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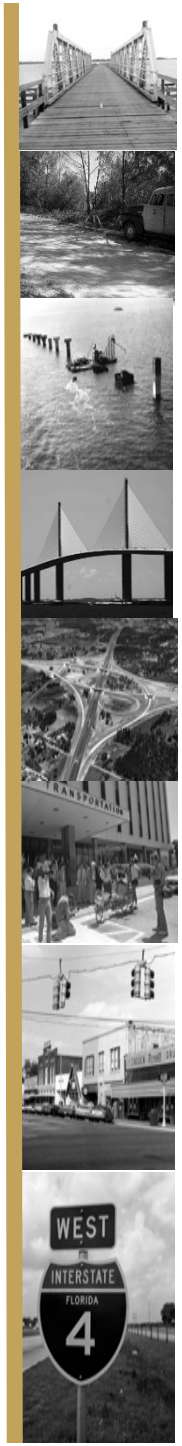
Pavement Marking Materials

Innovative Solutions for tomorrow's transportation needs

Roadway Design Bulletins

- Roadway Design Bulletin 15-02
  Pavement Marking Materials Selection

- Roadway Design Bulletin 15-03
  Rumble Striping



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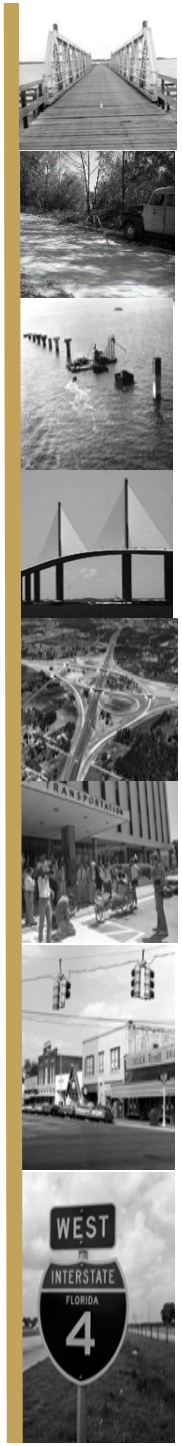
RDB 15-02
Pavement Marking Materials Selection

Pavement Marking Task Team

- APL Office – Paul Gentry & Karen Byram
- Construction Office – Stefanie Maxwell
- Design Office – Chester Henson
- Estimates Office – Melissa Hollis
- Maintenance Office – Tim Lattner & Deanna Carroll



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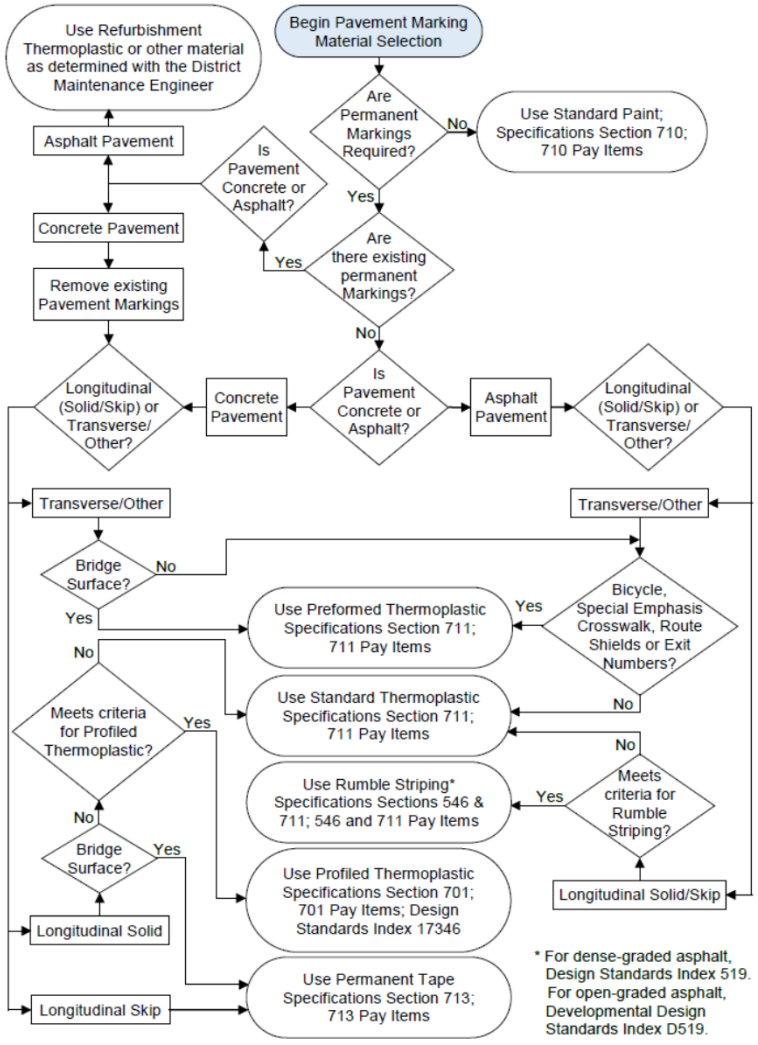
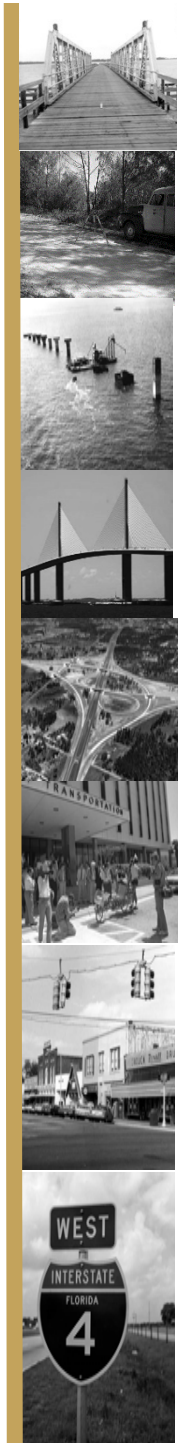
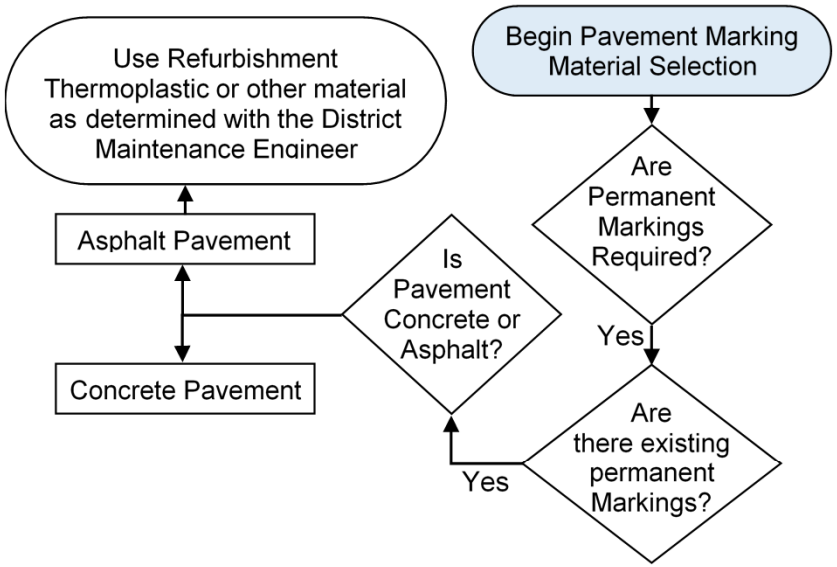
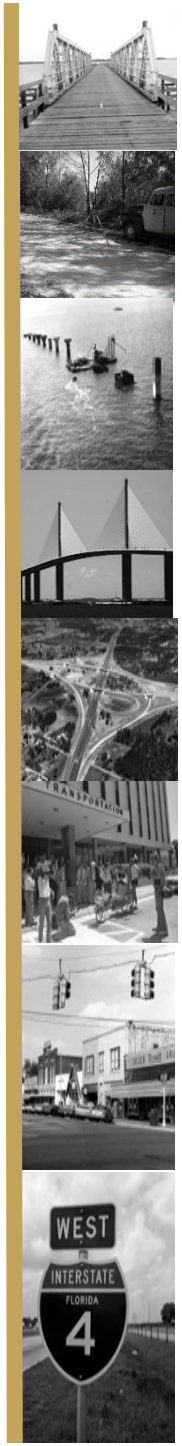
RDB 15-02
Pavement Marking Materials Selection



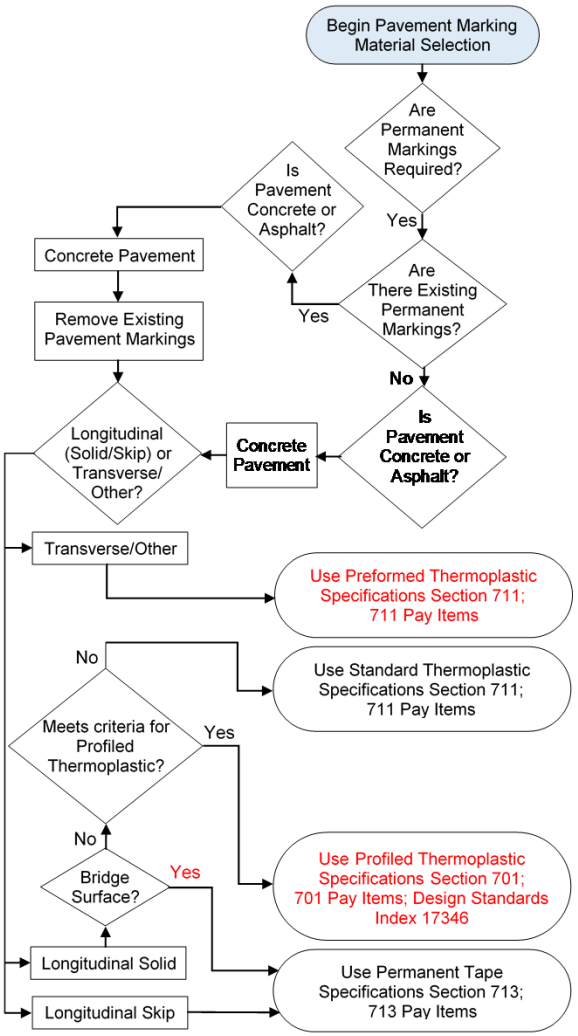


Pavement Marking Materials Selection
Asphalt Refurbishment Marking





Pavement Marking Materials Selection
New & Refurbishment Concrete Marking



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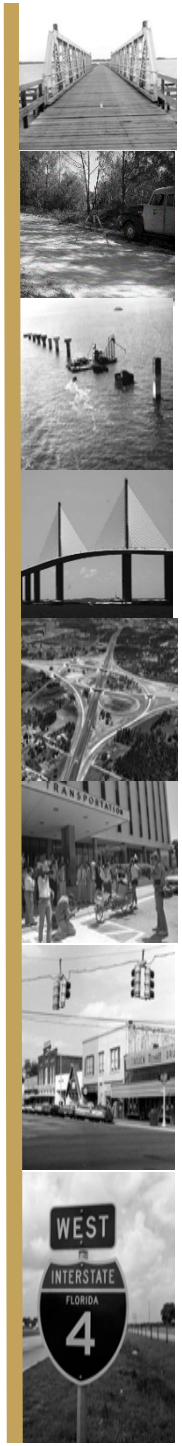
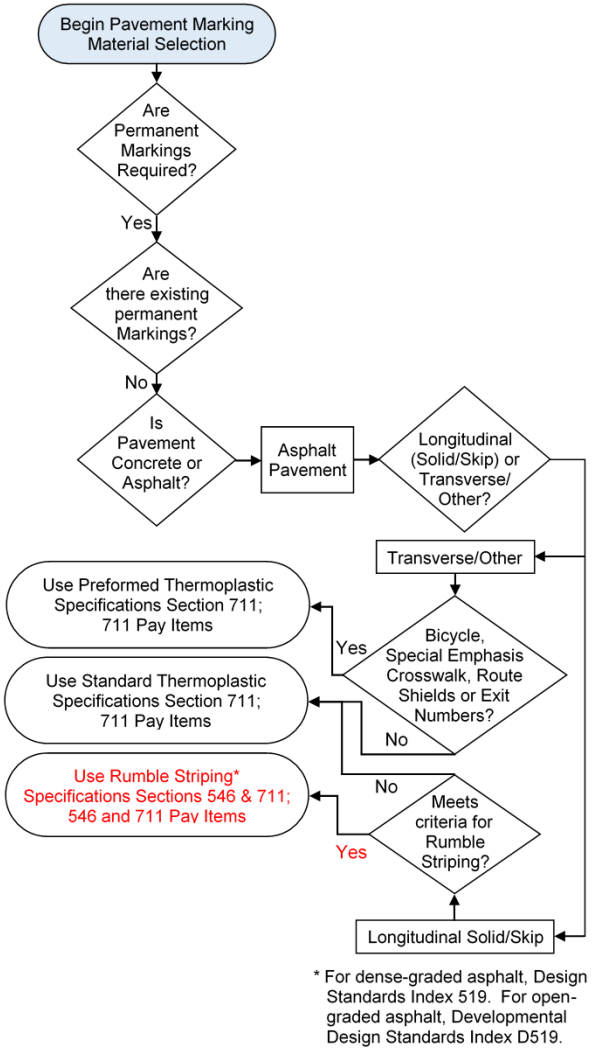
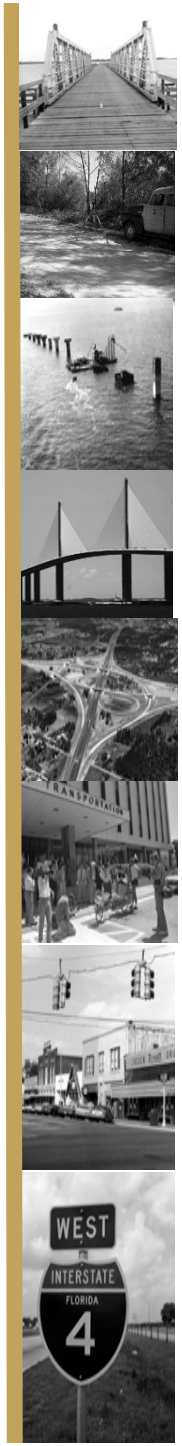


Pavement Marking Materials Selection
New Asphalt Marking



* For dense-graded asphalt, Design Standards Index 519. For open-graded asphalt, Developmental Design Standards Index D519.

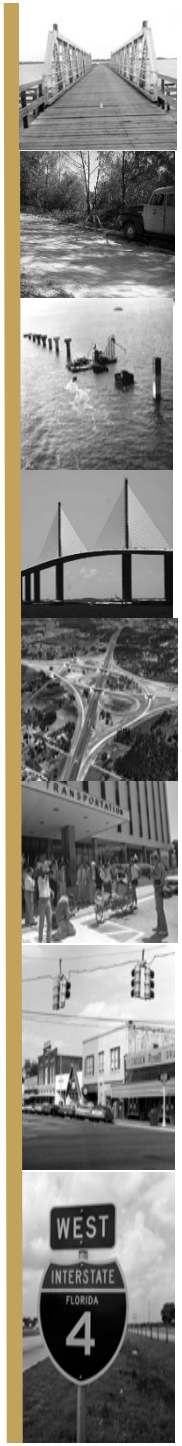


Revised Current Audible & Vibratory Marking Policy

- Continue to be Used for Rural Roadways with Speeds of 50 mph for Inside and Outside Edge Lines on Multi-Lane Roadways and for Outside Edge Lines on Two Lane Roadways

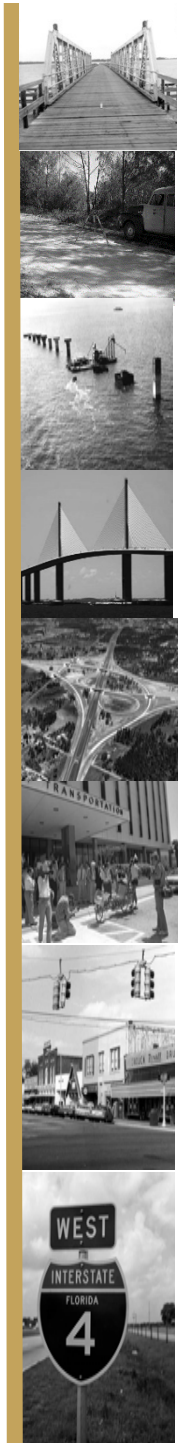
- Center Line Policy Revised to Include Center Lines for All Two Lane Rural Roadways with Speeds of 50 mph

- Adds Rumble Striping to Audible & Vibratory Pavement Markings



Revised Current Audible & Vibratory Marking Policy

- Current Raised Audible & Vibratory Marking has been Renamed Profiled Thermoplastic
- Continue to be Used for Concrete Roadways of Non-Limited Access Facilities
- Use in Lieu of Shoulder Ground-in Rumble Strips On Concrete Limited Access Roadways with Concrete Shoulders
- Continue to be Paid for Under Section 701



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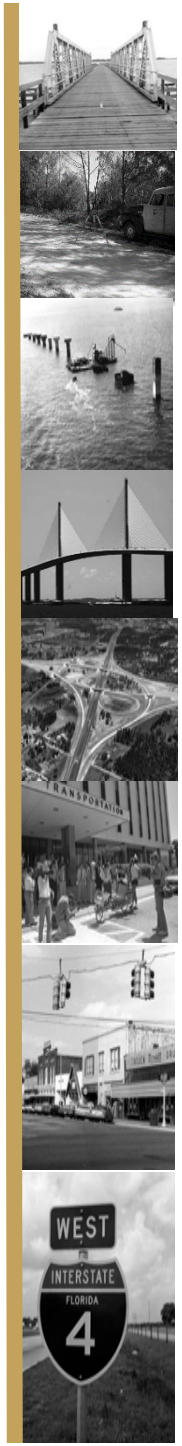
Introduces New Audible & Vibratory Marking – Rumble Striping

- Rumble Striping (Design Standard Index 519)
- Used for Asphaltic Roadways
- Be Paid for Under Section 546 and Section 711
- Section 546 Quantities will be Tabulated on Signing & Pavement Marking Plans



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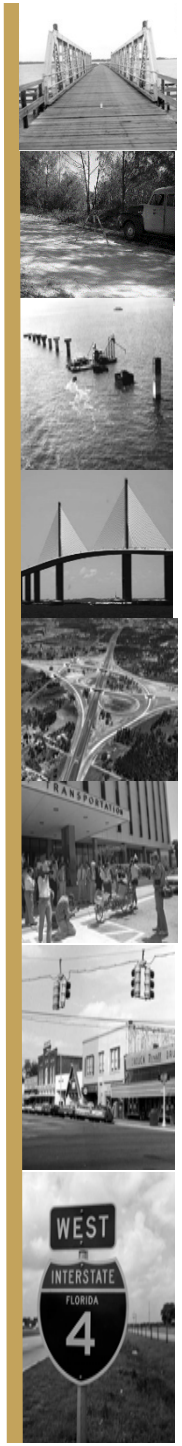
Introduces New Audible & Vibratory Marking – Rumble Striping

- Utilizes Current Shoulder Grinding Process Used on Limited Access Facilities
- With Rumble Striping, Grinding is In-Line with the Center Line or Edge Line Pavement Marking
- Pavement Marking Installed Over the Ground-in Rumble Strips



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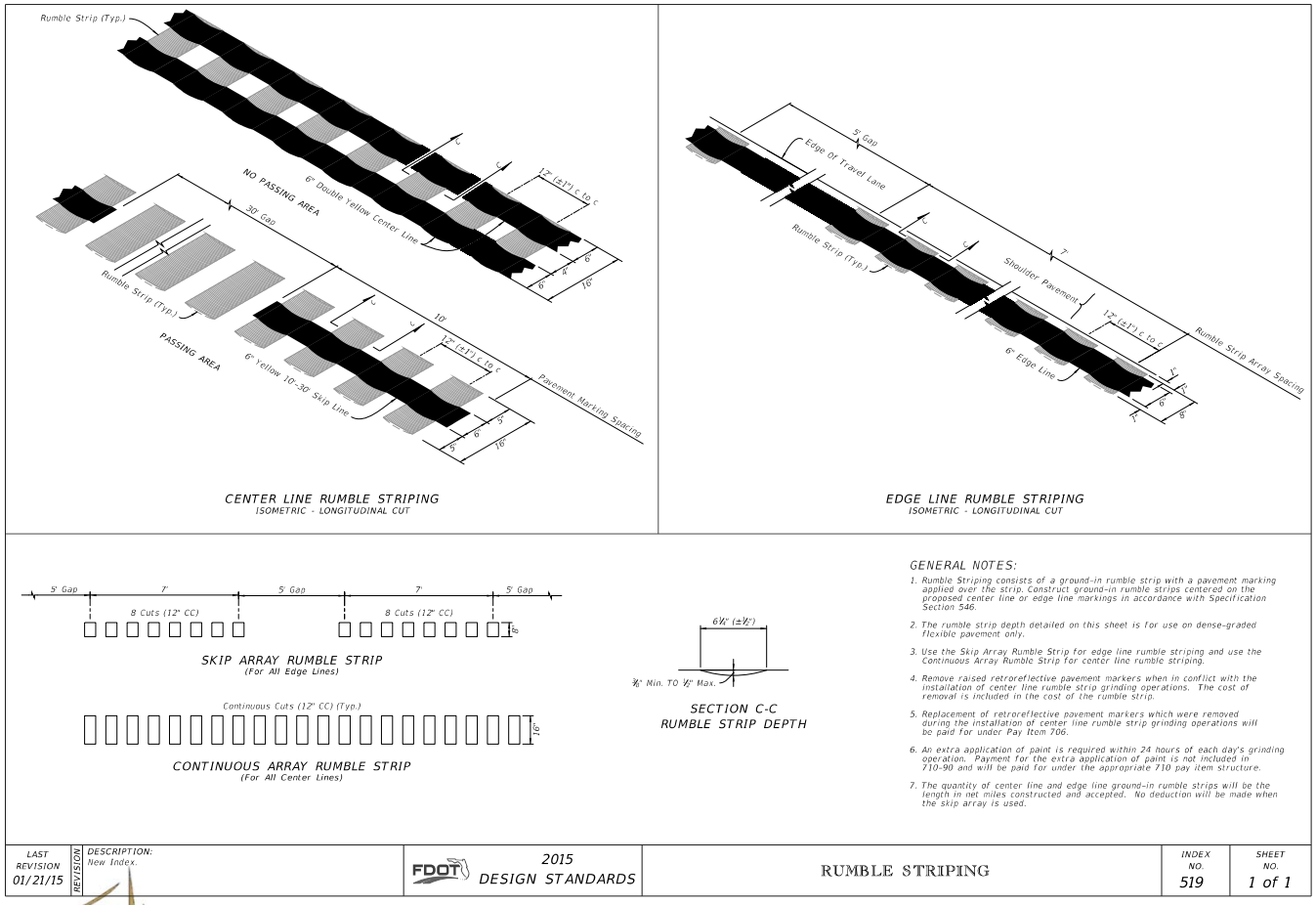
Introduces New Audible & Vibratory Marking – Rumble Striping



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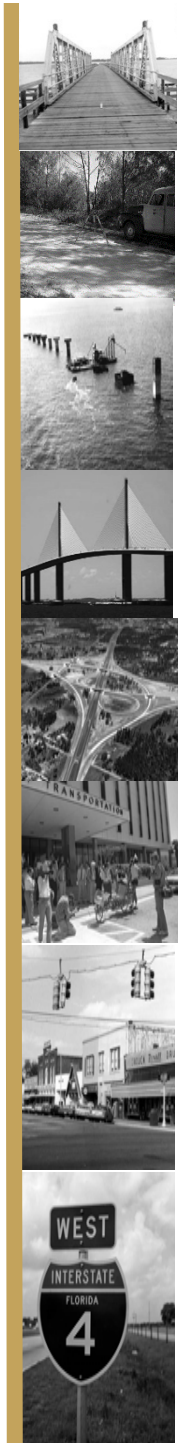
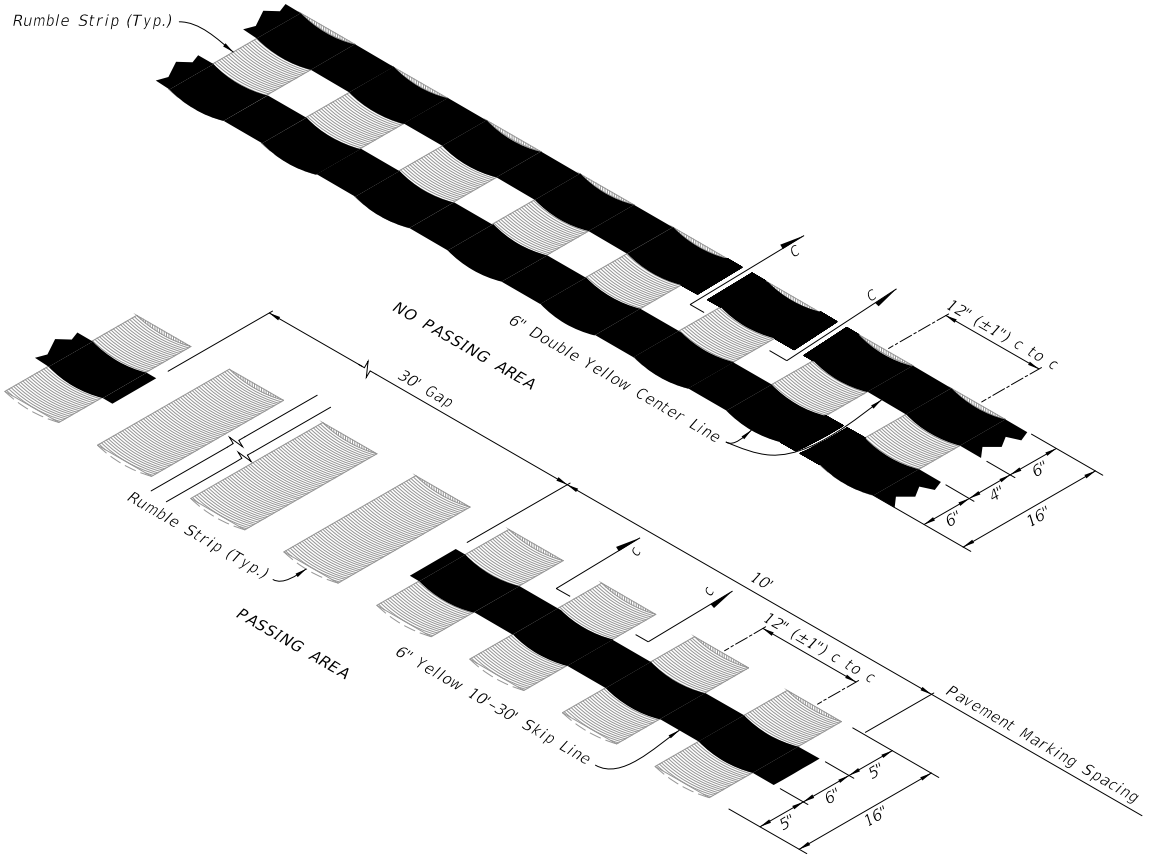
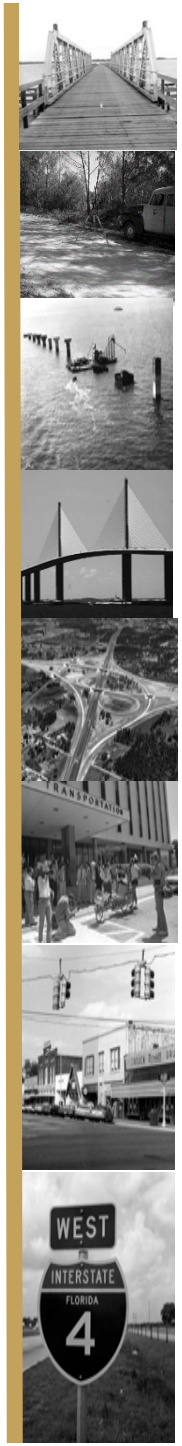


Center Line Rumble Striping



CENTER LINE RUMBLE STRIPING
ISOMETRIC - LONGITUDINAL CUT



Center Line Rumble Striping

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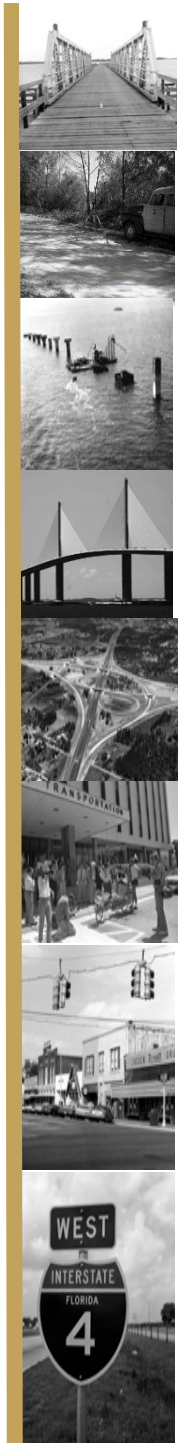
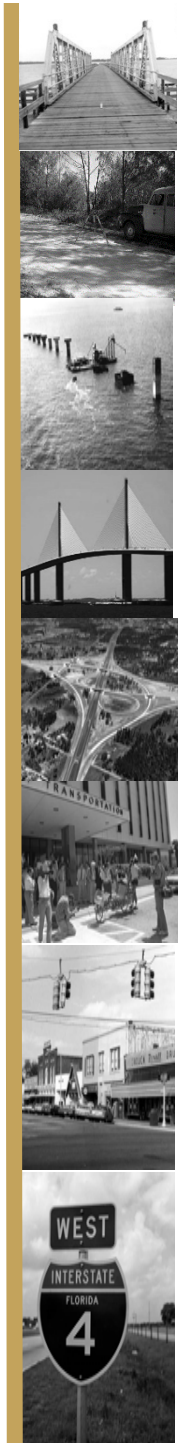


Center Line Rumble Striping



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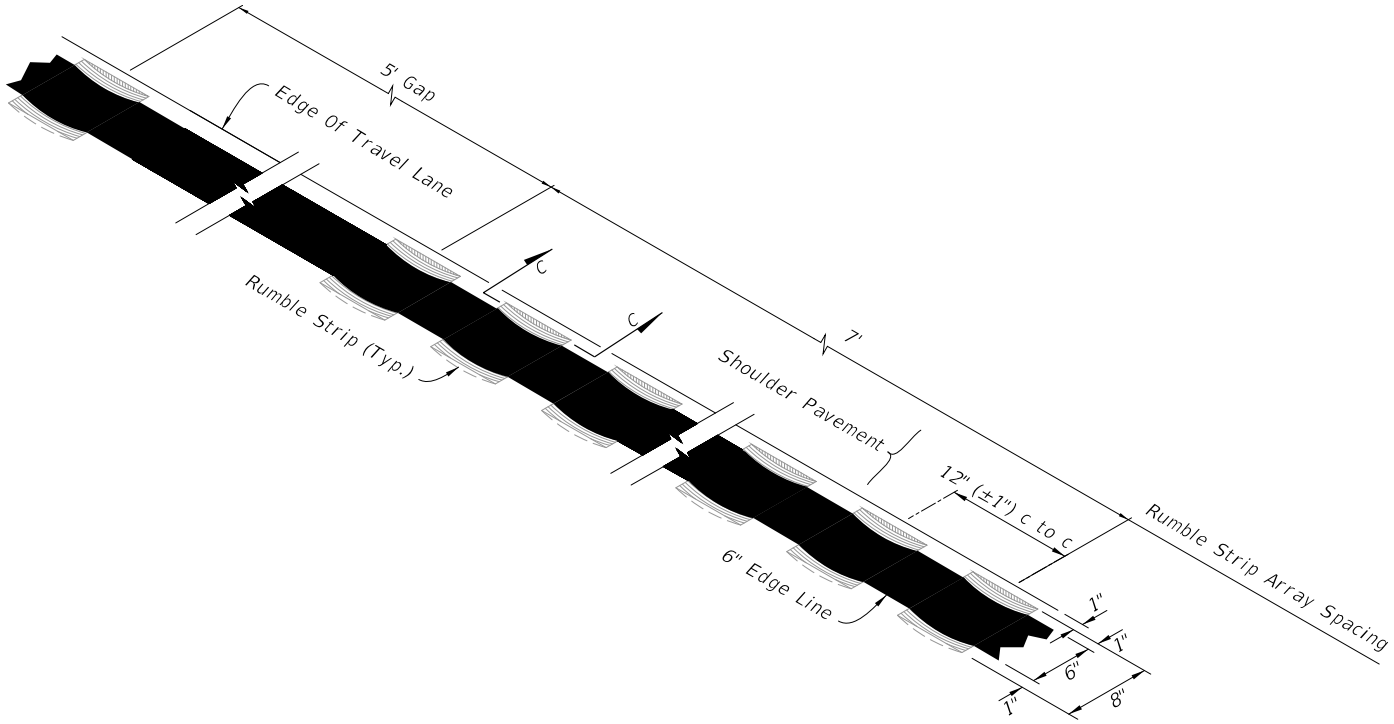
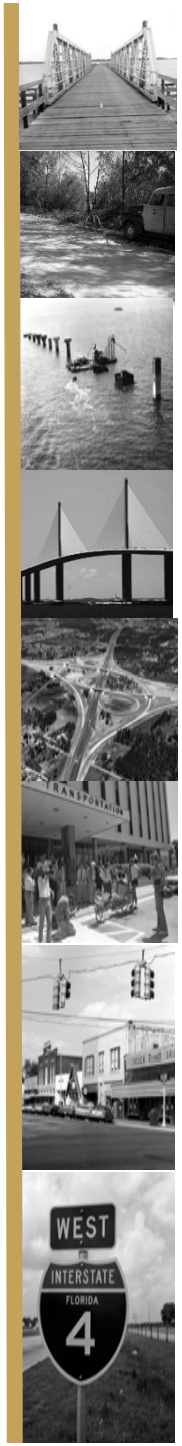
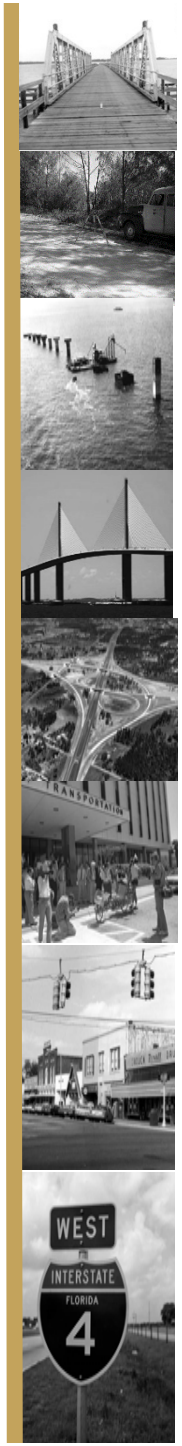
Edge Line Rumble Striping



EDGE LINE RUMBLE STRIPING
ISOMETRIC - LONGITUDINAL CUT



Edge Line Rumble Striping



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Rumble Striping Equipment

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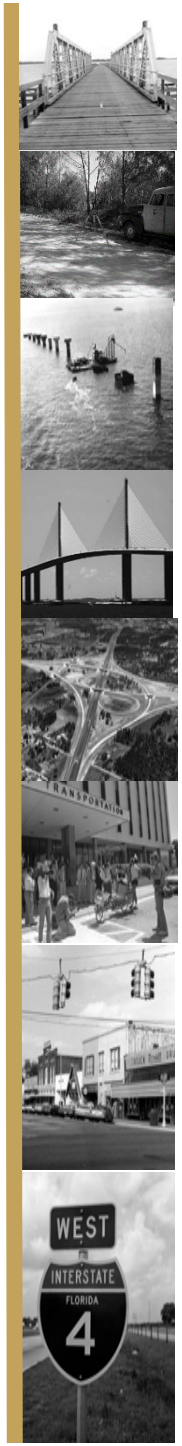
Rumble Striping Equipment



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Rumble Striping

Dense Graded Friction Course

Open Graded Friction Course

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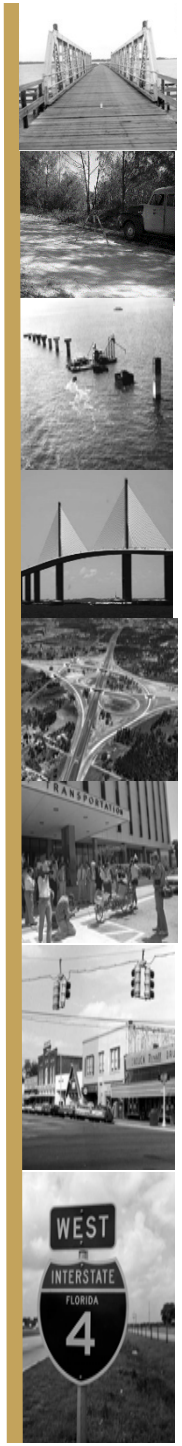
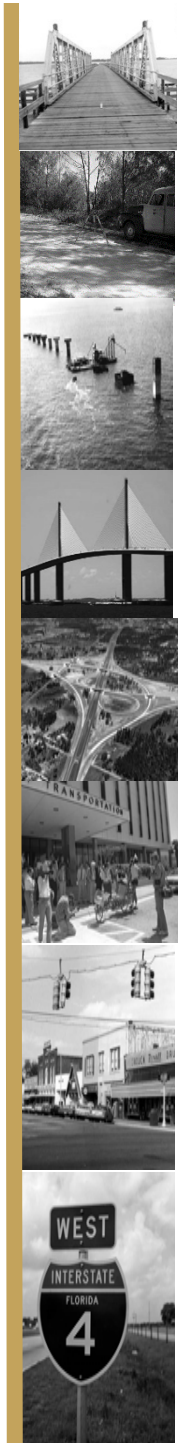


Revised Preformed Thermoplastic Marking Policy

- Use for Bicycle Markings, Special Emphasis Crosswalks, Route Shields and Exit Numbers on Asphalt or Concrete Pavements
- Also Use Contrast White (2-4) Dotted Guide Lines on Concrete Pavements or Concrete Bridges



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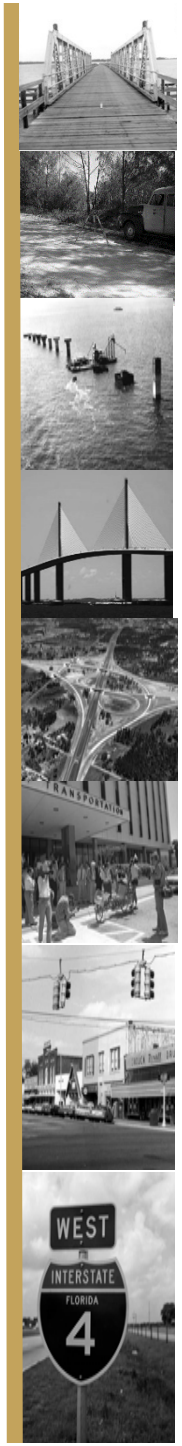
Revised Concrete Contrast Marking Policy

- Only Use Trailing Black Contrast For Broken Lines
- Use Edge Contrast For Arrows, Symbols and Messages on Roadways with Posted Speeds of 45 mph or Less
- Use Block Contrast For Arrows, Symbols and Messages on Roadways with Posted Speeds of 50 mph or Greater



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Revised Concrete Contrast Marking Policy

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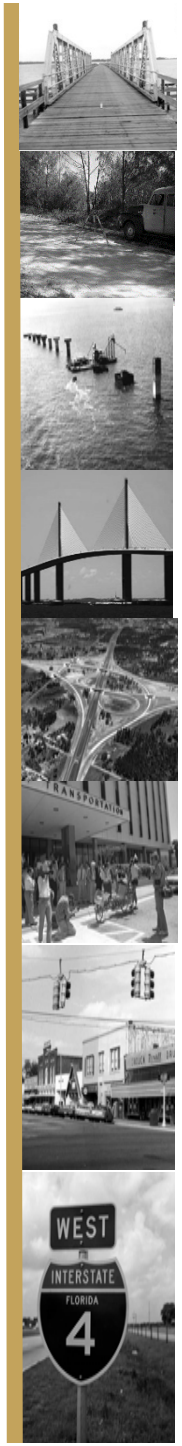
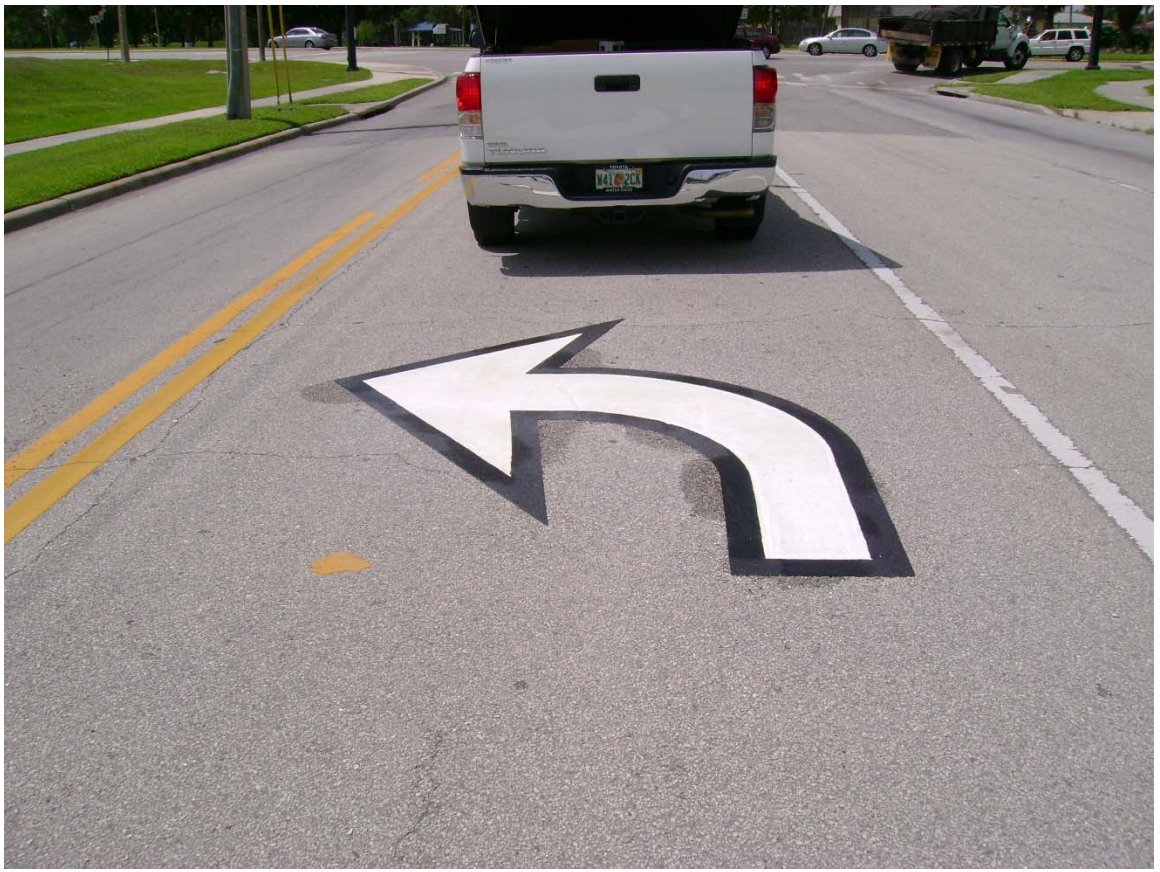


Revised Concrete Contrast Marking Policy



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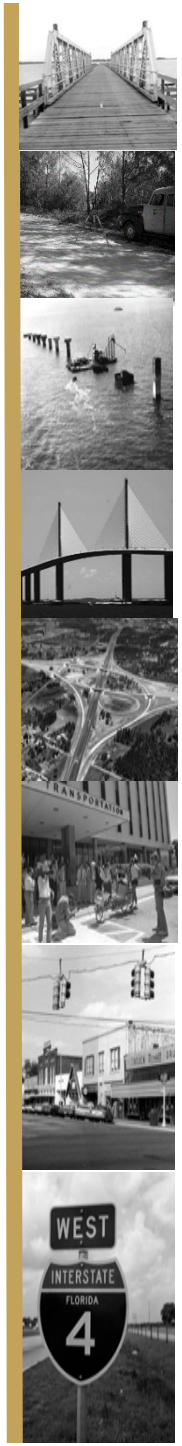

Revised Concrete Contrast Marking Policy

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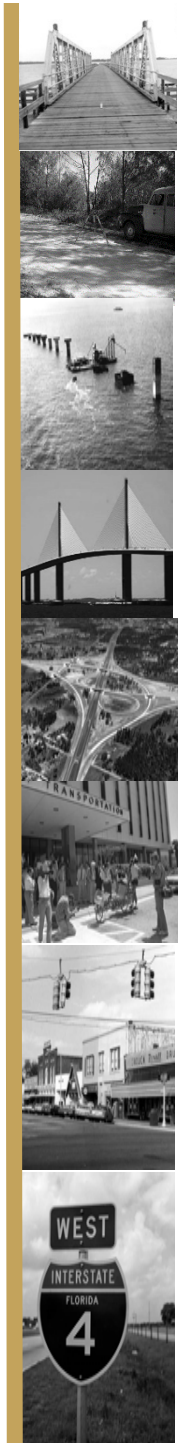
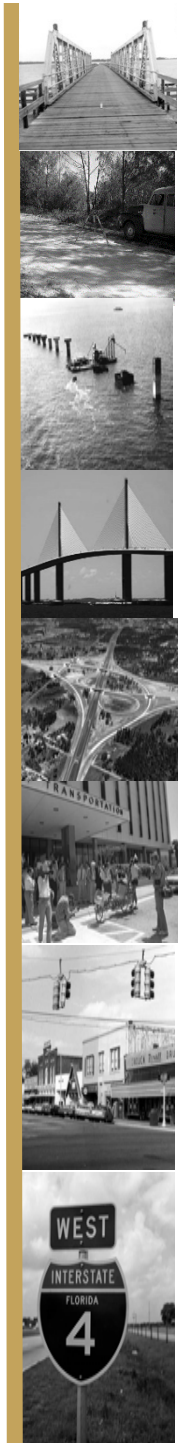


Revised Permanent Tape Marking Policy

- Use White Contrast (10-30) Skip on All Concrete Pavements and Concrete Bridge Decks and Delete (with Lengths of 300’ and Greater)

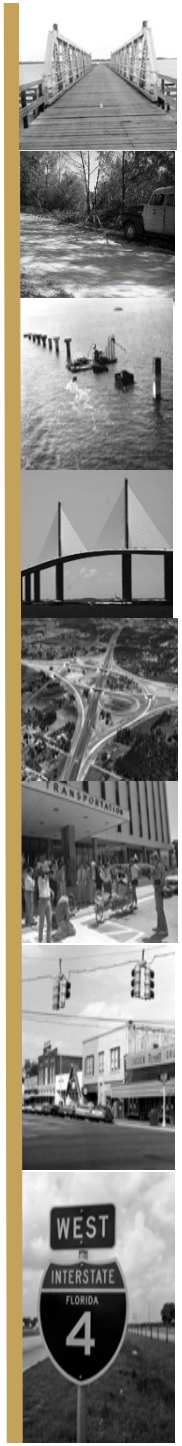
- Also Use White Contrast (3-9) Dotted on All Concrete Pavements and on All Concrete Bridge Decks

- Also Use Permanent Tape for All Center Lines and Edge Lines of All Concrete Bridge Decks



Revised Pavement Marking Pay Item Policy

- Net Mile Changed to Gross Mile
- Dotted Lines Changed from Lineal Feet to Gross Miles



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Questions

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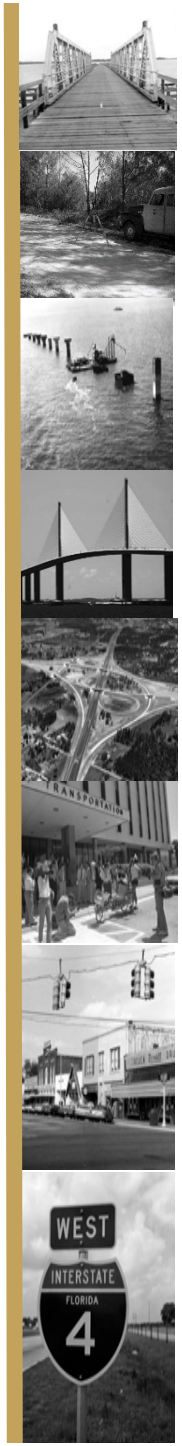
(850) 414-4117

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