements