

FY 2026-27 Standard Plans – 455-030, 455-031, and 455-060 30" and 60" Prestressed Piles

Update tie spacing

For review by the Chief Engineer

Summary of the Revisions:

Revise the spiral tie spacing in the middle of the pile from 4" spacing to 2" spacing.

Are changes in line with promoting and making meaningful progress on improving safety, enhancing mobility, inspiring innovation, and fostering talent; explain how?

These changes aim to improve safety and reduce maintenance costs by reducing crack width and crack development in these specific pile types.

What financial impact does the change have; project costs, pay item structure, or consultant fees?

Costs for producing these pile types will increase since the amount of steel being used is increasing but repair and maintenance costs may decrease with the reduction of crack width and crack development in these pile types. The goal with the change is to reduce spending, not increase it.

What impacts does the change have on production or construction schedules?

The time required to produce these pile types may increase if the precast producers are tying the reinforcing cages on site. The increase of time required would be minimal.

How does this change improve efficiency or quality?

This change will improve the quality and the life of these pile types by reducing crack width and crack development.

Which FDOT offices does the change impact?

These changes have no additional impact beyond what is currently expected.

What is the impact to Districts with this change?

The impact to district offices would be minimal. There is not any expected increase in how often these pile types are being proposed than what is currently observed. However the cost in producing these piles should be expected to increase.

Does the change shift risk and to who?

These changes should not shift risk beyond what is currently expected.

Provide summary and resolution of any outstanding comments from the districts or industry?

All comments from Industry and Internal Review have been reviewed, addressed and responded to. These specific comments are available for review on the [Track the Status Page](#).

What is the communication plan?

After completion of FHWA Review/Approval, this index will be published by November 1st of this year with FY 2026-27 Standard Plans (Effective July 1, 2026). Standard Plans Update Training will be provided prior to January 1, 2026. All documents will be available on our website.

What is the schedule for implementation?

- *The FY 2026-27 Standard Plans will be published on or before November 1, 2025.*
- *Standard Plans Update Training webinars will be provided for revisions in December of 2025.*
- *The FY 2026-27 Standard Plans will be effective for all projects let in July 2026 or after.*