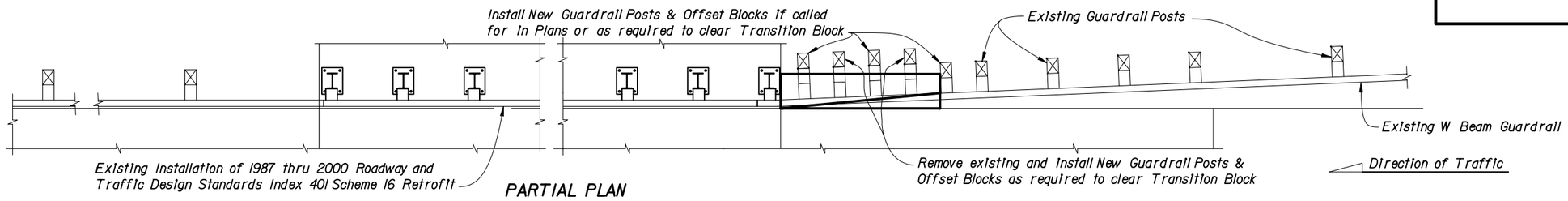
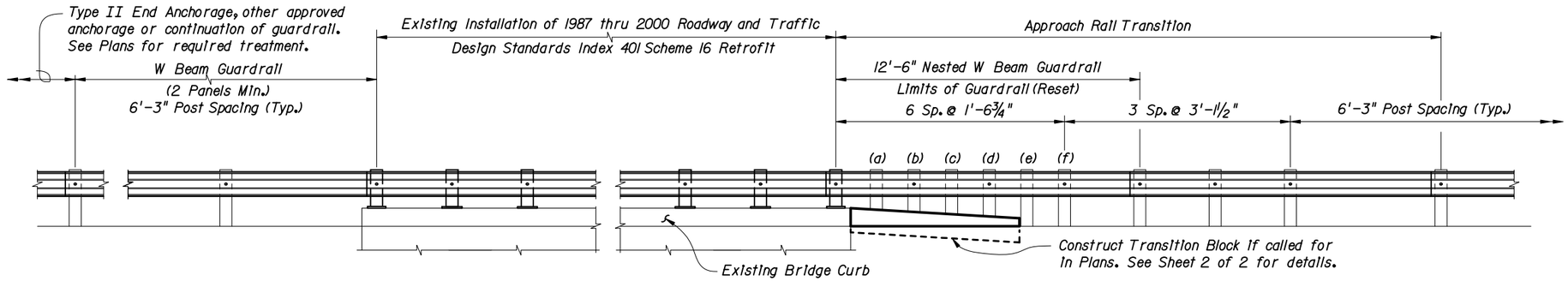
FINANCIAL PROJECT ID	STATE PROJ. NO.	SHEET NO.



PARTIAL PLAN

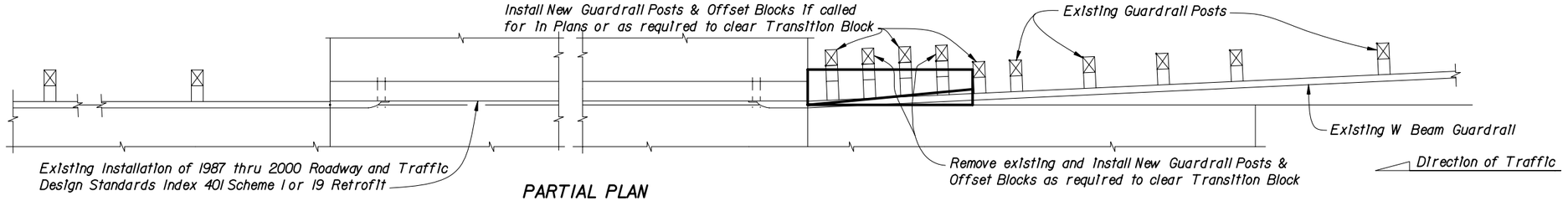


TRAILING END *

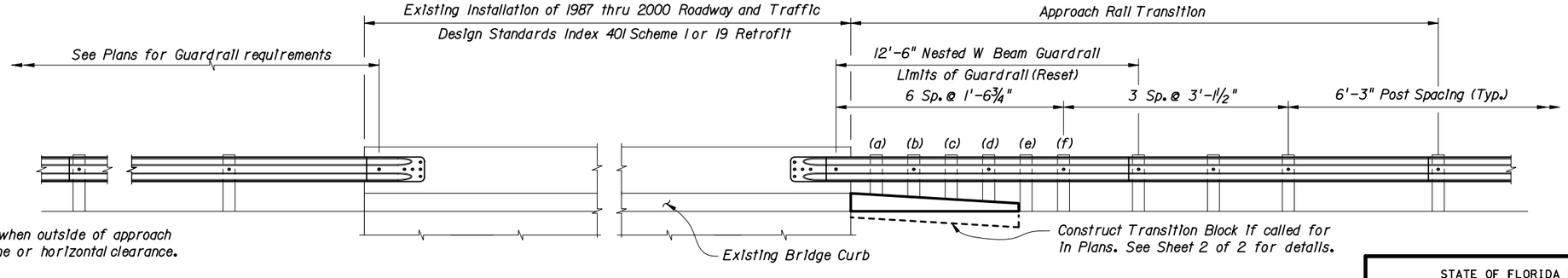
APPROACH END

Note:
Do not bolt nested W Beam to Posts and Offset Blocks at Posts (a), (c) & (e), (Typ.)

PARTIAL ELEVATION
W-BEAM BRIDGE TRAFFIC RAILING RETROFITS



PARTIAL PLAN



* For use when outside of approach clear zone or horizontal clearance.

TRAILING END *

APPROACH END

PARTIAL ELEVATION
VERTICAL FACE BRIDGE TRAFFIC RAILING RETROFITS

INTERIM STANDARD IN ENGLISH UNITS APPLICABLE TO DESIGN STANDARDS BOOKLET PUBLISHED IN ENGLISH UNITS.

Date: 07-01-05

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

GUARDRAIL TRANSITIONS FOR EXISTING BRIDGE TRAFFIC RAILING RETROFITS

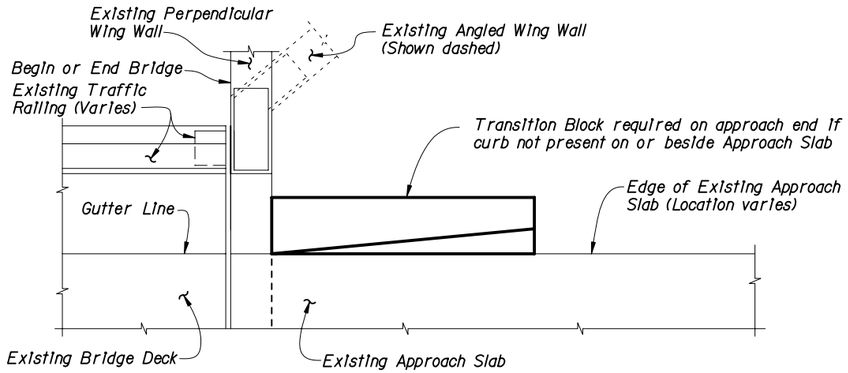
INTERIM STANDARD

THIS INDEX IS A SUPPLEMENT TO THE DESIGN STANDARDS, BOOKLET DATED JANUARY 2004.

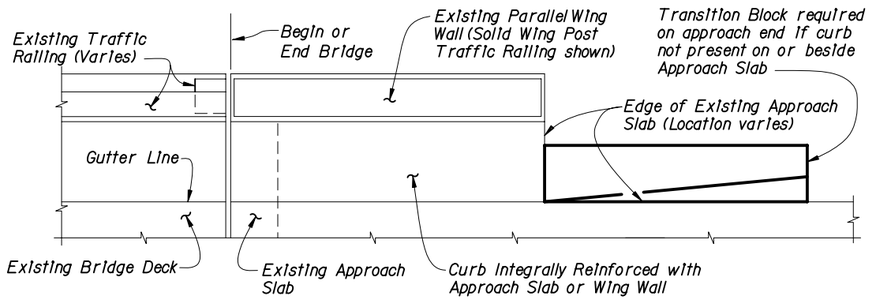
APPROVED BY
State Roadway Design Engineer

REVISION NO.	SHEET NO.	INDEX NO.
2005	1 Of 2	403

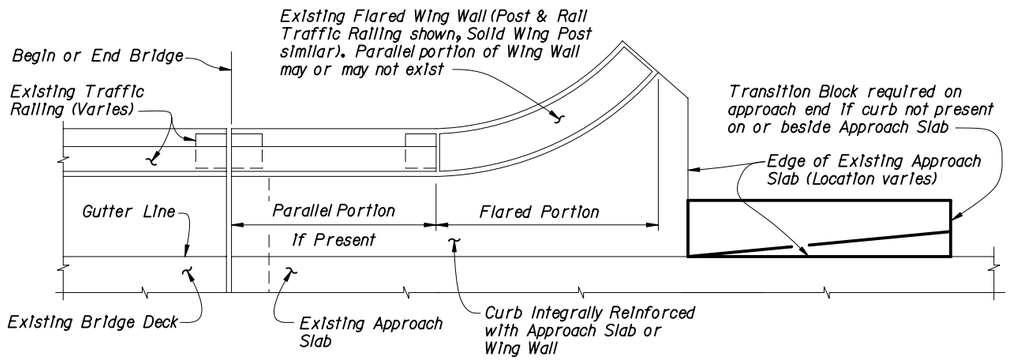
FINANCIAL PROJECT ID	STATE PROJ. NO.	SHEET NO.



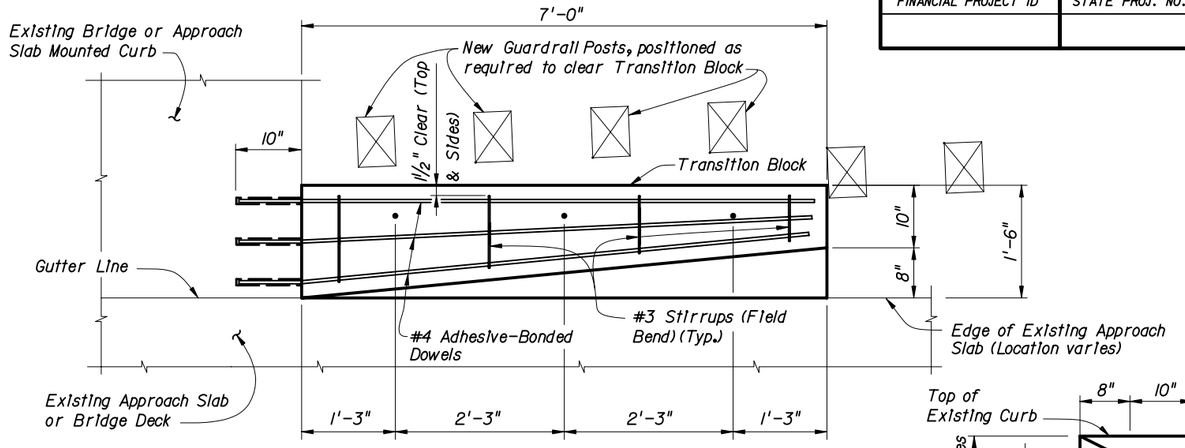
PARTIAL PLAN VIEW OF EXISTING BRIDGE WITH PERPENDICULAR OR ANGLED WING WALLS



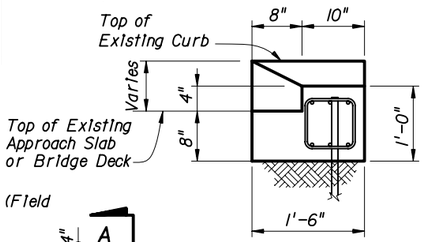
PARTIAL PLAN VIEW OF EXISTING BRIDGE WITH PARALLEL WING WALLS AND INTEGRALLY REINFORCED APPROACH SLAB CURBS (APPROACH SLAB WITH DETACHED CURBS OR SIDEWALK SIMILAR)



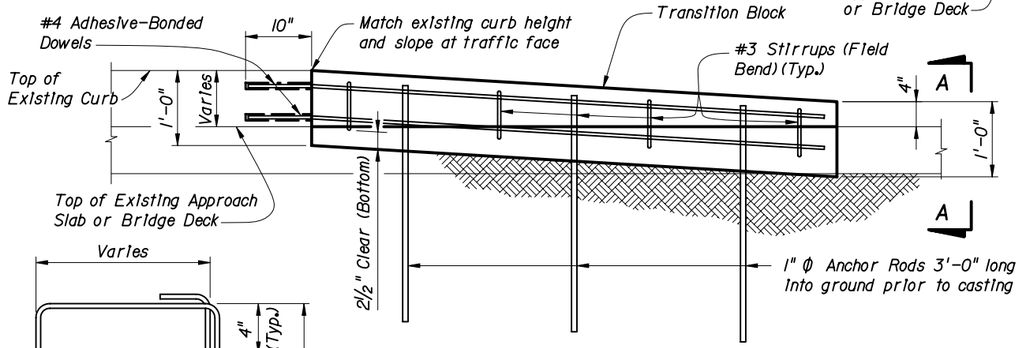
PARTIAL PLAN VIEW OF EXISTING BRIDGE WITH FLARED WING WALLS AND PARALLEL INTEGRALLY REINFORCED APPROACH SLAB CURBS (APPROACH SLAB WITH DETACHED CURBS OR SIDEWALK SIMILAR)



PLAN VIEW OF TRANSITION BLOCK (GUARDRAIL NOT SHOWN FOR CLARITY)



END VIEW A-A



ELEVATION OF TRANSITION BLOCK (GUARDRAIL AND POSTS NOT SHOWN FOR CLARITY)

#3 STIRRUP (FIELD BEND)

NOTES:

CONCRETE: Concrete for Transition Blocks shall be Class II (Miscellaneous).

REINFORCING STEEL: Reinforcing steel shall be ASTM A615, Grade 60.

ANCHOR RODS: Steel Anchor Rods shall be ASTM A36, ASTM A709 Grade 36 or ASTM A615 Grade 60 hot dip galvanized in accordance with Specification Section 962.

W BEAM GUARDRAIL: Guardrail components and installation shall be in accordance with Design Standards Index 400.

ADHESIVE-BONDED DOWELS: Adhesive Bonding Material Systems for Dowels shall comply with Specification Section 937 and be installed in accordance with Specification Section 416.

Adhesive Bonded Dowels are shown installed in an existing curb or sidewalk integrally reinforced with Approach Slab, Wingwall or Bridge Deck. For installations in existing detached curbs or sidewalks, install dowels in available sound concrete.

PAYMENT: Payment for Guardrail work will be made under Pay Item Guardrail (Reset) (LF). Payment for Transition Block will be made under Pay Items Concrete Class II (Miscellaneous) (CY) and Reinforcing Steel (Roadway) (LB).

Date: 07-01-05

ESTIMATED QUANTITIES		
ITEM	UNIT	QUANTITY
Concrete Class II (Miscellaneous)	C.Y.	0.4
Reinforcing Steel (Roadway)	LB.	61
Guardrail (Reset)	L.F.	12.5

INTERIM STANDARD IN ENGLISH UNITS APPLICABLE TO DESIGN STANDARDS BOOKLET PUBLISHED IN ENGLISH UNITS.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

GUARDRAIL TRANSITIONS FOR EXISTING BRIDGE TRAFFIC RAILING RETROFITS

INTERIM STANDARD

THIS INDEX IS A SUPPLEMENT TO THE DESIGN STANDARDS, BOOKLET DATED JANUARY 2004.

APPROVED BY
State Roadway Design Engineer

REVISION NO.	SHEET NO.	INDEX NO.
2005	2 Of 2	403