



CITY OF DORAL
 PUBLIC WORKS DEPARTMENT
 8401 NW 53rd Terrace
 DORAL, FLORIDA 33166
 Ph. (305)593-6740
 Fax (305) 593-6617

WORK AUTHORIZATION FOR CONTRACTUAL SERVICES

TO: H & R Paving, Inc.
 1955 NW 110th Avenue
 Miami, FL 33172
 305-261-3005
 305-592-6079 FAX

DATE: July 17, 2017

WORK ORDER No. 17-02 (ITB #2016-43)

TOTAL AMOUNT: \$322,554.13 (Not to exceed)

PROJECT SCOPE OF WORK: The City of Doral authorizes the firm of H&R Paving, Inc. to proceed with milling, resurfacing, road striping, and sidewalk construction as per the attached roadway plan description. Work is to be performed along the following road segment, NW 82th Ave. between NW 12th St. to East of NW 21th St., as provided by the City's Public Works Department, in accordance with the terms, conditions and specifications of the Contract Documents, (ITB#2016-43) "Milling and Resurfacing of Bituminous Paving, Miscellaneous Stormwater Improvement" Agreement. All road construction and repairs will comply with Miami-Dade County Public Works Manual Part 2 Design and Construction Section 51, Limerock Base, Section 100, Prime and Tack Coats, Section 132, Asphaltic Concrete Binder Course, Section 133, Type S-I Asphaltic Concrete Surface Course.

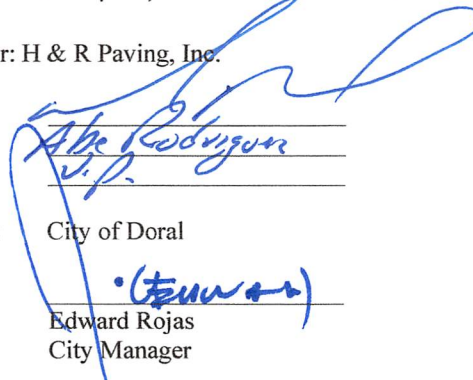
If Contractor fails to execute said Work Order in a timely manner and complete all work within 30 calendar days from the time this work order is executed. The City of Doral will be entitled to disqualify the Proposal, and revoke the award.

The performance of services associated with this Work Order will be executed on a 'Line Item' basis with a not to exceed amount of \$322,544.13 which includes a 10% contingency.


Contractor: H & R Paving, Inc.

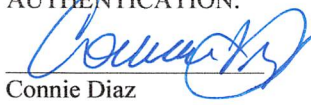
WITNESSES:

SEAL:


BY: 
 NAME: Alex Rodriguez
 TITLE: S.P.

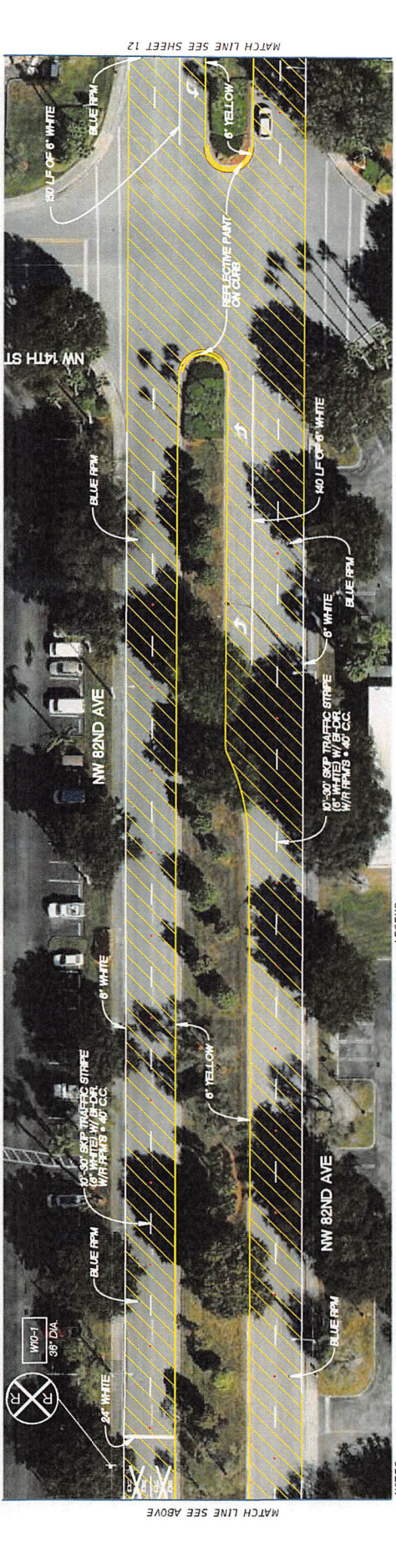
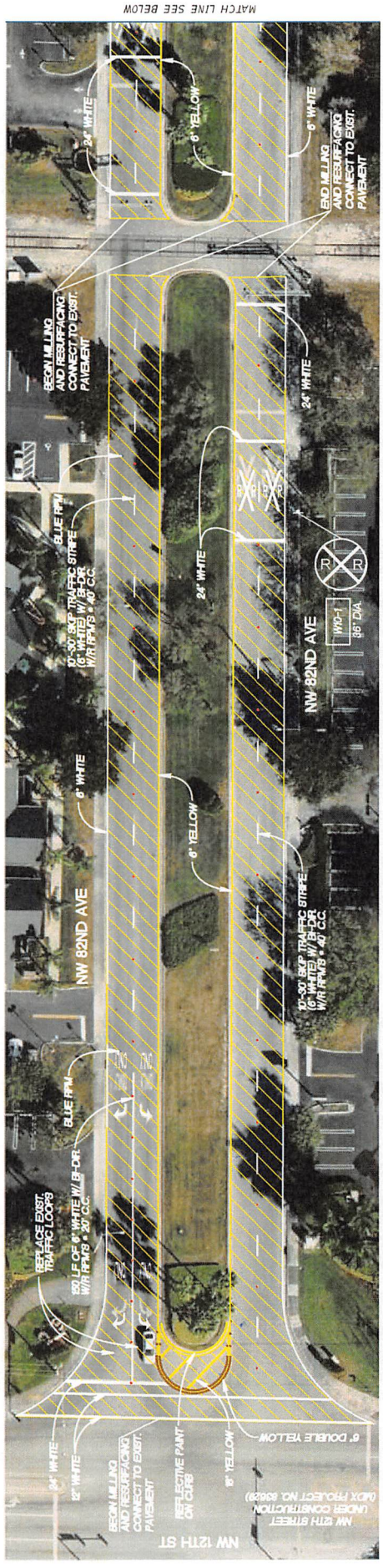
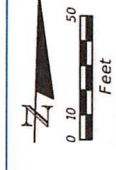
1. 
 2. 

OWNER: City of Doral
 BY: 
 NAME: Edward Rojas
 TITLE: City Manager

AUTHENTICATION:
 BY: 
 NAME: Connie Diaz
 TITLE: City Clerk

APPROVED AS TO FORM AND
 LEGAL SUFFICIENCY FOR THE SOLE USE
 OF THE CITY OF DORAL:

BY: 
 NAME: Weiss, Serota, Helfman,
 Cole & Bierman, PL
 TITLE: City Attorney



NOTES:

1. CONTRACTOR SHALL NOTIFY ADJACENT PROPERTY OWNERS PRIOR TO COMMENCEMENT
2. APPROVED M.O.T. PLANS SHALL BE REQUIRED ANYTIME WORKED IS BEING PERFORMED AND SHALL CONFORM TO THE LATEST EDITION OF THE AASHTO STANDARD SPECIFICATIONS AND THE MUTCD.
3. THE CONTRACTOR SHALL VERIFY ALL PAVEMENT WIDTHS BEFORE COMMENCING WORK.
4. CONTRACTOR SHALL INSTALL PAVEMENT MARKINGS IN ACCORDANCE WITH FDOT INDICES NO. 17346 AND 17352.

LEGEND:

- [Yellow hatched box] DENOTES LIMITS OF 1" MILLING AND RESURFACING WITH SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC B. SP-9-5
- [White hatched box] DENOTES LIMITS OF CSX TO DETERMINE THE LIMITS OF PROPOSED WORK AND OTHER REQUIREMENTS PRIOR TO STARTING WORK ON THIS SEGMENT.

SEGMENT 6

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

Kimley-Horn
 Certificate of Authorization No. 696
 Luis G. Cubas, P.E.
 P.E. License No. 59076 - 400
 Miami, Florida 33137-5228

CITY OF DORAL
 2016 ROADWAY RESURFACING PROJECTS
 NW 82 AVE FROM
 NW 12 ST TO E OF NW 21 ST

SHEET NO. 11

DATE	DESCRIPTION	REVISIONS

Kimley-Horn
 Certificate of Authorization No. 696
 Luis G. Cubas, P.E.
 P.E. License No. 59076
 1221 Brickell Avenue - Suite 400
 Miami, Florida 33131-3228

CITY OF DORAL
 2016 ROADWAY RESURFACING PROJECTS

**NW 82 AVE FROM
 NW 12 ST TO E OF NW 21 ST**

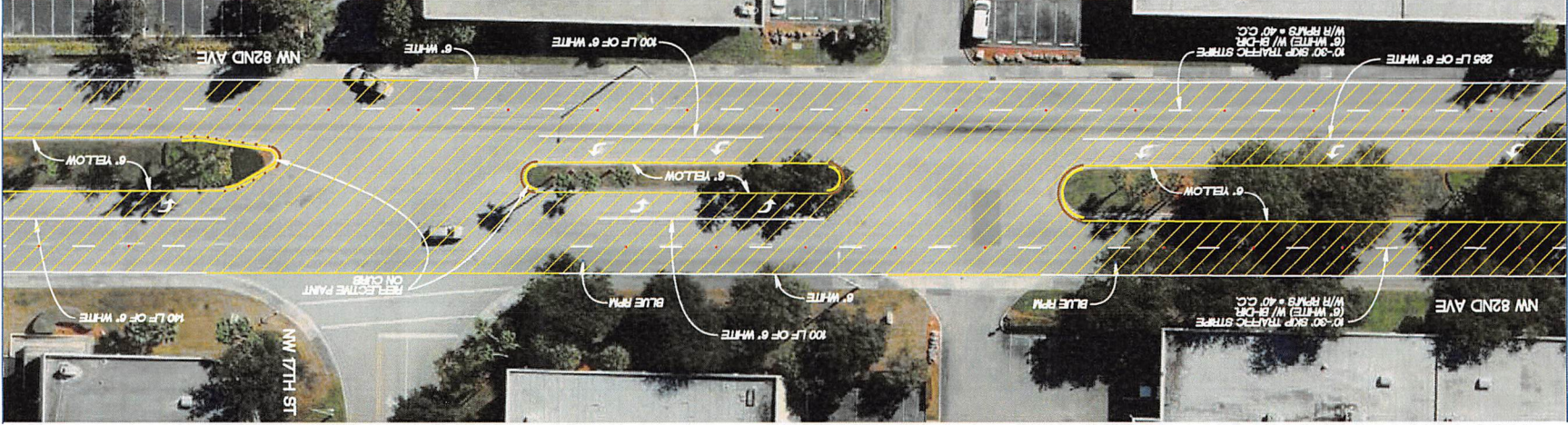
SHEET NO. 12

- NOTES:
1. CONTRACTOR SHALL NOTIFY ADJACENT PROPERTY OWNERS PRIOR TO COMMENCEMENT OF WORK.
 2. APPROVED M.O.T. PLANS SHALL BE REQUIRED. CONTRACTOR SHALL INSTALL PAVEMENT MARKINGS AND REFLECTIVE PAVEMENT MARKINGS IN ACCORDANCE WITH FOOT INDICES NO. 17346 AND 17352.
 3. THE CONTRACTOR SHALL VERIFY ALL PAVEMENT WIDTHS BEFORE COMMENCING WORK.
 4. CONTRACTOR SHALL INSTALL PAVEMENT MARKINGS AND REFLECTIVE PAVEMENT MARKINGS IN ACCORDANCE WITH FOOT INDICES NO. 17346 AND 17352.
- THE MUTCD SHALL CONFORM TO THE LATEST EDITION OF FOOT DESIGN STANDARDS 600 SERIES AND APPLIE WORKED IS BEING PERFORMED AND SHALL CONFORM TO THE LATEST EDITION OF THE MUTCD.



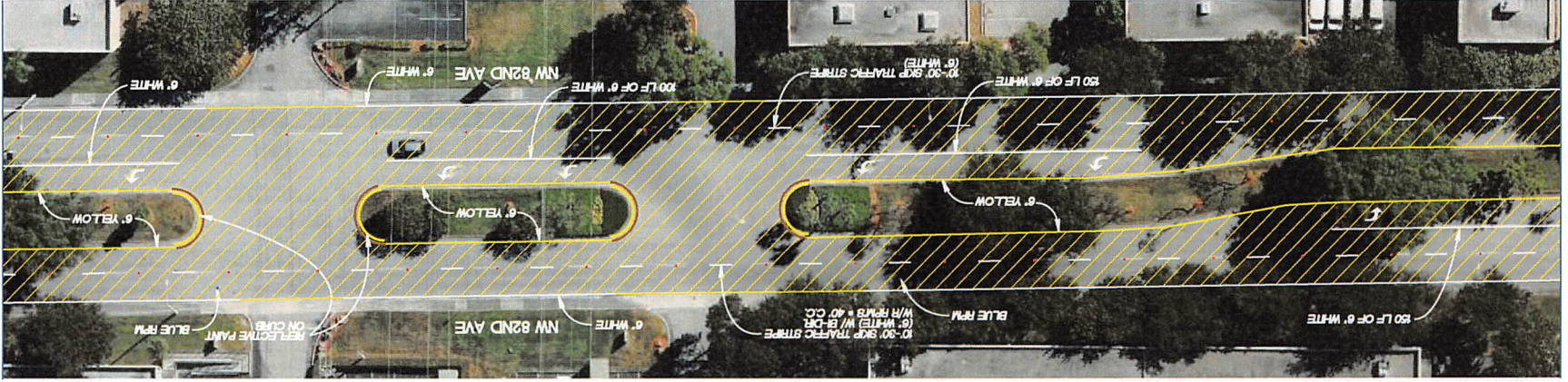
DEMOTES LIMITS OF MILLING AND RESURFACING WITH SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC B, SP-9.5

LEGEND:



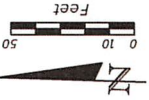
MATCH LINE SEE ABOVE

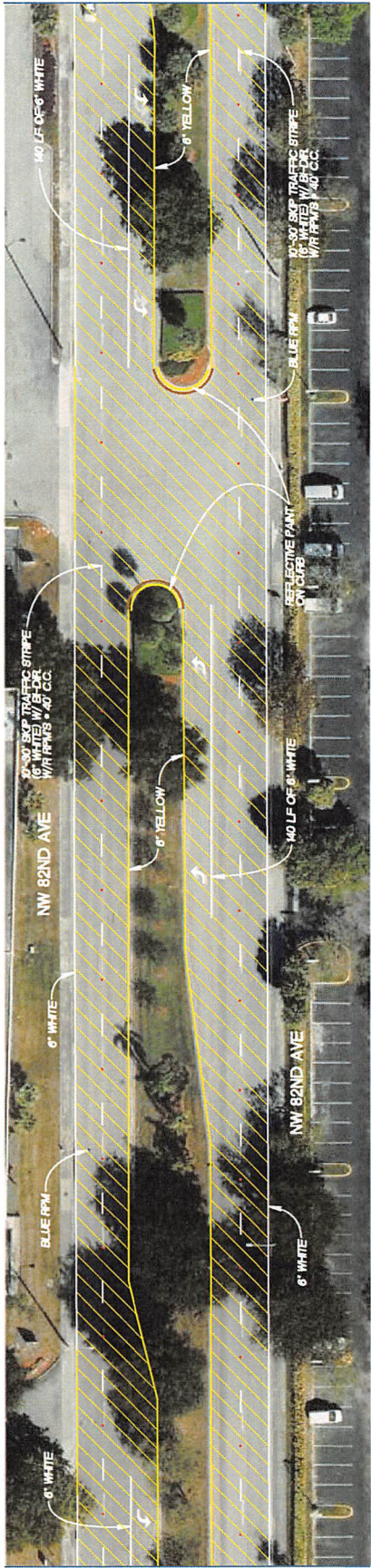
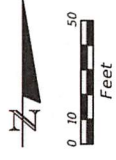
MATCH LINE SEE SHEET 13



MATCH LINE SEE SHEET 11

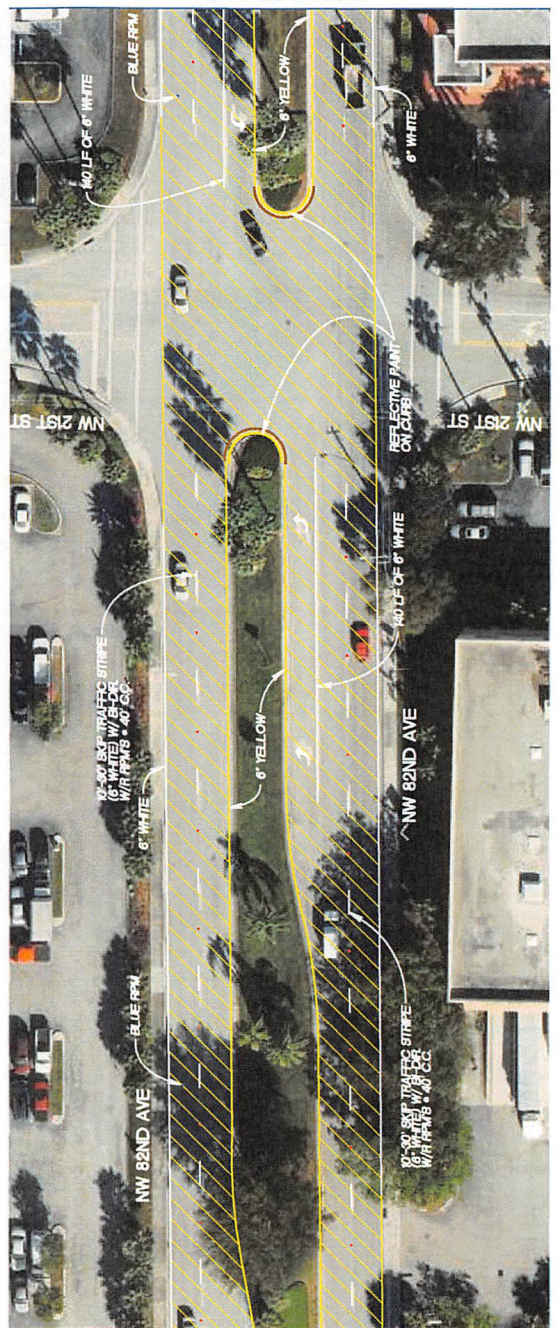
MATCH LINE SEE BELOW





MATCH LINE SEE SHEET 12

MATCH LINE SEE BELOW



MATCH LINE SEE SHEET 14

- NOTES:**
1. CONTRACTOR SHALL NOTIFY ADJACENT PROPERTY OWNERS PRIOR TO COMMENCEMENT.
 2. APPROVED N.O.T. PLANS SHALL BE REQUIRED ANYTIME WORKED IS BEING PERFORMED AND SHALL BE IN ACCORDANCE WITH THE LATEST FDOT DESIGN STANDARDS - 600 SERIES AND THE MITC.
 3. THE EMPLOYER SHALL VERIFY MARKING WORK.
 4. CONTRACTOR SHALL INSTALL PAVEMENT MARKINGS AND REFLECTIVE PAVEMENT MARKINGS NO. 17246 AND 17352.

LEGEND:

DENOTES LIMITS OF 1" MILLING AND RESURFACING WITH SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC B. SP-9.5

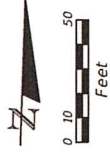
SEGMENT 6
 NW 82 AVE FROM
 NW 12 ST TO E OF NW 21 ST

CITY OF DORAL
 2016 ROADWAY RESURFACING PROJECTS

Kimley-Horn
 Certificate of Authorization No. 696
 Luis G. Cubas, P.E.
 1721 Brickell Avenue - Suite 400
 Miami, Florida 33131-3228

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

SHEET NO. 13



NOTES.

1. CONTRACTOR SHALL NOTIFY ADJACENT PROPERTY OWNERS PRIOR TO COMMENCEMENT OF WORK.
2. APPROVED M.O.T. PLANS SHALL BE REQUIRED FOR ALL WORK.
3. THE CONTRACTOR SHALL VERIFY ALL MARKINGS AND REFLECTIVE PAVERMENT MARKINGS SHALL CONFORM TO THE LATEST EDITION OF FDOT DESIGN STANDARDS 600 SERIES AND THE NOTED.
4. CONTRACTOR SHALL INSTALL PAVERMENT MARKINGS AND REFLECTIVE PAVERMENT MARKINGS NO. 17346 AND 17352.

LEGEND.



DENOTES LIMITS OF MILLING AND RESURFACING SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC B, SP-9.5

SEGMENT 6

CITY OF DORAL
 2016 ROADWAY RESURFACING PROJECTS

Kimley-Horn
 Certificate of Authorization No. 696
 P.E. License No. 59076
 12721 Brickell Avenue - Suite 400
 Miami, Florida 33131-3228

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

SHEET NO. 14

Item	Description	Unit	QTY	Unit Price	Cost
1	Mobilization-Demobilization (Emergency Repairs)(Includes dust control methods)	EA		\$ 1.00	\$ -
2	Maintenance of Traffic (Emergency Repairs)(Includes traffic control, pedestrian and vehicle access, signs, barricades, and flagger, as per FDOT Standards, lighting, and steel plates if required)	EA		\$ 1.00	\$ -
3	Mobilization-Demobilization (Milling and Resurfacing Projects)(Includes dust control methods)	EA	1	\$ 1.00	\$ 1.00
4	Maintenance of Traffic (Milling and Resurfacing Projects)(Includes traffic control, pedestrian and vehicle access, signs, barricades, and flagger, as per FDOT Standards, lighting, and steel plates if required)	EA	1	\$ 450.00	\$ 450.00
5	Mobilization-Demobilization (Pavement Marking and Signage Projects)(Scope of work: existing pavement marking removal, pavement markings, rpms, etc.)	EA	1	\$ 1.00	\$ 1.00
6	Maintenance of Traffic (Pavement Marking Projects)(Includes traffic control, pedestrian and vehicle access, signs, barricades, and flagger, as per FDOT Standards, lighting, and steel plates if required)	EA	1	\$ 1.00	\$ 1.00
7	Mobilization-Demobilization (Concrete Projects)(Includes dust control methods)(Scope of work: removal of existing concrete features, installation of new concrete features)	EA	1	\$ 1.00	\$ 1.00
8	Maintenance of Traffic (Concrete Projects)(Includes traffic control, pedestrian and vehicle access, signs, barricades, and flagger, as per FDOT Standards, lighting, and steel plates if required)	EA	1	\$ 450.00	\$ 450.00
9	Mobilization-Demobilization (Stormwater Improvements Project)(Includes dust control methods)(Scope of work: repairs of existing features, installation of new features)	EA		\$ 1.00	\$ -
10	Maintenance of Traffic (Stormwater Improvements Project)(Includes traffic control, pedestrian and vehicle access, signs, barricades, and flagger, as per FDOT Standards, lighting, and steel plates if required)	EA		\$ 450.00	\$ -
11	Remove existing Sidewalk (4" thick, 6" thick at driveways)(Includes removal of handicap ramps, meter/valve box adjustment, and disposal of materials)	SF	2,665	\$ 2.00	\$ 5,330.00
12	Construct new sidewalk (4" thick, 6" thick at driveway)(Includes cut and fill, sub-grade prep., ADA compliant handicap ramps, etc.)	SF	2,665	\$ 4.50	\$ 11,992.50
13	Curb Ramp Detectable Warning Surface (to install on ADA compliant curb ramp)	SF		\$ 25.00	\$ -
14	Root pruning under existing sidewalk (Perpendicular length of sidewalk)(Includes disposal of material)	LF		\$ 1.00	\$ -
15	Remove Existing Curb & Gutter, Valley Gutter, Traffic Separator (Includes Disposal of Material)	LF	325	\$ 5.00	\$ 1,625.00
16	Construct Concrete Traffic Separator	SF		\$ 10.00	\$ -
17	Construct New Type A Concrete Curb (as per FDOT Standards)(Includes sub-grade material and prep.)	LF		\$ 10.00	\$ -
18	Construct New Type B Concrete Curb (as per FDOT Standards)(Includes sub-grade material and prep.)	LF		\$ 10.00	\$ -
19	Construct New Type D Concrete Curb (as per FDOT Standards)(Includes sub-grade material and prep.)	LF		\$ 25.00	\$ -
20	Construct New Type E Median Curb (as per FDOT Standards)(Includes sub-grade material and prep.)	LF		\$ 25.00	\$ -
21	Construct New Type F Curb & Gutter (as per FDOT Standards)(Includes sub-grade material and prep.)	LF	189	\$ 30.00	\$ 5,670.00
22	Construct New Drop Curb (as per FDOT Standards)(Includes sub-grade material and prep.)	LF	136	\$ 10.00	\$ 1,360.00
23	Grading of Grass Swale Area	SF		\$ 0.50	\$ -
24	Removal of Existing Drainage Structure (Includes removal and disposal of material)	EA		\$ 500.00	\$ -
25	Installation of Type P Drainage Structure	EA		\$ 3,500.00	\$ -
26	Furnish and Install Exfiltration Trench - 18" Perforated HDPE Pipe (4' wide trench)(Includes asphalt removal, excavation, backfill, sub-grade backfill material, lime rock base, disposal of excess, and trench temporary restoration)	LF		\$ 100.00	\$ -
27	Furnish and Install Exfiltration Trench - 24" Perforated HDPE Pipe (4' wide trench)(Includes asphalt removal, excavation, backfill, sub-grade backfill material, lime rock base, disposal of excess, and trench temporary restoration)	LF		\$ 110.00	\$ -
28	Furnish and Install 15" Solid-Wall HDPE Pipe (Includes asphalt removal, excavation, backfill, sub-grade backfill material, lime rock base, disposal of excess, and trench temporary restoration)			\$ 50.00	\$ -
29	Furnish and Install 18" Solid-Wall HDPE Pipe (Includes asphalt removal, excavation, backfill, sub-grade backfill material, lime rock base, disposal of excess, and trench temporary restoration)	LF		\$ 50.00	\$ -
30	Furnish and Install 24" Solid-Wall HDPE Pipe (Includes asphalt removal, excavation, backfill, sub-grade backfill material, lime rock base, disposal of excess, and trench temporary restoration)	LF		\$ 50.00	\$ -
31	Core Drill, Tie & Seal to Existing Drainage Structure	EA		\$ 200.00	\$ -
32	Furnish and Install Pollution Baffles / Skimmer	EA		\$ 200.00	\$ -

33	Furnish and Install Sediment Barrier (Silt Fence)	LF		\$ 1.00	\$ -
34	Adjust Manhole	EA	15	\$ 1.00	\$ 15.00
35	Adjust Valve Boxes	EA	16	\$ 1.00	\$ 16.00
36	Seal Existing Pipe Connections	EA		\$ 50.00	\$ -
37	Flowable Fill	CY		\$ 150.00	\$ -
38	Regular Excavation	CY		\$ 1.00	\$ -
39	Embankment	CY		\$ 1.00	\$ -
40	Type B Stabilization	CY		\$ 2.00	\$ -
41	Rework Limerock Base, 3"	SY		\$ 2.00	\$ -
42	Optional Base, Base Group 6	SY		\$ 18.00	\$ -
43	Optional Base, Base Group 11	CY		\$ 20.00	\$ -
44	Coral Rock Limerock LBR 40	TN		\$ 20.00	\$ -
45	Milling Existing Asphalt Pavement, 1" Ave. Depth	SY	28,793	\$ 2.00	\$ 57,586.00
46	Milling Existing Asphalt Pavement, 2" Ave. Depth	SY		\$ 0.50	\$ -
47	Asphalt Leveling Course	TN		\$ 80.00	\$ -
48	Superpave Asphaltic Concrete, Traffic B, SP-9.5	TN	1,584	\$ 110.50	\$ 174,998.85
49	2" S-3 Bituminous Overlay	TN		\$ 100.00	\$ -
50	Exploratory Excavation: JD310 or Equal w/Operator	HR		\$ 40.00	\$ -
51	Exploratory Excavation: JD310 or Equal w/Operator	CY		\$ 1.00	\$ -
52	Exploratory Excavation: 2-man Labor Crew	HR		\$ 40.00	\$ -
53	Exploratory Excavation: 2-man Labor Crew	CY		\$ 1.00	\$ -
54	Furnish and Install Sod	SY		\$ 5.00	\$ -
55	Tree Relocation Specimen (Tree Trunk diameter < 12 in., DBH)	EA		\$ 850.00	\$ -
56	Tree Relocation Specimen (Tree Trunk diameter > 12 in., DBH)	EA		\$ 1,500.00	\$ -
57	Existing Thermoplastic Striping/Markings Removal	SF		\$ 2.40	\$ -
58	Retro-reflective Pavement Markers (yellow)	EA	616	\$ 3.60	\$ 2,217.60
59	Retro-reflective Pavement Markers (white)	EA	188	\$ 3.60	\$ 676.80
60	Retro-reflective Pavement Markers (blue)	EA	15	\$ 3.60	\$ 54.00
61	Painted Pavement Marking, Standard, White, Solid, 6"	EA	8,290	\$ 0.24	\$ 1,989.60
62	Painted Pavement Marking, Standard, White, Solid, 8"	EA		\$ 0.96	\$ -
63	Painted Pavement Marking, Standard, White, Solid, 12"	LF	309	\$ 0.96	\$ 296.64
64	Painted Pavement Marking, Standard, White, Solid, 18"	LF		\$ 1.20	\$ -
65	Painted Pavement Marking, Standard, White, Solid, 24"	LF	198	\$ 1.20	\$ 237.60
66	Painted Pavement Marking, Standard, White, Skip, 6" (10'-30')	LF	1,850	\$ 0.24	\$ 444.00
67	Painted Pavement Marking, Standard, White, Dotted/Guideline/6-10 GAP, Ext 6"	LF		\$ 0.24	\$ -
68	Painted Pavement Markings, Standard, White, Message	EA	8	\$ 36.00	\$ 288.00
69	Painted Pavement Markings "SHARROW" and Bicycle Pavement Markings	EA		\$ 360.00	\$ -
70	Painted Pavement Markings, Standard, White, Arrow	EA	30	\$ 24.00	\$ 720.00
71	Painted Pavement Marking, Standard, Yellow, Solid, 6"	LF	7,385	\$ 0.24	\$ 1,772.40
72	Painted Pavement Marking, Standard, Yellow, Solid, 18"	LF	53	\$ 0.96	\$ 50.88
73	Painted Pavement Marking, Standard, Yellow, Skip, 6" (10'-30')	LF		\$ 0.24	\$ -
74	Painted Pavement Marking, Standard, Yellow, Skip, 6" (2'-4')	LF		\$ 1.20	\$ -
75	Thermoplastic, Standard, White, Solid, 6"	LF	8,290	\$ 0.84	\$ 6,963.60
76	Thermoplastic, Standard, White, Solid, 8"	LF		\$ 1.20	\$ -
77	Thermoplastic, Standard, White, Solid, 12"	LF	309	\$ 2.04	\$ 630.36
78	Thermoplastic, Standard, White, Solid, 18"	LF		\$ 3.60	\$ -
79	Thermoplastic, Standard, White, Solid, 24"	LF	198	\$ 3.60	\$ 712.80
80	Thermoplastic, Standard, White, Skip, 6" (10'-30')	LF	1,850	\$ 0.84	\$ 1,554.00
81	Thermoplastic, Standard, White, Dotted/Guideline/6-10 GAP, Ext 6"	LF		\$ 1.14	\$ -
82	Thermoplastic, Standard, White, Message	EA	8	\$ 144.00	\$ 1,152.00
83	Thermoplastic "SHARROW" and Bicycle Pavement Markings	EA		\$ 360.00	\$ -
84	Thermoplastic, Standard, White, Arrow	EA	30	\$ 72.00	\$ 2,160.00
85	Thermoplastic, Standard, Yellow, Solid, 6"	LF	7,385	\$ 0.84	\$ 6,203.40
86	Thermoplastic, Standard, Yellow, Solid, 18"	LF	53	\$ 3.60	\$ 190.80
87	Thermoplastic, Standard, Yellow, Skip, 6" (10'-30')	LF		\$ 0.84	\$ -
88	Thermoplastic, Standard, Yellow, Skip, 6" (2'-4')	LF		\$ 1.14	\$ -
89	Reflective Paint (Island Nose) Yellow	SF	458	\$ 2.40	\$ 1,099.20
90	Patterned Pavement, Vehicular Areas - Green Bike Lane (FDOT Item No. 0523-1-3)	SY		\$ 30.25	\$ -
91	Single Sign Post, F&I	EA	2	\$ 360.00	\$ 720.00
92	Replace Existing Traffic Loop	EA	2	\$ 1,800.00	\$ 3,600.00
93	Off-Duty Police Officer	HR		\$ 60.00	\$ -

Subtotal	\$ 293,231.03
10% Contingency	\$ 29,323.10
Total	\$ 322,554.13