

LEE COUNTY BOARD OF COUNTY COMMISSIONERS
LEE COUNTY DEPARTMENT OF TRANSPORTATION
CONTRACT NO. 7240

PLANS FOR CLEANING & COATING OF CONCRETE SURFACES AT
CAPE CORAL BRIDGE/COLLEGE PARKWAY AND
VETERANS MEMORIAL PARKWAY/COLONIAL BOULEVARD

INDEX OF CLEANING AND COATING PLANS

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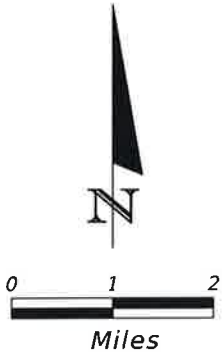
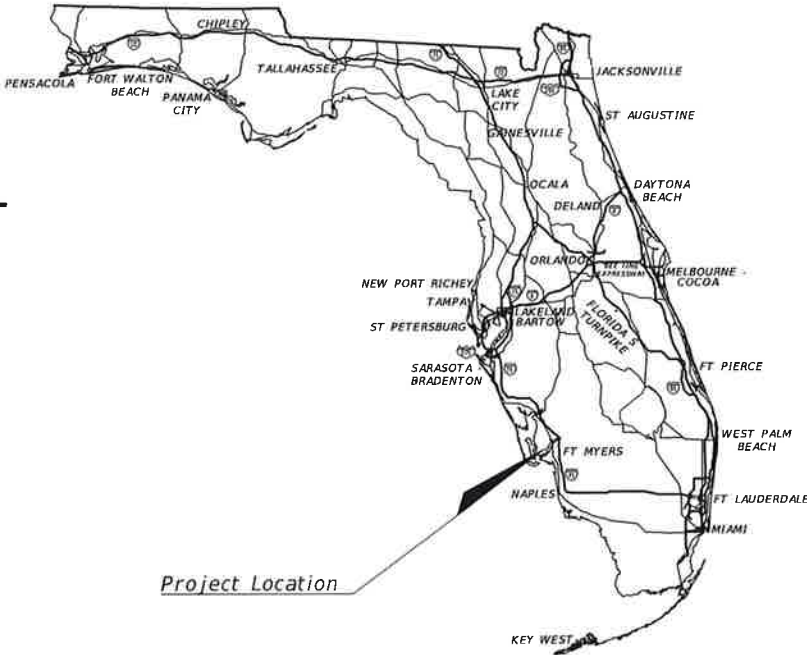
VETERANS MEMORIAL
PARKWAY / COLONIAL BLVD
BEGIN PROJECT
0.077 MI EAST OF
COUNTRY CLUB BLVD.

CAPE CORAL BRIDGE /
COLLEGE PARKWAY
BEGIN PROJECT
0.537 MI EAST OF
DEL PRADO BLVD.



VETERANS MEMORIAL
PARKWAY / COLONIAL BLVD
END PROJECT
0.180 MI EAST OF
MCGREGOR BLVD.

CAPE CORAL BRIDGE /
COLLEGE PARKWAY
END PROJECT
0.281 MI EAST OF
MCGREGOR BLVD.



PLANS PREPARED BY:
KISINGER CAMPO & ASSOCIATES, CORP.
ONE TAMPA CITY CENTER
201 N. FRANKLIN STREET, SUITE 400
TAMPA, FL 33602
PHONE: (813) 871-5331
CERTIFICATE OF AUTHORIZATION NO. 02317

NOTE: THE SCALE OF THESE PLANS MAY
HAVE CHANGED DUE TO REPRODUCTION.



CLEANING AND COATING PLANS
ENGINEER OF RECORD: KIPLING LASKARIS, P.E.
P.E. NO. : 75005

GOVERNING DESIGN STANDARDS:
Florida Department of Transportation, FY2017-18 Design Standards eBook (DSeB)
and applicable Design Standard Revision (DSRs) at the following website:
<http://www.fdot.gov/roadway/DesignStandards/Standards.shtm>

GOVERNING STANDARD SPECIFICATIONS:
Florida Department of Transportation, July 2017 Standard Specifications
for Road and Bridge Construction at the following website:
<http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

LEE COUNTY, FLORIDA
PROJECT MANAGER: EHAB B. GUIRGUIS, P.E.

FISCAL YEAR	SHEET NO.
18	1

PROJECT GENERAL NOTES

CONTRACTOR SHALL VISIT THE SITES PRIOR TO SUBMITTING BID TO OBTAIN FAMILIARITY WITH THE LEVEL AND EFFORT OF WORK.

DESIGN SPECIFICATIONS:

1. FDOT STRUCTURES MANUAL DATED JANUARY 2017 AND SUBSEQUENT STRUCTURES DESIGN BULLETINS.
2. AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) LOAD AND RESISTANCE FACTOR (LRFD) BRIDGE DESIGN SPECIFICATIONS [7th] EDITION AND ALL SUBSEQUENT INTERIMS.
3. FDOT PLANS PREPARATION MANUAL DATED JANUARY, 2017.

MAINTENANCE OF TRAFFIC:

DEVELOP A TEMPORARY TRAFFIC CONTROL PLAN (TTCP) IN ORDER TO FACILITATE PERFORMING THE SCOPE OF WORK. ANY WORK ASSOCIATED WITH THE DESIGN AND IMPLEMENTATION OF THE TTCP SHALL BE COVERED UNDER PAY ITEM 102-1, MAINTENANCE OF TRAFFIC. THE TTCP MUST BE SUBMITTED TO AND APPROVED BY THE COUNTY AND ENGINEER PRIOR TO BEGINNING ANY WORK. THE TTCP SHALL BE SIGNED AND SEALED BY A REGISTERED FLORIDA PROFESSIONAL ENGINEER PRE-QUALIFIED IN WORK TYPE 3.1 PER CHAPTER 14 OF THE FLORIDA ADMINISTRATIVE CODE. NO WORK SHALL COMMENCE PRIOR TO THE REVIEW AND APPROVAL OF THE TTCP BY THE ENGINEER. THE TTCP SHALL MEET THE FOLLOWING REQUIREMENTS:

1. DESIGN THE TTCP PER CONTRACT DOCUMENTS, AND THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. NOTIFY THE COUNTY TWO WEEKS PRIOR TO IMPLEMENTING ANY TTCP.
3. EXISTING POSTED SPEED LIMITS SHALL REMAIN DURING CONSTRUCTION.
4. USE A MINIMUM TRAVEL LANE WIDTH OF 12'.
5. THERE ARE NO LANE CLOSURES ALLOWED FROM 5:00AM TO 9:00PM.
6. A LANE MAY ONLY BE CLOSED DURING ACTIVE WORK PERIODS.
7. ADDRESS PEDESTRIAN TRAFFIC.
8. FULL CLOSURE OF TOLL FACILITIES, STREETS AND BRIDGES IS NOT ALLOWED.
9. NO WORK SHALL BE PERFORMED ABOVE TRAFFIC.

DESIGNATED CONTACTS:

LOCATION	CONTACT	TELEPHONE NUMBERS	E-MAIL
CAPE CORAL TOLL FACILITY	SUSAN FRAZER	0:(239) 533-0108	sfrazer@leegov.com
MIDPOINT TOLL FACILITY	SUSAN HOPWOOD	0:(239) 533-0137 C:(239) 321-4057	shopwood@leegov.com
BACK UP CONTACT	MARIE MARRO	0:(239) 533-0147 C:(239) 478-1000	mmarro@leegov.com

OPERATIONS:

1. THE CONTRACTOR SHALL GIVE THE RESPECTIVE TOLL FACILITY CONTACT FIVE CALENDAR DAYS NOTICE BEFORE ANY WORK COMMENCES.
2. THE CONTRACTOR SHALL START AND FINISH WORK ON THE CAPE CORAL BRIDGE/COLLEGE PARKWAY CORRIDOR BEFORE STARTING WORK ON THE VETERANS MEMORIAL PARKWAY/COLONIAL BOULEVARD CORRIDOR. WORK ON THE TWO CORRIDORS SHALL NOT BE DONE SIMULTANEOUSLY.
3. THE CONTRACTOR SHALL CHECK WITH THE TOLL CONTACTS CONCERNING ALL SPECIAL EVENTS. THE CONTRACTOR SHALL ABIDE BY FDOT SPECIFICATIONS SECTION 8-6.4.
4. WORK PHASING SHALL CONFORM TO TTCP.
5. DO NOT ALLOW ANY DEBRIS IN TRAVELWAYS AT ANY TIME.

SURFACE PREPARATION AND CONTAINMENT:

CONTAINMENT AND SURFACES SHALL BE PREPARED AS PER THE TECHNICAL SPECIFICATIONS.

POLLUTION CONTROL:

1. SUBMIT A POLLUTION CONTROL PLAN TO THE ENGINEER, IN ACCORDANCE WITH FDOT SPECIFICATIONS, FOR APPROVAL PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES.
2. DO NOT ALLOW, AT ANY TIME, ANY DISCHARGE TO FALL INTO THE WATERWAYS.

CONCRETE COVER:

CONCRETE COVER SHOWN IN THE PLANS DOES NOT INCLUDE PLACEMENT OR FABRICATION TOLERANCES UNLESS SHOWN AS "MINIMUM COVER". SEE FDOT SPECIFICATIONS FOR ALLOWABLE REINFORCEMENT TOLERANCES.

PAINTING NOTES:

1. PAINTS SHALL INCLUDE CLASS 5 FINISHES, ANTI-SKID COATINGS, AND PAINT SYSTEMS AS SPECIFIED. IF THE PAINT COLOR HAS BEEN SPECIFIED IN THE PLANS AS "MATCH EXISTING", THEN THE CONTRACTOR SHALL MATCH THE COLOR OF THE ITEM BEING PAINTED. A TEST PAINT SAMPLE OF THE COLOR MATCH SHALL BE PERFORMED. THE SAMPLE SHALL NOT BE LESS THAN 4" X 4". A WRITTEN APPROVAL OF THE COLOR MATCH FROM THE TOLL FACILITY CONTACT IS REQUIRED PRIOR TO THE COMMENCEMENT OF PAINTING. PAINT SHALL BE APPLIED PER MANUFACTURER'S RECOMMENDATIONS.
2. ALL STRUCTURES AND ITEMS THAT ARE SUBJECTED TO OVERPAINT OR OVERSPRAY SHALL BE COVERED OR SHIELDED. ANY OVERPAINT OR OVERSPRAY RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE REMOVED TO THE TOLL FACILITY'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
3. THE CONTRACTOR SHALL NOT UNFASTEN ANY CRASH ATTENUATORS FROM THE CONCRETE BASE BLOCKS AT THE TOLL FACILITIES. THE CONCRETE BASE BLOCKS OF THE CRASH ATTENUATORS SHALL BE PAINTED.
4. COATING SYSTEM SHALL BE IN ACCORDANCE WITH TECHNICAL SPECIFICATIONS.

CONCRETE APPLICATION:

CLASS 5 FINISH COATING SHALL BE APPLIED TO THE EXPOSED CONCRETE SURFACES AS DETAILED IN THE PLANS IN ACCORDANCE WITH SECTION 400-15.2.6 OF THE FDOT SPECIFICATIONS. SEE THE CLASS 5 APPLICATION DETAILS ON SHEET NO. 3.

MARINE OPERATIONS:

1. DO NOT OBSTRUCT NAVIGATIONAL LIGHTS. IF TEMPORARY WORK STRUCTURES MUST OBSTRUCT LIGHTS, EXTEND LIGHTS BELOW SCAFFOLDING SO THEY ARE VISIBLE TO MARINERS.
2. CONTACT THE UNITED STATES COAST GUARD DISTRICT SEVEN OFFICE A MINIMUM OF 30 DAYS PRIOR TO BEGINNING ANY WORK PAINTING EXTERIOR BRIDGE BEAMS OVER WATER.
3. IT IS REQUIRED THAT ANY TEMPORARY WORKS (SCAFFOLDING, CONTAINMENT, ETC) ONLY BE SET UP IN A MANNER THAT ALLOWS SAFE PASSAGE AND FULL VERTICAL CLEARANCE TO WATERBORNE VESSELS.
4. IF AT ANY TIME OPERATIONS ARE PERFORMED FROM A FLOATING BARGE, MONITOR VHF RADIO CHANNEL 16 AND COMMUNICATE WITH MARINE TRAFFIC AS NECESSARY.
5. NOTIFY AND/OR COORDINATE WITH THE COAST GUARD WHENEVER THE CONTRACTOR PLANS TO BE IN WATER FOR ANY PERIOD OF TIME.
6. IMPLEMENT THE U.S. FISH AND WILDLIFE SERVICES (USFWS) AND THE FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION (FFWCC) CONSTRUCTION CONDITIONS FOR IN-WATER WORK FOR THE FOLLOWING PROTECTED SPECIES: WEST INDIAN MANATEE, SEA TURTLE, AND SMALLTOOTH SAWFISH.

CONCRETE FINISHES:

FINISH IN ACCORDANCE WITH FDOT SPECIFICATIONS UNLESS OTHERWISE NOTED. PROVIDE 3/4" CHAMFERS ON ALL EXPOSED EDGES UNLESS OTHERWISE NOTED.

UTILITIES:

LOCATE ALL UTILITIES PRIOR TO COMMENCING CONSTRUCTION. CONTACT SUNSHINE AT (800) 432-4770 AND ANY OTHER LOCAL UTILITIES TO VERIFY EXISTING UTILITIES AT SITE OF CONSTRUCTION. IF ANY EXISTING UTILITIES CONFLICT WITH PROPOSED CONSTRUCTION METHODS, MATERIALS, OR EQUIPMENT, NOTIFY THE ENGINEER.

UTILITY AGENCY OWNERS

CENTURYLINK
CITY OF CAPE CORAL
CITY OF FORT MYERS
COMCAST
COMCAST CALBEVISION OF WEST FLORIDA
FIBERNET DIRECT
FLORIDA POWER & LIGHT
LEVEL 3 COMMUNICATIONS LLC
LEE COUNTY BOARD OF COUNTY COMMISSIONER
LEE COUNTY ELECTRIC CO-OP
LEE COUNTY SIGNAL
LEE COUNTY SIGNAL
LEE COUNTY UTILITIES
LEE MEMORIAL HEALTH SYSTEM
SUMMIT BROADBAND INC.
TECO PEOPLES GAS- FT MYERS

CONTACT

CRAIG CLARK
MARVIN MCINTYRE
NICOLE MONAHAN
LEONARD MAXWELL-NEWBOLD
GREG LAMB
DANNY HASKETT
JOEL BRAY
NETWORK RELATIONS
MARK FUHRMAN
TOM BAILEY
TOM WATTS
JOE SULAK
DAVID REYCRAFT
ANTHONY PIGNATARO
MIKE REBER
MARIULYN ALOI

TELEPHONE NUMBERS

239-336-2003
239-574-0851
239-321-7459
954-447-8405
239-334-8828 Ext: 129
305-552-2931
954-581-3088
877-366-8344 Ext: 2
239-533-7373
239-656-2414
239-533-9500
239-533-9400
239-533-8150
239-343-1004
239-325-4105 Ext: 261
239-690-5517



REVISIONS				 KISINGER CAMPO, & ASSOCIATES 201 N. Franklin Street, Suite 400 Tampa, Florida 33602 Board of Professional Engineers Certificate of Authorization No. 02317 Engineer of Record: Kipling Laskaris, P.E. P.E. No. 75005	LEE COUNTY DEPARTMENT OF TRANSPORTATION SOUTHWEST FLORIDA 1500 Monroe St., Fort Myers, FL 33901		GENERAL NOTES (1 OF 2)	SHEET NO. 2
DATE	DESCRIPTION	DATE	DESCRIPTION		PLANS OF PROPOSED	PROJECT NO.		
					PAINT PROJECT	6760		

DAMAGE TO EXISTING STRUCTURES:

ANY DAMAGES RESULTING FORM THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED TO THE TOLL FACILITY'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.

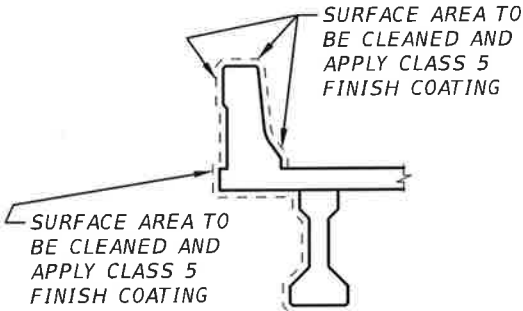
EXISTING BRIDGE CONSIDERATIONS:

DIMENSION VERIFICATION: UNLESS OTHERWISE NOTED, THE DIMENSIONS, ELEVATIONS AND INTERSECTING ANGLES SHOWN ARE BASED ON THE INFORMATION AS DETAILED IN THE ORIGINAL CONSTRUCTION PLANS OF THE EXISTING BRIDGES AND MAY NOT REPRESENT AS-BUILT CONDITIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THIS DATA BEFORE BEGINNING CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.

EXISTING SIGN PANELS:

SIGN PANELS WHICH ARE ATTACHED TO A SURFACE TO BE CLEANED AND PAINTED SHALL BE PROTECTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS.

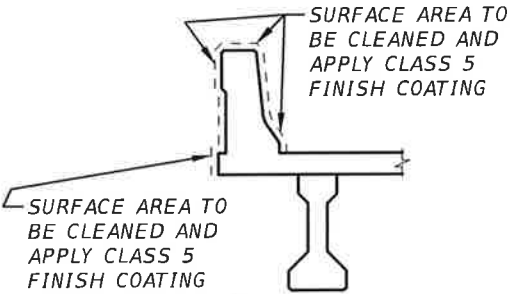
ANY DAMAGES RESULTING FROM THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED TO THE TOLL FACILITY'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.



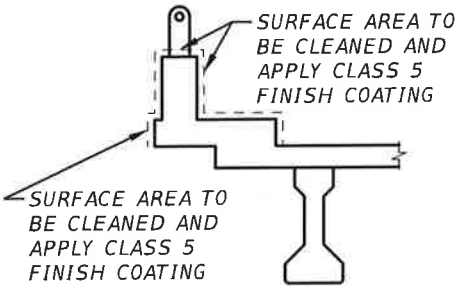
TYPICAL APPLICATION OF CLASS 5 FINISH COATING FOR BRIDGE BARRIER
(FOR BRIDGE NO'S. 124066, 124096 & 124099)



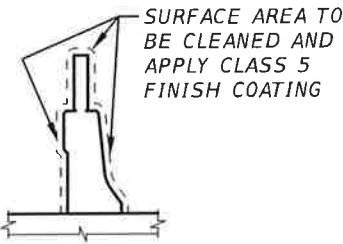
TYPICAL APPLICATION OF CLASS 5 FINISH COATING FOR ROADWAY BARRIER
(32" F-SHAPE TRAFFIC RAILING BARRIER SHOWN. MEDIAN BARRIER AND OTHER TYPES OF ROADWAY BARRIER FINISH APPLICATIONS SIMILAR)



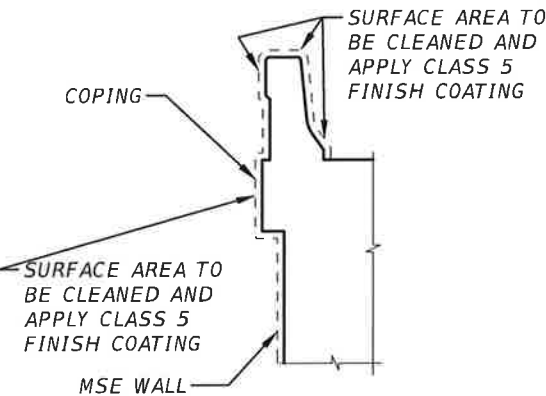
TYPICAL APPLICATION OF CLASS 5 FINISH COATING FOR BARRIER AT EASTBOUND CAPE CORAL BRIDGE



TYPICAL APPLICATION OF CLASS 5 FINISH COATING FOR BARRIER AT WESTBOUND CAPE CORAL BRIDGE



TYPICAL APPLICATION OF CLASS 5 FINISH COATING FOR OPAQUE VISUAL BARRIER

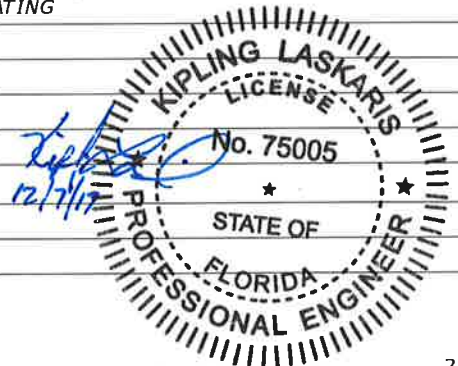


TYPICAL APPLICATION OF CLASS 5 FINISH COATING FOR BARRIER AND MSE WALL
(FOR APPROACHES AT BRIDGE NO'S. 124066 & 124099)




REVISIONS				<div><div>KCA</div><div>KISINGER CAMPO & ASSOCIATES</div><div>201 N. Franklin Street, Suite 400 Tampa, Florida 33602 Board of Professional Engineers Certificate of Authorization No. 02317 Engineer of Record: Kipling Laskaris, P.E. P.E. No. 75005</div></div>	LEE COUNTY DEPARTMENT OF TRANSPORTATION SOUTHWEST FLORIDA 1500 Monroe St., Fort Myers, FL 33901		GENERAL NOTES (2 OF 2)		SHEET NO. 3
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SUMMARY OF STRUCTURE QUANTITIES - CAPE CORAL TOLL FACILITY					
PAY ITEM	DESCRIPTION	COLOR	LOCATION	UNIT	QUANTITY
101-1	MOBILIZATION			LS	1
102-1	MAINTENANCE OF TRAFFIC			LS	1
400-143	CLEANING AND COATING CONCRETE SURFACE, CLASS 5				
		SANDALWOOD T-114	BEGIN CORRIDOR TO CAPE CORAL BRIDGES	SF	5522
		SANDALWOOD T-114	BRIDGE 124044	SF	53379
		SANDALWOOD T-114	BRIDGE 124065	SF	58680
		SANDALWOOD T-114	END CAPE CORAL BRIDGES TO BRIDGE 124066	SF	56153
		SANDALWOOD T-114	BRIDGE 124066 TO END CORRIDOR	SF	79631
		SANDALWOOD T-114	TOLL PLAZA	SF	7144
			CANOPY UNDERSIDE	SF	9147
400-145	CLEANING CONCRETE SURFACE				
400-150	CLEANING AND SEALING EXISTING CONCRETE SURFACES				
		SANDALWOOD T-114	TOLL PLAZA ANTI-SLIP COATING	SF	759
		CLEARCOAT	TOLL PLAZA	SF	763
		YELLOW	TOLL PLAZA BOLLARDS	SF	69
		BLUE	CALOOSA YACHT & RAQUET CLUB WALL	SF	1924
		CREAM	CALOOSA YACHT & RAQUET CLUB WALL	SF	22959
401-70-4	RESTORE SPALLED AREAS, PORTLAND CEMENT GROUT			CF	10
411-1	EPOXY MATERIAL FOR CRACK INJECTION			GA	2
411-2	INJECT AND SEAL CRACK			LF	100
SUMMARY OF STRUCTURE QUANTITIES - MIDPOINT CORRIDOR TOLL FACILITY					
PAY ITEM	DESCRIPTION	COLOR	LOCATION	UNIT	QUANTITY
101-1	MOBILIZATION			LS	1
102-1	MAINTENANCE OF TRAFFIC			LS	1
400-143	CLEANING AND COATING CONCRETE SURFACE, CLASS 5				
		SANDALWOOD T-114	BEGIN CORRIDOR TO END BRIDGE 124099	SF	26769
		SANDALWOOD T-114	END BRIDGE 124099 TO BEGIN BRIDGE 124098	SF	66755
		SANDALWOOD T-114	BRIDGE 124098	SF	50885
		SANDALWOOD T-114	END BRIDGE 124098 TO BEGIN BRIDGE 124096	SF	73443
		SANDALWOOD T-114	BRIDGE 124096	SF	329658
		SANDALWOOD T-114	BEGIN BRIDGE 124095 TO END CORRIDOR	SF	22997
		SANDALWOOD T-114	BUFFER WALL	SF	225652
		SANDALWOOD T-114	TOLL PLAZA	SF	9508
			CANOPY UNDERSIDE	SF	11169
400-145	CLEANING CONCRETE SURFACE				
400-150	CLEANING AND SEALING EXISTING CONCRETE SURFACES				
		SANDALWOOD T-114	TOLL PLAZA ANTI-SLIP COATING	SF	1147
		CLEARCOAT	TOLL PLAZA	SF	1760
		YELLOW	TOLL PLAZA BOLLARDS	SF	103
		WHITE	TOLL BUILDING	SF	708
		GREEN	TOLL BUILDING	SF	217
401-70-4	RESTORE SPALLED AREAS, PORTLAND CEMENT GROUT			CF	20
411-1	EPOXY MATERIAL FOR CRACK INJECTION			GA	5
411-2	INJECT AND SEAL CRACK			LF	200



PAY ITEM NOTES:

1. PAYMENT FOR INCIDENTAL ITEMS NOT SPECIFICALLY COVERED IN THE INDIVIDUAL BID ITEMS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE BID ITEMS CONTAINED IN THIS CONTRACT.
2. ALL COSTS ASSOCIATED WITH SURFACE PREPARATION ARE INCLUDED IN THE BID ITEM OF THE STRUCTURE TO BE COATED.

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DATE	DESCRIPTION	DATE	DESCRIPTION		PLANS OF PROPOSED	PROJECT NO.		4
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CAPE CORAL TOLL FACILITY NOTES:

1. THE CONCRETE ISLANDS ABOVE THE ROADWAY INCLUDING CONCRETE COLUMNS, CANOPY FASCIA (SEE DETAIL 1), AND ALL EXPOSED SURFACES OF THE CRASH ATTENUATOR CONCRETE BLOCKS SHALL BE CLEANED PRIOR TO PAINTING. ALL SURFACES OF THE ISLAND GATORHEADS AND EXTERIOR OF THE STAIRWAY ENTRANCE BLOCKS (AS SHOWN IN DETAIL 3) SHALL RECEIVE A CLEAR SEAL COATING ON TOP OF THE PAINT. THE STAIRWAY LEADING DOWN TO THE TUNNEL WHICH INCLUDES THE STAIRS, WALLS, CEILING AND FLOOR SHALL BE CLEANED PRIOR TO PAINTING (SEE DETAIL 2 FOR LIMITS). THE 6" DIA. STEEL BOLLARDS WHICH PROTRUDE 3'-0" FROM THE CONCRETE ISLANDS SHALL BE CLEANED AND THEN PAINTED WITH ANTI-SKID PAINT (SEE DETAIL 3) NO PAINTS OR SEALERS SHALL BE APPLIED BENEATH THE ANTI-SKID PAINT. RAISED WARNING MARKINGS AND ANTI-SKID STRIPS ON STAIRS AND STAIR ENTRANCES SHALL NOT BE CLEANED AND PAINTED. ALL TOLLING EQUIPMENT, SIGNAL ASSEMBLIES AND STAIR HANDRAILS SHALL NOT BE CLEANED AND PAINTED. THE TOLL BOOTHS SHALL NOT BE CLEANED AND PAINTED. CONTRACTOR SHALL SUBMIT PRODUCT DATA SHEETS AND MANUFACTURER'S WARRANTY FOR PROPOSED COATINGS TO THE ENGINEER FOR APPROVAL. THE PAINTS SHALL BE APPLIED TO THE CLEANED SURFACE AS FOLLOWS:

SURFACE TO BE PAINTED	FINISH / COATING	COLOR
CANOPY FASCIA	400-15.2.6 CLASS 5 APPLIED FINISH COATING	SANDALWOOD T-114
STAIRWAY	400-15.2.6 CLASS 5 APPLIED FINISH COATING	SANDALWOOD T-114
CANOPY SUPPORT COLUMNS	400-15.2.6 CLASS 5 APPLIED FINISH COATING	SANDALWOOD T-114
6" DIA. STEEL BOLLARDS	EPOXY MASTIC / POLYURETHANE	MATCH EXISTING "YELLOW"
CONCRETE ISLANDS INCLUDING CRASH ATTENUATOR BLOCKS, STAIR BLOCKS, AND GATORHEADS	400-15.2.6 CLASS 5 APPLIED FINISH COATING COAT 2- CLEAR SEAL (GATORHEADS, STAIR BLOCKS AND EXTERIOR OF THE STAIRWAY ENTRANCE BLOCKS ONLY) COAT 3- CLEAR SEAL (GATORHEADS, STAIR BLOCKS AND EXTERIOR OF THE STAIRWAY ENTRANCE BLOCKS ONLY)	SANDALWOOD T-114
CONCRETE ISLAND ANTI-SKID	ACRYLIC ANTI-SKID	SANDALWOOD T-114

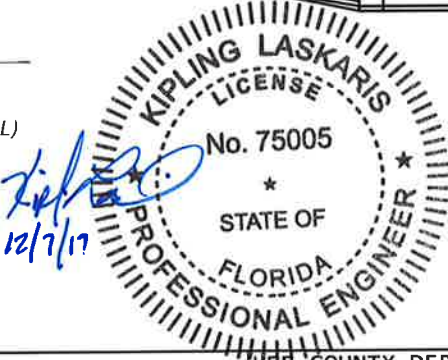
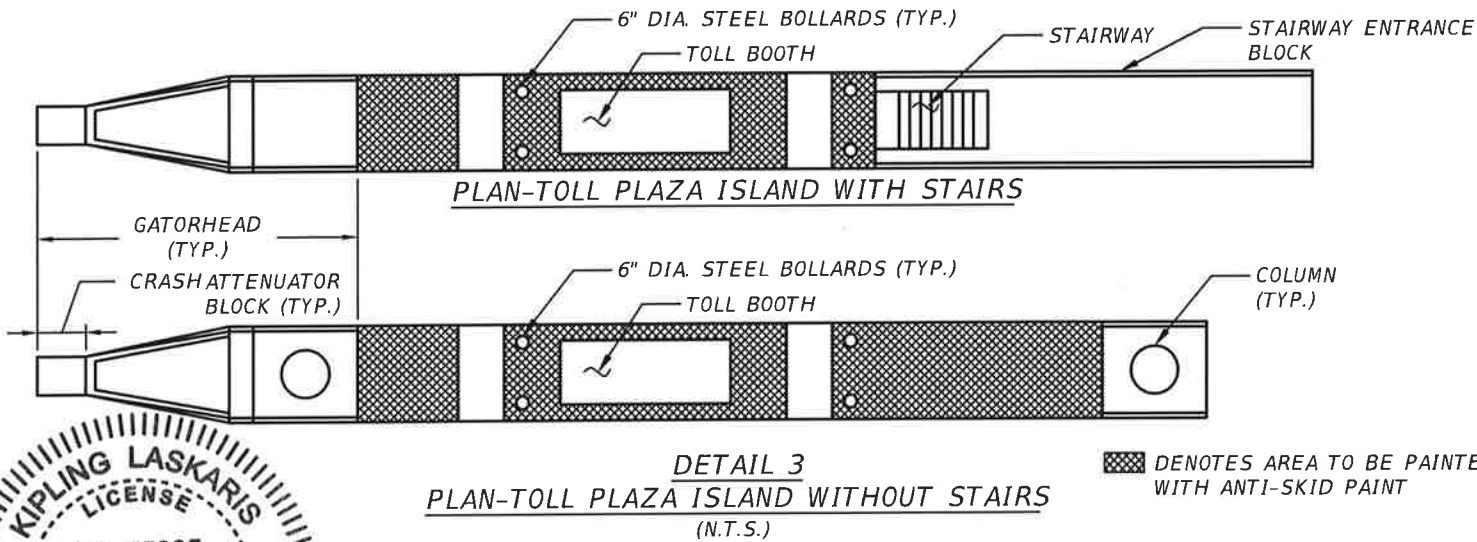
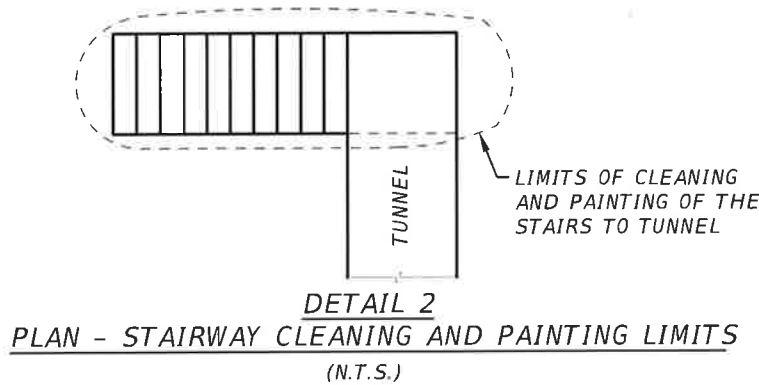
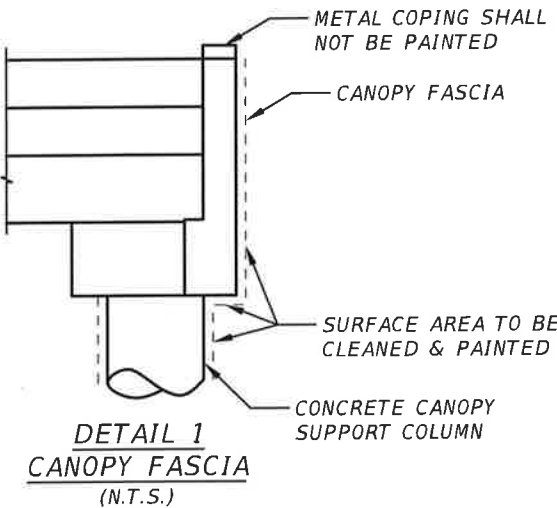
2. ALL TRAFFIC RAILING AND MEDIAN BARRIERS AS SHOWN IN DETAIL 4 ON SHEET NO. 6 SHALL BE PRESSURE CLEANED PRIOR TO RECEIVING THE CLASS 5 FINISH COATING. FOR CLASS 5 FINISH COATING DETAILS SEE SHEETS NO. 2 & NO. 5. CLASS 5 FINISH COATING SHALL BE APPLIED TO THE PRESSURE CLEANED SURFACE AS FOLLOWS:

SURFACE FOR CLASS 5 FINISH	FINISH / COATING	COLOR
TRAFFIC RAILING BARRIER, MEDIAN BARRIER	CLASS 5 FINISH, SMOOTH	SANDALWOOD T-114

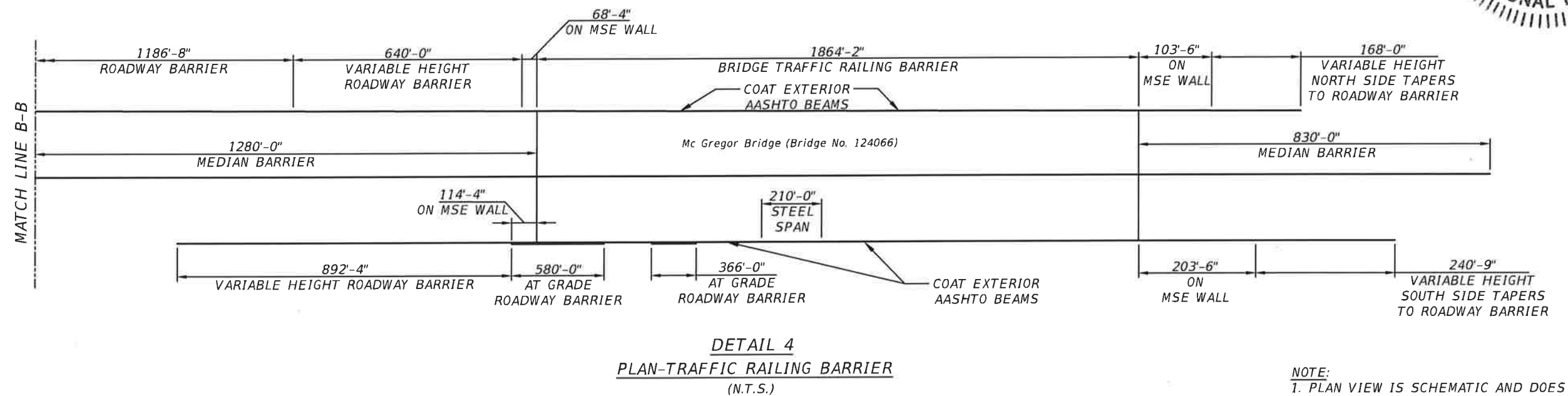
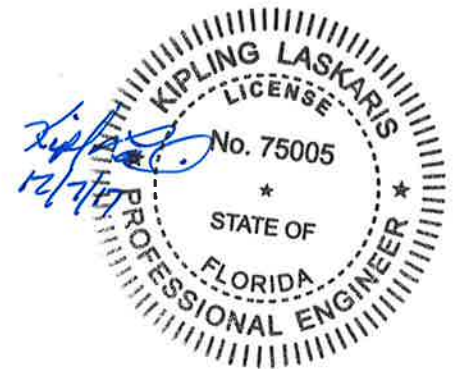
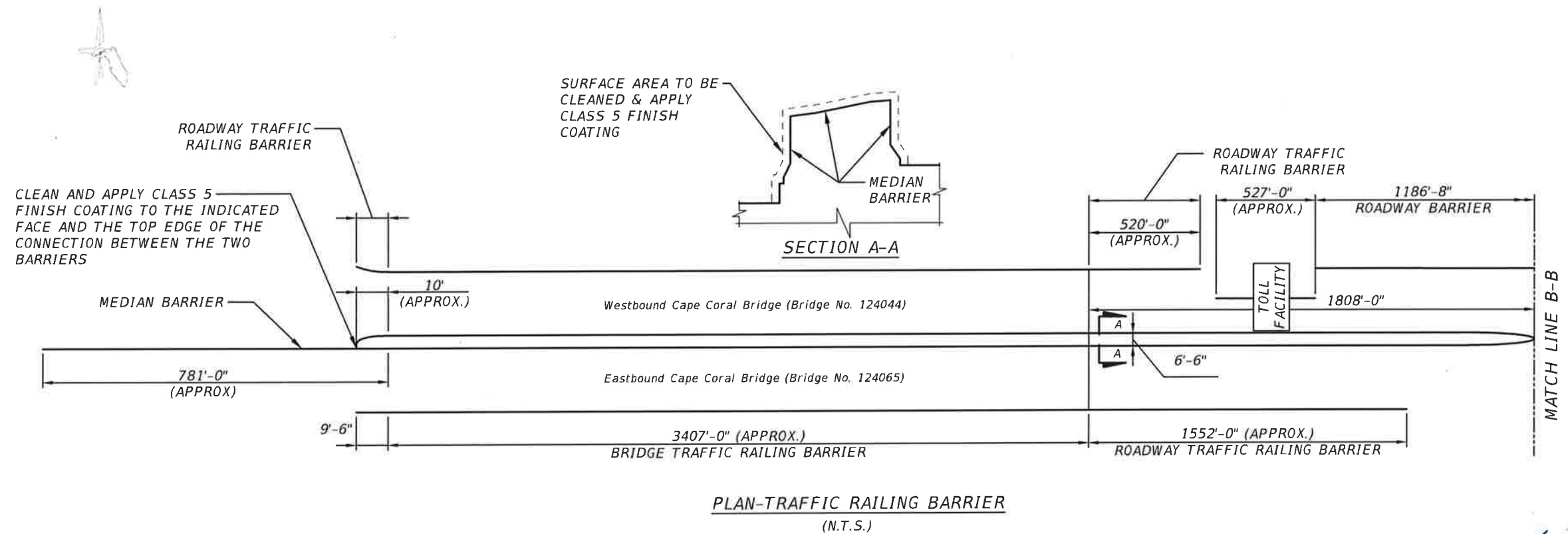
3. THE TOP AND FRONT FACE OF THE BUFFER WALLS NORTH OF COLLEGE PARKWAY SHALL BE CLEANED PRIOR TO PAINTING. SEE DETAILS 5 AND 6 ON THE SHEET NO. 7 FOR BUFFER WALL LOCATIONS AND CLARIFICATION OF FRONT FACE OF WALL. COMMUNITY SIGN RAISED LETTERS AND EMBLEMS (SUCH AS THE CALOOSA YACHT AND RACQUET CLUB) SHALL NOT BE PAINTED. PLANTS SHALL BE DRAPED FOR PROTECTION DURING THE CLEANING AND PAINTING PROCESS. PAINTS SHALL BE APPLIED TO THE CLEANED SURFACES AS FOLLOWS:

SURFACE TO BE PAINTED	FINISH / COATING	COLOR
BUFFER WALL, BUFFER WALL TRIM	COAT 1 - ACRYLIC SEALER COAT 2 - ACRYLIC SATIN	MATCH EXISTING "CREAM" (WALL) MATCH EXISTING "BLUE" (TRIM)

4. THE UNDERSIDE OF THE CONCRETE CANOPY SHALL BE CLEANED. THE CANOPY UNDERSIDE LIGHTING, CAMERAS AND TOLLING EQUIPMENT SHALL BE PROTECTED DURING CLEANING.

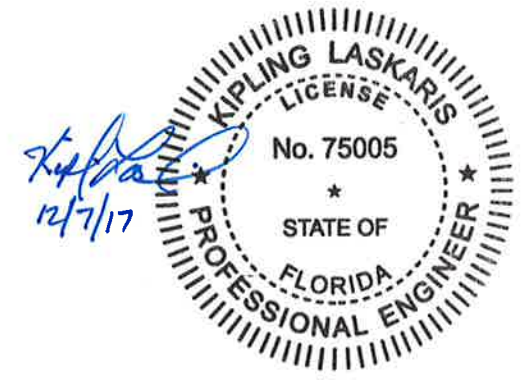
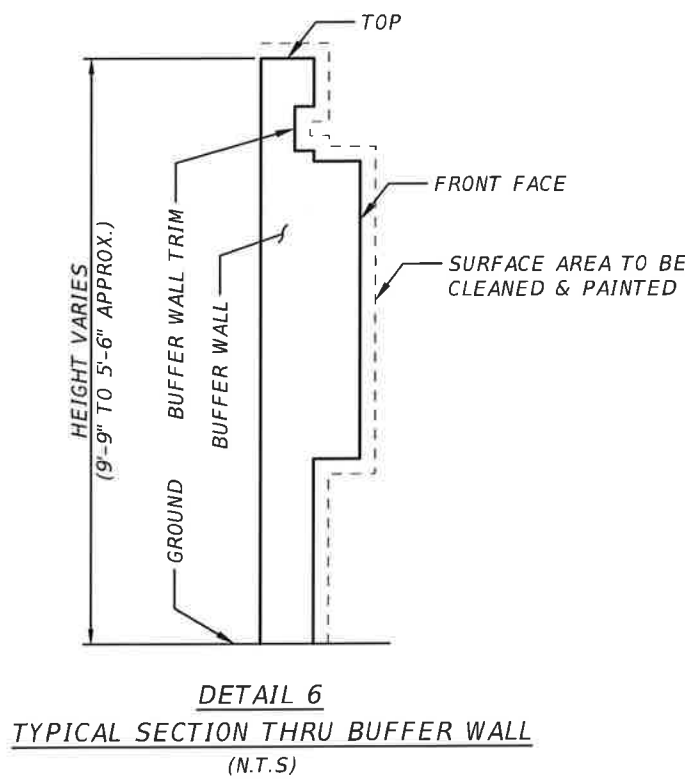
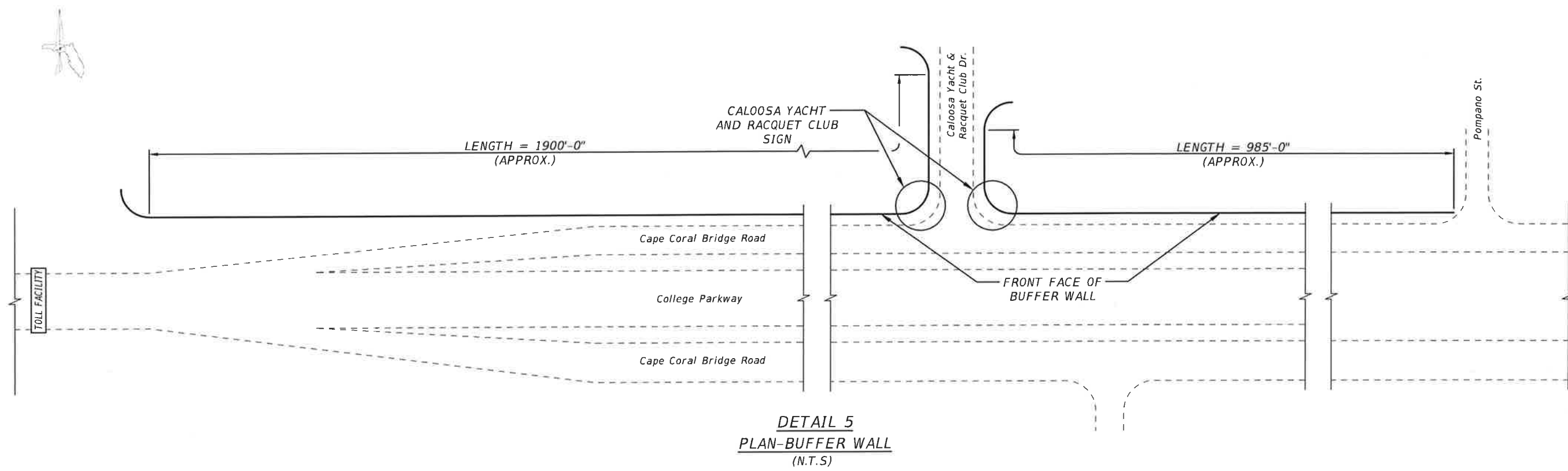


REVISIONS				KCA KISINGER CAMPO & ASSOCIATES 201 N. Franklin Street, Suite 400 Tampa, Florida 33602 Board of Professional Engineers Certificate of Authorization No. 02317 Engineer of Record: Kipling Laskaris, P.E. P.E. No. 75005	LEE COUNTY DEPARTMENT OF TRANSPORTATION SOUTHWEST FLORIDA 1500 Monroe St., Fort Myers, FL 33901		CAPE CORAL TOLL FACILITY (1 OF 3)		SHEET NO. 5
DATE	DESCRIPTION	DATE	DESCRIPTION		PLANS OF PROPOSED	PROJECT NO.			
					PAINT PROJECT	6760			




NOTE:
 1. PLAN VIEW IS SCHEMATIC AND DOES NOT REPRESENT ACTUAL ROADWAY AND WALL GEOMETRY.
 2. ALL DIMENSIONS ARE APPROXIMATE.

REVISIONS				<div> KISINGER CAMPO, & ASSOCIATES 201 N. Franklin Street, Suite 400 Tampa, Florida 33602 Board of Professional Engineers Certificate of Authorization No. 02317 Engineer of Record: Kipling Laskaris, P.E. P.E. No. 75005 </div>	LEE COUNTY DEPARTMENT OF TRANSPORTATION		CAPE CORAL TOLL FACILITY (2 OF 3)	SHEET NO. 6
DATE	DESCRIPTION	DATE	DESCRIPTION		PLANS OF PROPOSED	PROJECT NO.		
					PAINT PROJECT	6760		



NOTE:
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2. ALL DIMENSIONS ARE APPROXIMATE.

REVISIONS				<div>  KISINGER CAMPO, & ASSOCIATES 201 N. Franklin Street, Suite 400 Tampa, Florida 33602 Board of Professional Engineers Certificate of Authorization No. 02317 Engineer of Record: Kipling Laskaris, P.E. P.E. No. 75005 </div>	LEE COUNTY DEPARTMENT OF TRANSPORTATION SOUTHWEST FLORIDA 1500 Monroe St., Fort Myers, FL 33901		CAPE CORAL TOLL FACILITY (3 OF 3)	SHEET NO. 7
DATE	DESCRIPTION	DATE	DESCRIPTION		PLANS OF PROPOSED	PROJECT NO.		
					PAINT PROJECT	6760		

MIDPOINT CORRIDOR TOLL FACILITY NOTES:

1. THE CONCRETE ISLANDS ABOVE THE ROADWAY INCLUDING CONCRETE COLUMNS, CANOPY FASCIA (SEE DETAIL 7), AND ALL EXPOSED SURFACES OF THE CRASH ATTENUATOR CONCRETE BLOCKS SHALL BE CLEANED PRIOR TO PAINTING. ALL SURFACES OF THE ISLAND GATORHEADS AND EXTERIOR OF THE STAIRWAY ENTRANCE BLOCKS (AS SHOWN IN DETAIL 8) SHALL RECEIVE A CLEAR SEAL COATING ON TOP OF THE PAINT. THE 6" DIA. STEEL BOLLARDS WHICH PROTRUDE 3'-0" FROM THE CONCRETE ISLANDS SHALL BE CLEANED PRIOR TO PAINTING. THE TOP FACE (WALKING SURFACES ONLY) OF THE ISLANDS SHALL BE CLEANED AND THEN PAINTED WITH ANTI-SKID PAINT (SEE DETAIL 8) NO PAINTS OR SEALERS SHALL BE APPLIED BENEATH THE ANTI-SKID PAINT. RAISED WARNING MARKINGS AND ANTI-SKID STRIPS ON STAIRS AND STAIR ENTRANCES SHALL NOT BE CLEANED AND PAINTED. ALL TOLLING EQUIPMENT, SIGNAL ASSEMBLIES AND STAIR HANDRAILS SHALL NOT BE CLEANED AND PAINTED. THE TOLL BOOTHS SHALL NOT BE CLEANED AND PAINTED. CONTRACTOR SHALL SUBMIT PRODUCT DATA SHEETS AND MANUFACTURER'S WARRANTY FOR PROPOSED COATINGS TO THE ENGINEER FOR APPROVAL. THE PAINTS SHALL BE APPLIED TO THE CLEANED SURFACE AS FOLLOWS:

SURFACE TO BE PAINTED	FINISH / COATING	COLOR
CANOPY FASCIA	400-15.2.6 CLASS 5 APPLIED FINISH COATING	SANDALWOOD T-114
CANOPY SUPPORT COLUMNS	400-15.2.6 CLASS 5 APPLIED FINISH COATING	SANDALWOOD T-114
6" DIA. STEEL BOLLARDS	EPOXY MASTIC / POLYURETHANE	MATCH EXISTING "YELLOW"
CONCRETE ISLANDS INCLUDING CRASH ATTENUATOR BLOCKS, STAIR BLOCKS, AND GATORHEADS	400-15.2.6 CLASS 5 APPLIED FINISH COATING COAT 2- CLEAR SEAL (GATORHEADS, STAIR BLOCKS AND EXTERIOR OF THE STAIRWAY ENTRANCE BLOCKS ONLY) COAT 3- CLEAR SEAL (GATORHEADS, STAIR BLOCKS AND EXTERIOR OF THE STAIRWAY ENTRANCE BLOCKS ONLY)	SANDALWOOD T-114
CONCRETE ISLAND ANTI-SKID	ACRYLIC ANTI-SKID	SANDALWOOD T-114

2. ALL EXTERIOR SURFACES ABOVE THE GROUNDLINE OF THE BUFFER WALL WHICH EXTENDS FROM THE WEST END OF MIDPOINT BRIDGE TO DEL PRADO BOULEVARD ALONG THE SOUTH SIDE OF VETERANS MEMORIAL PARKWAY SHALL BE CLEANED PRIOR TO PAINTING (SEE DETAILS 9 AND 10 ON SHEET NO. 9) EFFLORESCENCE SHALL BE REMOVED WITH A 5:1 WATER AND MURIATIC ACID SOLUTION. PAINT SHALL BE APPLIED TO THE CLEANED SURFACES AS FOLLOWS:

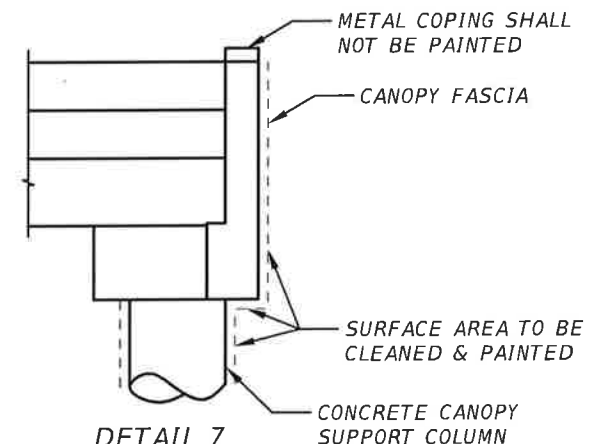
SURFACE TO BE PAINTED	FINISH / COATING	COLOR
BUFFER WALL	400-15.2.6 CLASS 5 APPLIED FINISH COATING	SANDALWOOD T-114

3. THE UNDERSIDE OF THE CONCRETE CANOPY SHALL BE CLEANED. THE CANOPY UNDERSIDE LIGHTING, CAMERAS AND TOLLING EQUIPMENT SHALL BE PROTECTED DURING CLEANING.
4. ALL TRAFFIC RAILING BARRIERS INCLUDING MEDIAN BARRIERS AS SHOWN IN DETAIL 9 ON SHEET NO. 9 SHALL BE CLEANED PRIOR TO RECEIVING THE CLASS 5 FINISH COATING. FOR CLASS 5 FINISH COATING DETAILS SEE SHEETS NO. 2 & NO. 3. CLASS 5 FINISH COATING SHALL BE APPLIED TO THE CLEANED SURFACE AS FOLLOWS:

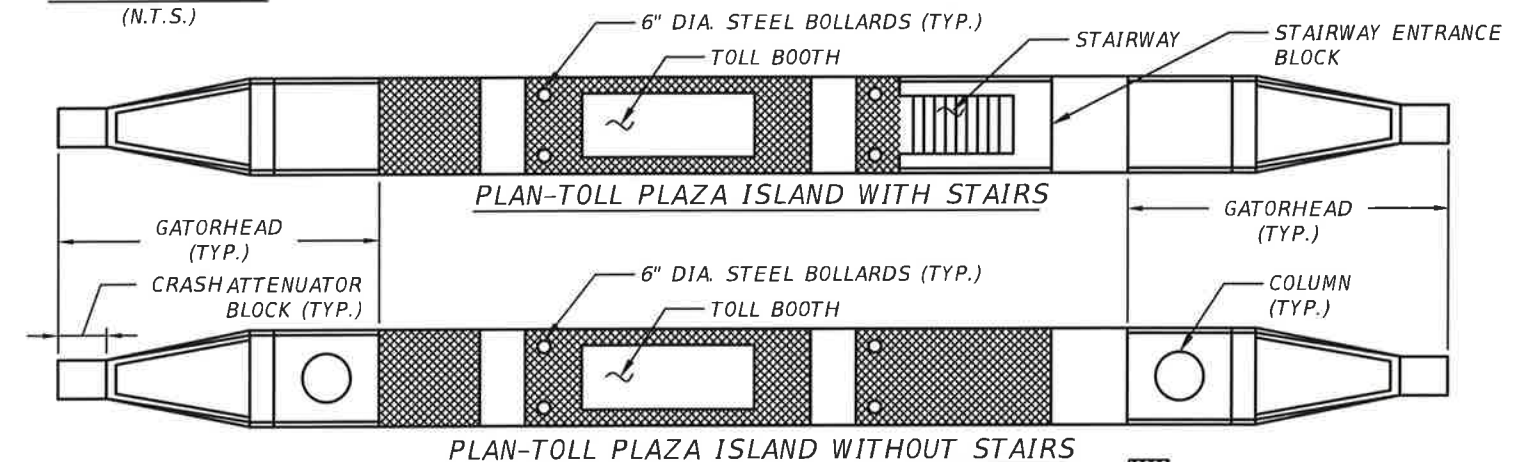
SURFACE FOR CLASS 5 FINISH	FINISH / COATING	COLOR
TRAFFIC RAILING BARRIER,	CLASS 5 FINISH, SMOOTH	SANDALWOOD T-114

5. ALL "WHITE" EXTERIOR TRIM, RAISED STUCCO BANDS AND EXTERIOR CEILINGS OF THE TOLL ADMINISTRATION BUILDING SHALL BE CLEANED PRIOR TO PAINTING. THE "GREEN" EXTERIOR FACE OF THE EXTERIOR DOORS, THE GREEN EXTERIOR TRIM ADJACENT TO THE DOORS AND THE "GREEN" EXTERIOR FRAMES AROUND THE WINDOWS OF THE TOLL ADMINISTRATION BUILDING SHALL BE CLEANED PRIOR TO PAINTING. THE "GREEN" ACCENT TILES OF THE TOLL ADMINISTRATION BUILDING EXTERIOR WALLS SHALL NOT BE PAINTED. PAINTS SHALL BE APPLIED TO THE CLEANED SURFACES AS FOLLOWS:

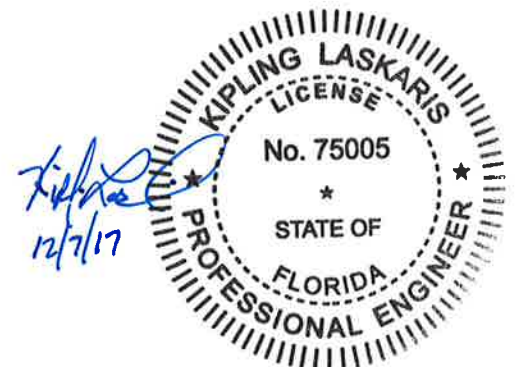
SURFACE TO BE PAINTED	MANUFACTURER FOR PAINT	COLOR
"WHITE": TRIM AND RAISED STUCCO BANDS	COAT 1 - POVIA 010 / 100% ACRYLIC CHALK SEALER / SURFACE CONDITIONER COAT 2 - POVIA 210 / 100% ACRYLIC "SPECIAL" SATIN	MATCH EXISTING "WHITE"
"GREEN": DOORS, TRIM AND FRAMES	POVIA 420 / 100% ACRYLIC INDUSTRIAL GLOSS ENAMEL	MATCH EXISTING "GREEN" ACCENT TILE COLOR OF MIDPOINT TOLL ADMIN. BUILDING.



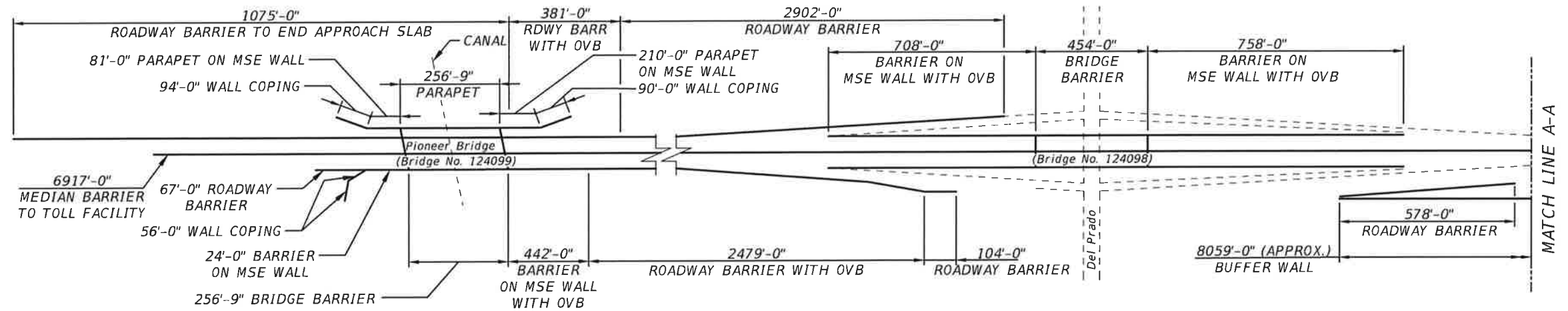
DETAIL 7
CANOPY FASCIA
(N.T.S.)



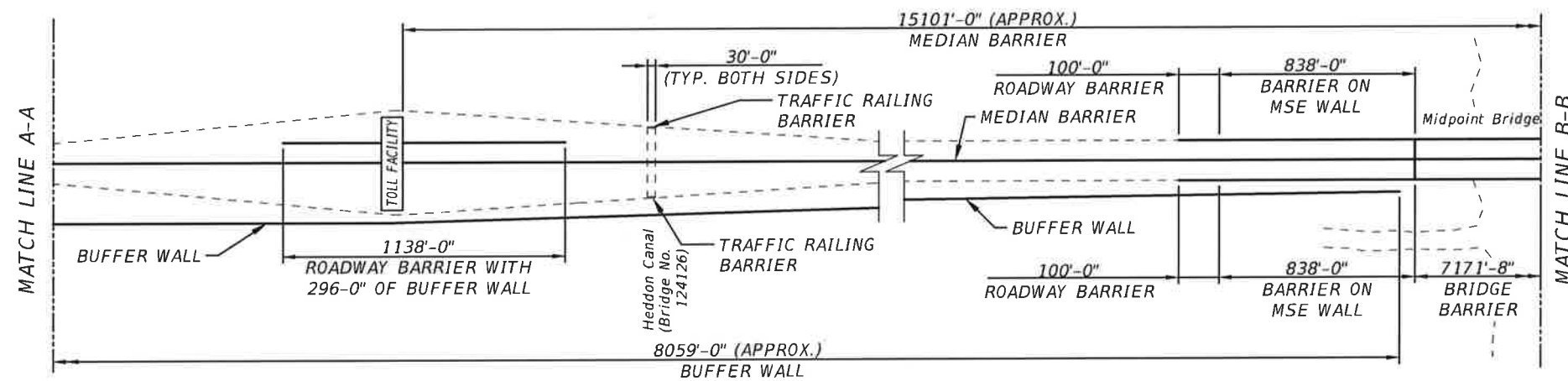
DETAIL 8
(N.T.S.)



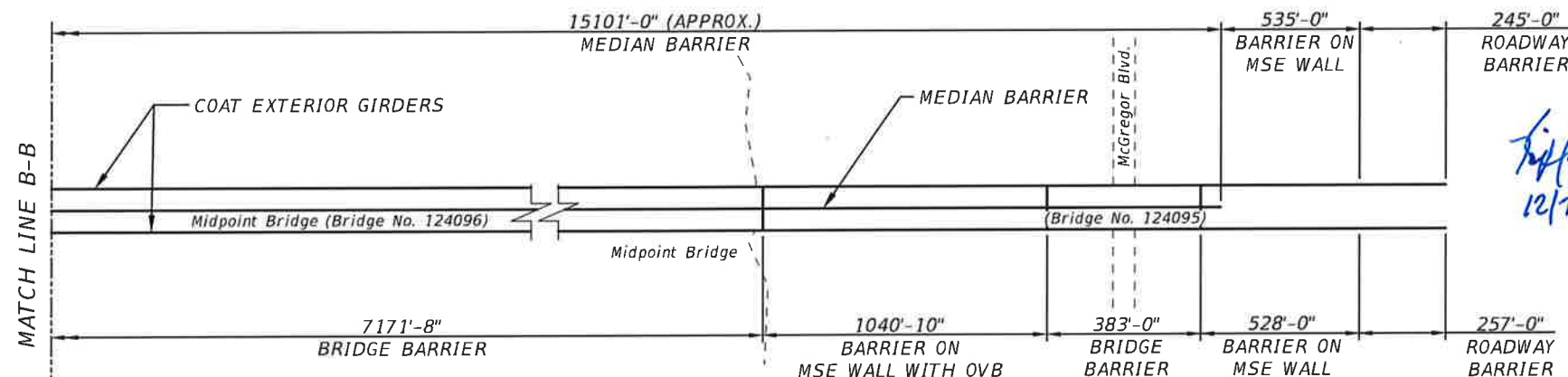
REVISIONS				KCA KISINGER CAMPO & ASSOCIATES 201 N. Franklin Street, Suite 400 Tampa, Florida 33602 Board of Professional Engineers Certificate of Authorization No. 02317 Engineer of Record: Kipling Laskaris, P.E. P.E. No. 75005	LEE COUNTY DEPARTMENT OF TRANSPORTATION SOUTHWEST FLORIDA 1500 Monroe St., Fort Myers, FL 33901		MIDPOINT CORRIDOR TOLL FACILITY (1 OF 2)		SHEET NO. 8
DATE	DESCRIPTION	DATE	DESCRIPTION		PLANS OF PROPOSED	PROJECT NO.			
					PAINT PROJECT	6760			



PLAN - BUFFER WALL AND TRAFFIC RAILING BARRIER LAYOUT
(N.T.S.)

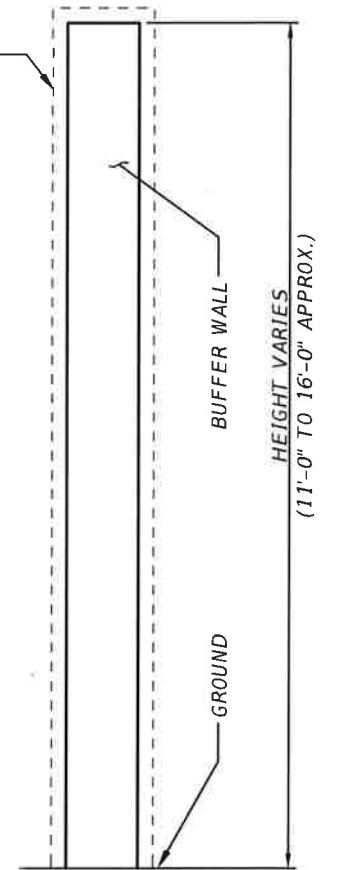


PLAN - BUFFER WALL AND TRAFFIC RAILING BARRIER LAYOUT
(N.T.S.)

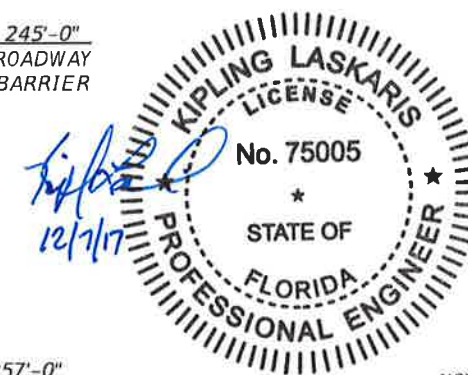


DETAIL 9
PLAN - BUFFER WALL AND TRAFFIC RAILING BARRIER LAYOUT
(N.T.S.)

SURFACE AREA TO BE
CLEANED & PAINTED



DETAIL 10
TYPICAL SECTION THRU BUFFER WALL
(N.T.S.)



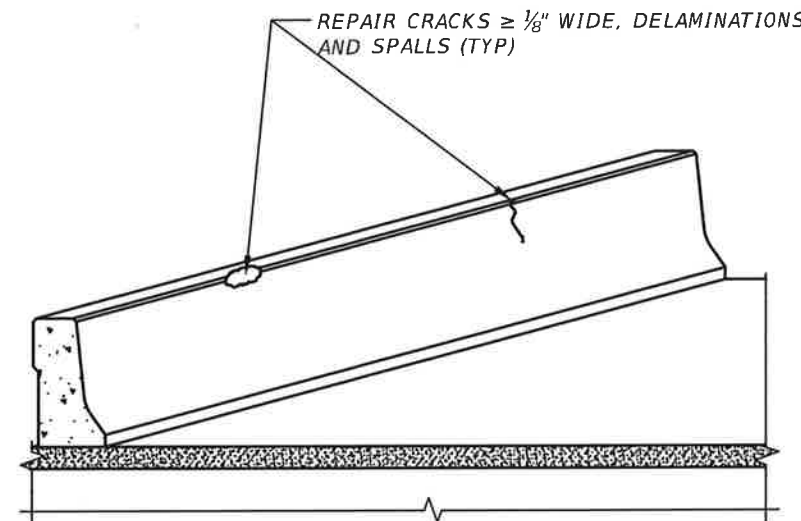
- NOTES:
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LEGEND:
OVB= OPAQUE VISUAL BARRIER

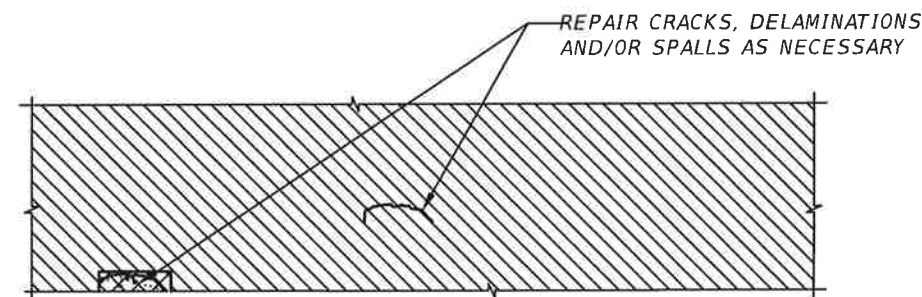
REVISIONS				<div>KISINGER CAMPO & ASSOCIATES 201 N. Franklin Street, Suite 400 Tampa, Florida 33602 Board of Professional Engineers Certificate of Authorization No. 02317 Engineer of Record: Kipling Laskaris, P.E. P.E. No. 75005</div>	LEE COUNTY DEPARTMENT OF TRANSPORTATION SOUTHWEST FLORIDA 1500 Monroe St., Fort Myers, FL 33901		MIDPOINT CORRIDOR TOLL FACILITY (2 OF 2)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		PLANS OF PROPOSED	PROJECT NO.		9
					PAINT PROJECT	6760		

WORK IDENTIFICATION

- ① REPAIR CRACKS $\geq \frac{1}{8}$ " WIDE, SPALLS, AND DELAMINATIONS.



① **BARRIER WALLS**
CONCRETE DEFICIENCIES

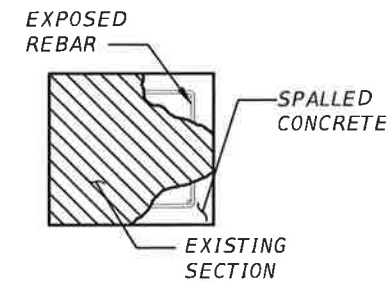


PARTIAL PLAN VIEW

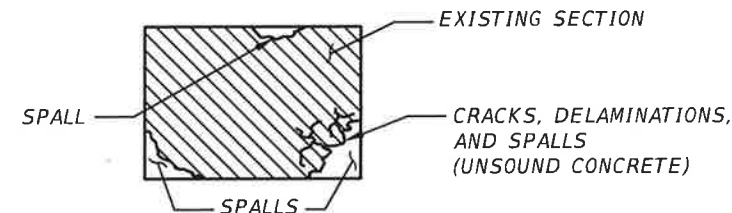
REPAIR CRACKED, DELAMINATED AND/OR SPALLED AREAS (TYP).
COMBINE MULTIPLE, SPALLED AREAS INTO A SINGLE PATCH AS
APPROVED BY THE ENGINEER AT TIME OF REPAIR.

GENERAL NOTE:

DEFICIENCIES SHOWN ARE FOR ILLUSTRATION ONLY, ANY DIMENSIONS ARE APPROXIMATE.
IN THE PRESENCE OF THE ENGINEER, THE CONTRACTOR SHALL CLEARLY OUTLINE ALL
AREAS IN NEED OF REPAIR WITH AN APPROVED PAINT OR MARKER PRIOR TO DEMOLITION.
NO DEMOLITION OF ANY AREA OR MEMBER OF THE BRIDGE SHALL BE PERFORMED UNTIL
THE CONTRACTOR RECEIVES APPROVAL FROM THE ENGINEER.

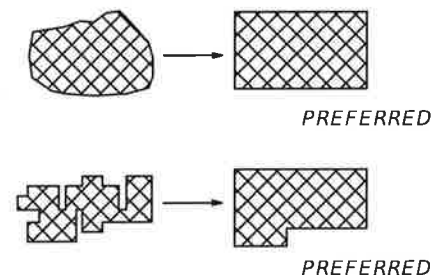


TYPICAL SPALL WITH EXPOSED REBARS



TYPICAL DELAMINATIONS AND SPALLS

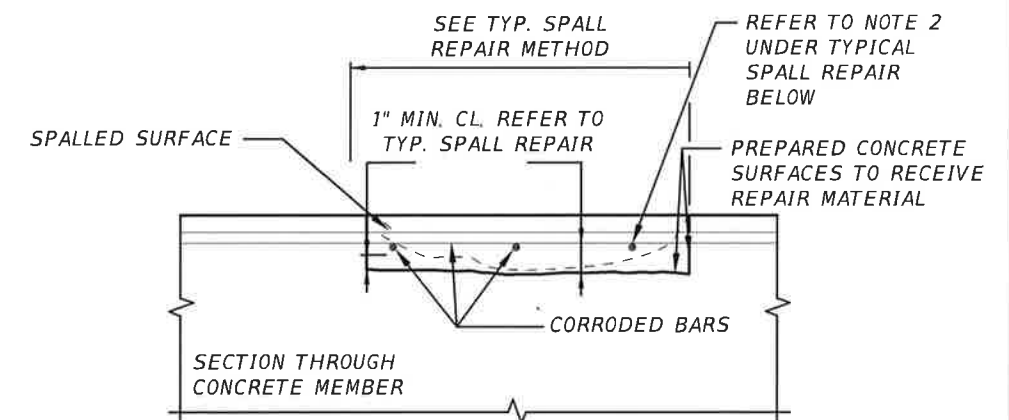
TYPICAL DEFICIENCIES



SIMPLE PATCH CONFIGURATION

AT CORNER LOCATIONS PROVIDE RIGHT ANGLE CUTS.
PATCH CONFIGURATIONS SHALL BE KEPT AS SIMPLE AS
POSSIBLE. INDIVIDUAL REPAIR AREAS WITHIN 2 FEET
SHALL BE JOINED AT THE DIRECTION OF THE ENGINEER.

LAP SPLICE TABLE	
REBAR SIZE	LAP SPLICE LENGTH
#4	1'-0"
#5	1'-3"
#6	1'-6"
#7	2'-1"
#8	2'-9"
#9	3'-5"
#10	4'-4"
#11	5'-4"



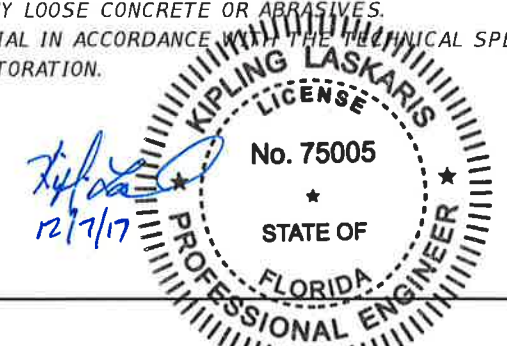
EXPOSING AND UNDERCUTTING REINFORCING STEEL
APPLICABLE TO HORIZONTAL, VERTICAL, AND OVERHEAD LOCATIONS

TYPICAL CRACK REPAIR METHOD:

1. REMOVE UNSOUND CONCRETE FROM CRACK AREA.
2. OBTAIN ENGINEER'S APPROVAL TO CARRY OUT CRACK REPAIR (IN LIEU OF SPALL REPAIR) FOR CASES WHERE ADJACENT CONCRETE IS OTHERWISE SOUND AND CRACKING IS NOT A RESULT OF CORRODING REINFORCEMENT.
3. APPLY CLASS II FINISH AT CRACK REPAIR TO REMOVE FINS OR KNOBS.
4. FOR CRACKS $\frac{1}{8}$ " TO $\frac{1}{4}$ ", USE AN INJECTION GEL OR NON-SAG PASTE WITH 28-DAY COMPRESSIVE STRENGTH OF 10000 PSI.
5. FOR CAP SEAL, USE INJECTION GEL WITH MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 12000 PSI.
6. ENGINEER TO APPROVE CRACK AND CAP SEAL MATERIAL PRIOR TO BEGINNING CONSTRUCTION.

TYPICAL SPALL REPAIR

1. FOR CONCRETE RESTORATION, REMOVE AND REPAIR UNSOUND CONCRETE FROM AREAS TO BE REPAIRED. AREAS WELL ADHERED TO EXISTING STRAND OR REINFORCEMENT SHALL REMAIN.
2. ANY REINFORCEMENT WHICH IS LOOSE SHALL BE SECURED IN PLACE BY TYING TO OTHER SECURED BARS OR BY OTHER APPROVED METHODS. LAP SPLICES SHALL BE INSTALLED IN ACCORDANCE WITH THE TABLE.
3. CLEAN EXPOSED REBARS AND ANY LOOSE CONCRETE OR ABRASIVES.
4. FILL VOIDS WITH REPAIR MATERIAL IN ACCORDANCE WITH THE MECHANICAL SPECIAL PROVISIONS FOR CONCRETE RESTORATION.



REVISIONS				<div>KISINGER CAMPO & ASSOCIATES 201 N. Franklin Street, Suite 400 Tampa, Florida 33602 Board of Professional Engineers Certificate of Authorization No. 02317 Engineer of Record: Kipling Laskaris, P.E. P.E. No. 75005</div>	LEE COUNTY DEPARTMENT OF TRANSPORTATION SOUTHWEST FLORIDA 1500 Monroe St., Fort Myers, FL 33901		<div> CONCRETE RESTORATION DETAILS</div>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					
					PLANS OF PROPOSED	PROJECT NO.		
					PAINT PROJECT	6760		10



KISINGER CAMPO, & ASSOCIATES
201 N. Franklin Street, Suite 400
Tampa, Florida 33602
Board of Professional Engineers
Certificate of Authorization No. 02317
Engineer of Record: Kipling Laskaris, P.E.
P.E. No. 75005

Amilcar Figueroa

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