



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, 2018

WORK ORDER No. 18-03 (ITB #2016-43)

TOTAL AMOUNT: \$362,674.30 (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 segments, NW 27th St. from NW 82nd Ave. to NW 87th Ave., NW 27th St. from NW 87th Ave. to NW 82nd Ave., NW 28th Terr. from NW 102nd Ave. to NW 97th Ave., NW 104th Ave. from NW 74th St. to NW 70th St., NW 104th Ave. from NW 74th St. to NW 70th St., NW 105th Ave. from NW 31st Terr. to NW 33rd St., and NW 98th Ave. from NW 28th Terr. to NW 25th Terr., 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 \$362,674.30, which includes a 10% contingency.

Contractor: H & R Paving, Inc

WITNESSES: SEAL:

BY: [Signature]
 NAME: Abe Rodrygin
 TITLE: _____

1. [Signature]
 2. [Signature]

OWNER: City of Doral
 BY: [Signature]
 NAME: Edward Rojas
 TITLE: City Manager

AUTHENTICATION:
 BY: [Signature]
 NAME: Connie Diaz
 TITLE: City Clerk

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

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

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	3	\$ 1.00	\$ 3.00
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	3	\$ 450.00	\$ 1,350.00
5	Mobilization-Demobilization (Pavement Marking and Signage Projects)(Scope of work: existing pavement marking removal, pavement markings, rpms, etc.)	EA	3	\$ 1.00	\$ 3.00
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	3	\$ 1.00	\$ 3.00
7	Mobilization-Demobilization (Concrete Projects)(Includes dust control methods)(Scope of work: removal of existing concrete features, installation of new concrete features)	EA		\$ 1.00	\$ -
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		\$ 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		\$ 2.00	\$ -
12	Construct new sidewalk (4" thick, 6" thick at driveway)(Includes cut and fill, sub-grade prep., ADA compliant handicap ramps, etc.)	SF		\$ 4.50	\$ -
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		\$ 5.00	\$ -
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		\$ 30.00	\$ -
22	Construct New Drop Curb (as per FDOT Standards)(Includes sub-grade material and prep.)	LF		\$ 10.00	\$ -
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	41	\$	1.00	\$	41.00
35	Adjust Valve Boxes	EA	28	\$	1.00	\$	28.00
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	31,865	\$	2.00	\$	63,730.00
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	1,747	\$	110.50	\$	193,043.50
49	2" 5-3 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	155	\$	3.60	\$	558.00
59	Retro-reflective Pavement Markers (white)	EA	159	\$	3.60	\$	572.40
60	Retro-reflective Pavement Markers (blue)	EA	18	\$	3.60	\$	64.80
61	Painted Pavement Marking, Standard, White, Solid, 6"	EA	8,529	\$	0.24	\$	2,046.96
62	Painted Pavement Marking, Standard, White, Solid, 8"	EA		\$	0.96	\$	-
63	Painted Pavement Marking, Standard, White, Solid, 12"	LF	318	\$	0.96	\$	305.28
64	Painted Pavement Marking, Standard, White, Solid, 18"	LF		\$	1.20	\$	-
65	Painted Pavement Marking, Standard, White, Solid, 24"	LF	326	\$	1.20	\$	391.20
66	Painted Pavement Marking, Standard, White, Skip, 6" (10'-30')	LF	1,230	\$	0.24	\$	295.20
67	Painted Pavement Marking, Standard, White, Dotted/Guideline/6-10 GAP, Ext 6"	LF	162	\$	0.24	\$	38.88
68	Painted Pavement Markings, Standard, White, Message	EA		\$	36.00	\$	-
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	10,540	\$	0.24	\$	2,529.60
72	Painted Pavement Marking, Standard, Yellow, Solid, 18"	LF	316	\$	0.96	\$	303.36
73	Painted Pavement Marking, Standard, Yellow, Skip, 6" (10'-30')	LF		\$	0.24	\$	-
74	Painted Pavement Marking, Standard, Yellow, Skip, 6" (2'-4')	LF	258	\$	1.20	\$	309.60
75	Thermoplastic, Standard, White, Solid, 6"	LF	8,529	\$	0.84	\$	7,164.36
76	Thermoplastic, Standard, White, Solid, 8"	LF		\$	1.20	\$	-
77	Thermoplastic, Standard, White, Solid, 12"	LF	318	\$	2.04	\$	648.72
78	Thermoplastic, Standard, White, Solid, 18"	LF		\$	3.60	\$	-
79	Thermoplastic, Standard, White, Solid, 24"	LF	326	\$	3.60	\$	1,173.60
80	Thermoplastic, Standard, White, Skip, 6" (10'-30')	LF	1,230	\$	0.84	\$	1,033.20
81	Thermoplastic, Standard, White, Dotted/Guideline/6-10 GAP, Ext 6"	LF	162	\$	1.14	\$	184.68
82	Thermoplastic, Standard, White, Message	EA		\$	144.00	\$	-
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	10,540	\$	0.84	\$	8,853.60
86	Thermoplastic, Standard, Yellow, Solid, 18"	LF	316	\$	3.60	\$	1,137.60
87	Thermoplastic, Standard, Yellow, Skip, 6" (10'-30')	LF		\$	0.84	\$	-
88	Thermoplastic, Standard, Yellow, Skip, 6" (2'-4')	LF	258	\$	1.14	\$	294.12
89	Reflective Paint (Island Nose) Yellow	SF		\$	2.40	\$	-
90	Patterned Pavement, Vehicular Areas - Green Bike Lane (FDOT Item No. 0523-1-3)	SY	989	\$	30.25	\$	29,917.25
91	Single Sign Post, F&I	EA		\$	360.00	\$	-
92	Replace Existing Traffic Loop	EA	6	\$	1,800.00	\$	10,800.00
93	Off-Duty Police Officer	HR		\$	60.00	\$	-

Subtotal	\$	329,703.91
10% Contingency	\$	32,970.39
Total	\$	362,674.30



JUAN CARLOS BERMUDEZ, MAYOR
 ANA MARIA RODRIGUEZ, VICE MAYOR
 CLAUDIA MARIACA, COUNCILWOMAN
 PETE CABRERA, COUNCILMAN
 CHRISTI FRAGA, COUNCILWOMAN

CITY OF DORAL
CONTRACT PLANS

ROADWAY MILLING AND RESURFACING PROJECTS

SEGMENTS 4 & 5



SEGMENTS 1 & 2

FINAL PLANS

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	GENERAL NOTES
3	TABULATION OF QUANTITIES
4-5	SEGMENTS 1 & 2 NW 27TH STREET FROM NW 82ND AVENUE TO NW 87TH AVENUE NW 27TH STREET FROM NW 87TH AVENUE TO NW 82ND AVENUE
6	SEGMENT 3 NW 28TH TERRACE FROM NW 102ND AVENUE TO NW 97TH AVENUE
7	SEGMENTS 4 & 5 NW 104TH AVENUE FROM NW 74TH STREET TO NW 70TH STREET NW 104TH AVENUE FROM NW 74TH STREET TO NW 70TH STREET
8	SEGMENT 6 NW 105TH AVENUE FROM NW 31ST TERRACE TO NW 33RD STREET
9	SEGMENT 7 NW 98TH AVENUE FROM NW 28TH TERRACE TO NW 25TH TERRACE



PROJECT LOCATION



PLANS PREPARED BY:



R.J. Behar & Company, Inc.
 Engineers • Planners
 6861 S.W. 196 AVENUE, SUITE 302
 PEMBROKE PINES, FL 33332
 VENDOR IDENTIFICATION #65 095 4070
 CERTIFICATE OF AUTHORIZATION NO. 00008365

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

R.J. BEHAR #18006

THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH AND ARE GOVERNED BY THE CITY OF DORAL STANDARDS, MANATEE COUNTY PUBLIC WORKS DEPARTMENT STANDARDS AND SPECIFICATIONS PART 1, 2 AND 3, THE MANUAL OF MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS, THE FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS DATED FY 2017-2018 AND THE SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED FY 2017-2018, AS AMENDED BY THE CONTRACT DOCUMENTS.

ROADWAY PLANS
 ENGINEER OF RECORD: HANS MURZEL, P.E.
 P.E. NO. 67262

GENERAL NOTES

1. ALL EXISTING DRAINAGE STRUCTURES WITHIN THE CONSTRUCTION LIMITS SHALL REMAIN.

2. UTILITY OWNERS AND CONTACT INFORMATION:

UTILITY OWNERS PHONE NO.

COMCAST CABLE 954-447-8405

FLORIDA CITY GAS 305-835-3550

FLORIDA COUNTY PUBLIC WORKS AND TRAFFIC 305-412-0891 EXT. 201

FLORIDA POWER & LIGHT 954-422-6618

FIBERNET LLC 800-868-9554

FPL FIBERNET LLC 305-552-2931

HOTWIRE COMMUNICATIONS 954-417-3606

MIAMI DADE ENTERPRISE TECHNOLOGY SERVICES DEPARTMENT 786-256-1554

LEVEL 3 COMMUNICATIONS LLC 877-366-8344 EXT. 2

MIAMI DADE WATER SEWER 786-268-5320

A17/DISTRIBUTION 305-222-8745

SYSTEMS INTEGRATION & MAINTENANCE INC 305-624-1113

3. THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES IN THE AREA OF WORK AT LEAST 48 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION.

4. ALL EXISTING FENCES ARE TO REMAIN UNLESS OTHERWISE NOTED. ANY FENCES, DAMAGED BY THE CONTRACTOR AT ANY TIME DURING CONSTRUCTION MUST BE REPLACED OR REPAIRED TO ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE CITY.

5. ALL EXISTING SIGNS ARE TO REMAIN UNLESS OTHERWISE NOTED. ANY SIGNS, DAMAGED BY THE CONTRACTOR AT ANY TIME DURING CONSTRUCTION MUST BE REPLACED OR REPAIRED TO ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE CITY.

6. ALL TREES ARE TO REMAIN UNLESS OTHERWISE NOTED. CONTRACTOR IS TO USE CAUTION NOT TO DAMAGE ANY TREES OR PALMS, WITHIN CONSTRUCTION LIMITS. ANY TREE DAMAGED DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE CITY.

7. IN AREAS WHERE NEW ASPHALT PAVEMENT IS MATCHING EXISTING PAVEMENT, CONTRACTOR SHALL SAWCUT EXISTING PAVEMENT AND PROVIDE A SMOOTH TRANSITION (INCLUDING ALL DRIVEWAYS).

8. THE CONTRACTOR SHALL INSTALL BLUE ROPS IN THE CENTER OF THE TRAVEL LANE IN FRONT OF FIRE HYDRANTS. IF IT IS DISCOVERED DURING THE MILLING OPERATION THAT THE EXISTING PAVEMENT IS LESS THAN 1", THE CONTRACTOR SHALL BRING THIS CONDITION TO THE CITY'S PROJECT INSPECTOR IMMEDIATELY.

9. CONTRACTOR SHALL MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES AS PER FOOT INDEX 600'S.

10. CONTRACTOR SHALL NOTIFY ALL ADJACENT PROPERTY OWNERS AND BUSINESSES AT LEAST 72 HOURS PRIOR TO COMMENCEMENT OF WORK.

11. ALL EXISTING UTILITIES ARE TO REMAIN UNLESS OTHERWISE NOTED.

12. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES PRIOR TO STARTING WORK.

13. CONTRACTOR SHALL BE ADVISED THAT EXISTING UNDERGROUND AND ABOVEGROUND UTILITIES ARE NOT SHOWN ON PLANS.

14. THE CONTRACTOR IS ADVISED THAT THERE ARE EXISTING OVERHEAD UTILITIES WITHIN THE PROJECT LIMITS WHICH MAY RESULT IN A LIMITED VERTICAL CLEARANCE FOR THE CONTRACTOR'S EQUIPMENT AND OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY ADJUSTMENTS TO HIS OPERATIONS IN ORDER TO CONSTRUCT THE PROJECT WITHIN CLEARANCE LIMITATIONS.

15. THE CONTRACTOR IS ADVISED THAT THERE ARE EXISTING OVERHEAD UTILITIES WITHIN THE PROJECT LIMITS WHICH MAY RESULT IN A LIMITED VERTICAL CLEARANCE FOR THE CONTRACTOR'S EQUIPMENT AND OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY ADJUSTMENTS TO HIS OPERATIONS IN ORDER TO CONSTRUCT THE PROJECT WITHIN CLEARANCE LIMITATIONS.

EROSION AND SEDIMENTATION CONTROL NOTES:

1. TEMPORARY SEDIMENTATION CONTROL DEVICES, SUCH AS INLET PROTECTION SYSTEMS AND SEDIMENT BARRIERS SHALL BE INSTALLED AROUND INLETS BEFORE COMMENCEMENT OF WORK AND SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT. SEDIMENT BARRIERS SHALL BE INSTALLED AT ALL CONSTRUCTION BOUNDARIES WHERE STORMWATER RUNOFF HAS THE POTENTIAL TO REACH SURFACE WATERS OR OFFSITE STORMWATER COLLECTION FACILITIES.

2. THE CONTRACTOR SHALL PRACTICE GOOD HOUSEKEEPING BY INSTANTIING A CLEAN ORDERLY, CONSTRUCTION SITE.

3. DUST RESULTING FROM PROPOSED MILLING ACTIVITIES SHALL BE PREVENTED FROM INTRUSION INTO THE STORM WATER CONVEYANCE SYSTEM. APPROPRIATE DUST CONTROL TECHNIQUES SUCH AS STREET SWEEPING AND/OR TRUCK WATERING MUST BE RETAINED ON SITE OR PERFORMED AT THE END OF EACH WORK DAY. THE USE OF CALCIUM CHLORIDE, OILS OR OTHER CHEMICAL DUST CONTROL AGENT SHALL BE AVOIDED.

4. ALL COSTS FOR EROSION AND SEDIMENTATION CONTRACT SHALL BE INCLUDED IN THE ASSOCIATED PAY ITEM FOR THE WORK BEING DONE.

TRAFFIC CONTROL NOTES:

1. CONTRACTOR SHALL NOTIFY ADJACENT PROPERTY OWNERS AND BUSINESSES 72 HOURS PRIOR TO COMMENCEMENT OF WORK.

2. PROPERTY ACCESS MUST BE MAINTAINED AT ALL TIMES.

3. MATERIAL ARE AVAILABLE FOR THE CONTRACTOR TO CREATE A WORK ZONE UNTIL ALL LABOR AND TRAFFIC ARE AVAILABLE.

4. LANE CLOSURES SHALL OCCUR ONLY DURING NON-PEAK HOURS ON NON-EVENT DAYS/NIGHTS. NO INTERRUPTION TO TRAFFIC IS PERMITTED FROM MONDAY-FRIDAY 7-9 A.M. AND 4-6 P.M. OR ON WEEKENDS AND HOLIDAYS.

5. APPROVED M.O.T PLANS SHALL BE REQUIRED ANYTIME WORK IS BEING PERFORMED AND SHALL CONFORM TO THE LATEST EDITION OF FOOT DESIGN STANDARDS 600 SERIES AND THE MUTCD.

6. REMOVAL, MAINTENANCE AND RESETTLE EXISTING MAILBOXES, STREET SIGNS AND STOP SIGNS. EXISTING MAILBOXES, STREET SIGNS AND STOP SIGNS WHICH INTERFERE WITH CONSTRUCTION SHALL BE REMOVED AND TEMPORARILY RELOCATED DURING CONSTRUCTION BY THE CONTRACTOR. AFTER THE WORK HAS BEEN SUBSTANTIALLY COMPLETED, SAID MAILBOXES AND SIGNS SHALL BE RESET AT A LOCATION SPECIFIED BY THE ENGINEER. THE COST OF THIS WORK SHALL BE CONSIDERED AS AN INCIDENTAL COST TO THE CONTRACT WITH NO ADDITIONAL COMPENSATION ALLOWED. ANY SIGN DAMAGED OR LOST SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. TEMPORARY STOP SIGNS SHALL BE PLACED AS REQUIRED BY THE CITY AS PART OF THE TRAFFIC CONTROL PAY ITEM.



ENGINEER OF RECORD: MANS MUHLZ, PE
FLORIDA P.E. LICENSE NO.: 67167

REV	DATE	REVISION DESCRIPTION

R.J. Behar & Company, Inc.
Engineers • Planners
6881 S.W. 196 AVE. # 302
PENSACOLA PINES, FL 33302



CITY OF DORAL
PHONE: 305-593-6725
4401 NW 59TH TERRACE
DORAL, FLORIDA 33178

ROADWAY MILLING AND RESURFACING PROJECTS
GENERAL NOTES

TABULATION OF QUANTITIES

Pay Item No.	Description	Unit	Segment 1 & 2		Segment 1 & 2		Segment 3		Segment 4 & 5		Segment 6		Segment 7		Grand Total	
			Sheet 4		Sheet 5		Sheet 6		Sheet 7		Sheet 8		Sheet 9		Plan	Final
			Plan	Final	Plan	Final	Plan	Final	Plan	Final	Plan	Final	Plan	Final		
34	ADJUST MANHOLE	EA	9		7		12		7		4		2		41	
35	ADJUST VALVE BOXES	EA	6		8				10		1		3		28	
45	MILLING EXISTING ASPHALT PAVEMENT, 1" AVE. DEPTH	SY	9,176		7,508		5,670		5,413		1,457		2,641		31,865	
48	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC B, SP-9.5	TN	505		413		312		298		73		146		1,747	
58	RETRO-REFLECTIVE PAVEMENT MARKERS (YELLOW)	EA			5		38		52		10		50		155	
59	RETRO-REFLECTIVE PAVEMENT MARKERS (WHITE)	EA	55		73				19		12				159	
60	RETRO-REFLECTIVE PAVEMENT MARKERS (BLUE)	EA	5		3		6		3		1				18	
61	PAINTED PAVEMENT MARKING, STANDARD, WHITE, SOLID, 6"	LF	3166		2807		181		2192		101		82		8,529	
63	PAINTED PAVEMENT MARKING, STANDARD, WHITE, SOLID, 12"	LF	129				45		48		39		57		318	
65	PAINTED PAVEMENT MARKING, STANDARD, WHITE, SOLID, 24"	LF	33		25		67		92		49		60		326	
* 0710 11131	PAINTED PAVEMENT MARKING, STANDARD, WHITE, SKIP, 6" (10'-30')	QM	0.53		0.46										0.99	
* 0710 11141	PAINTED PAVEMENT MARKING, STANDARD, WHITE, DOTTED/GUIDELINE/6-10 CAP, EXT 6"	QM	0.065		0.047		0.013						0.057		0.182	
69	PAINTED PAVEMENT MARKINGS "SHARROW" AND BICYCLE PAVEMENT MARKINGS	EA							6						6	
70	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROW	EA	10		12				6		2				30	
71	PAINTED PAVEMENT MARKING, STANDARD, YELLOW, SOLID, 6"	LF	2515		2896		573		3,156		661		739		10,540	
72	PAINTED PAVEMENT MARKING, STANDARD, YELLOW, SOLID, 18"	LF			80				75		161				316	
74	PAINTED PAVEMENT MARKING, STANDARD, YELLOW, SKIP, 6" (2'-4')	LF							140		118				258	
75	THERMOPLASTIC, STANDARD, WHITE, SOLID, 6"	LF	3166		2807		181		2192		101		82		8,529	
77	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12"	LF	129				45		48		39		57		318	
79	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24"	LF	33		25		67		92		49		60		326	
* 0711 16101	THERMOPLASTIC, STANDARD, WHITE, SKIP, 6" (10'-30')	QM	0.53		0.46										0.99	
* 0711 11141	THERMOPLASTIC, STANDARD, WHITE, DOTTED/GUIDELINE/6-10 CAP, EXT 6", 6" (10'-30')	QM	0.065		0.047		0.013						0.057		0.182	
83	THERMOPLASTIC "SHARROW" AND BICYCLE PAVEMENT MARKINGS	EA							6						6	
84	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	10		12				6		2				30	
85	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 6"	LF	2515		2896		573		3,156		661		739		10,540	
86	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18"	LF			80				75		161				316	
88	THERMOPLASTIC, STANDARD, YELLOW, SKIP, 6" (2'-4')	LF							140		118				258	
90	PATTERNED PAVEMENT, VEHICULAR AREAS-GREEN BIKE LANE (FDOT ITEM NO. 0523-1-3)	SY							989						989	
92	REPLACE EXISTING TRAFFIC LOOP	EA	3						3						6	
N/A	MOBILIZATION/DEMOLITION (INCLUDES IMPLEMENTATION OF STORMWATER POLLUTION PREVENTION PLAN & DUST CONTROL, LIGHTING FOR WORK AT NIGHT TIME IF REQUIRED)	LS													1	
N/A	MAINTENANCE OF TRAFFIC (INCLUDES INSTALLATION OF STEEL PLATES TO COVER TRENCHES, IF REQUIRED)	LS													1	

NOTE:

1. THE PAY ITEMS NO. SHOWN ON THIS TABLE WERE PROVIDED BY THE CITY OF DORAL, EXCEPT THE ITEMS MARKED OR IDENTIFIED BY (*) ON THIS TABLE, WHICH ARE BASED ON THE FDOT AVERAGE UNIT COST.

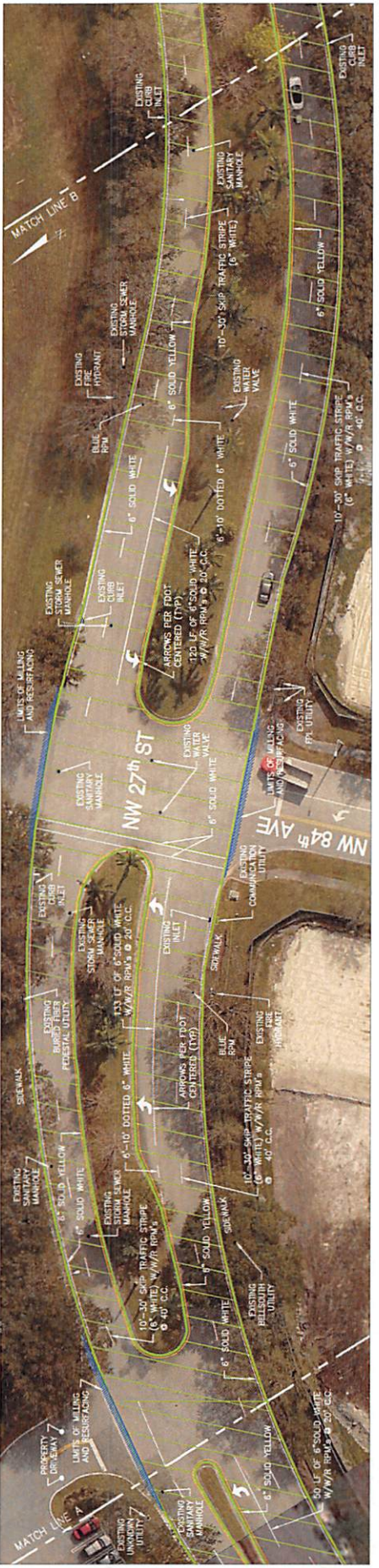
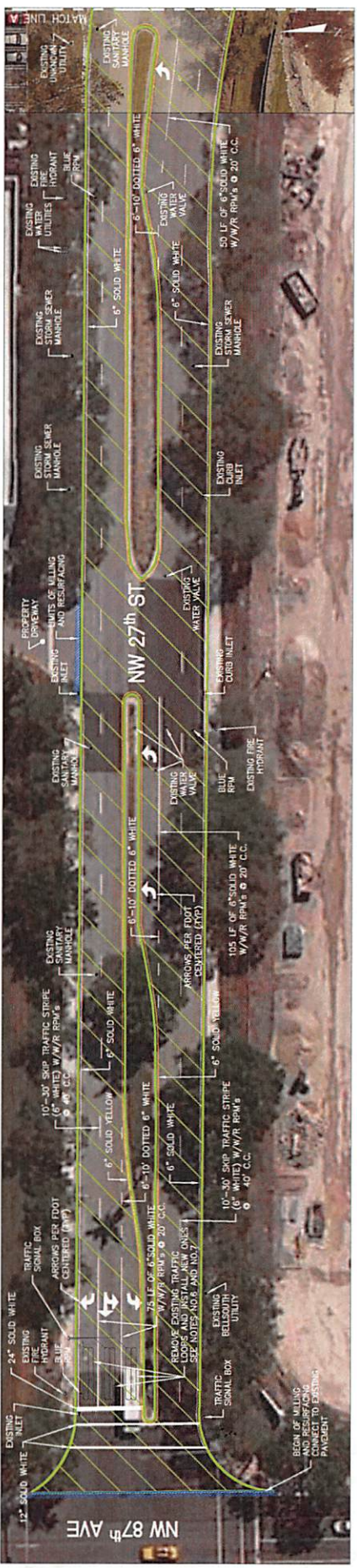
ENGINEER OF RECORD: HANS MURZI, PE
FLORIDA P.E. LICENSE NO.: 67767

REV	DATE	REVISION DESCRIPTION	REV	DATE	REVISION DESCRIPTION

R.J. Behar & Company, Inc.
Engineers • Planners
6861 S.W. 196 AVE. # 302
PEMBROKE PINES, FL 33332

CITY OF DORAL
PHONE: 305-593-6725
8401 NW 59TH TERRACE
DORAL, FLORIDA 33178

PROJECT: **ROADWAY MILLING AND RESURFACING PROJECTS**
TABULATION OF QUANTITIES



SECTION 1.1 & 2

LEGEND:

- REPLACES UNITS OF 1" MILLING AND RESURFACING SUPERPAK ASPHALT CONCRETE, TRAFFIC B, SP - 9.5

0 10 20 30 FEET

NOTES:

- CONTRACTOR SHALL NOTIFY ADJACENT PROPERTY OWNERS PRIOR TO COMMENCEMENT OF WORK.
- APPROVED M.O.T. PLANS SHALL BE REQUIRED. ANYTIME WORK IS BEING PERFORMED AND CONFORM TO THE LATEST EDITION OF FOOT DESIGN STANDARDS 600 SERIES AND THE MUTCD.
- CONTRACTOR SHALL VERIFY ALL PAVEMENT WIDTHS BEFORE COMMENCING WORK.
- CONTRACTOR SHALL MATCH EXISTING PAVEMENT MARKINGS.
- INSTALL PAVEMENT MARKINGS AND ARROWS PER DOT INDEX 17546.
- REPLACE TRAFFIC LOOP DETECTORS THAT WERE DAMAGED DURING THE MILLING AND RESURFACING OPERATIONS. USE SAME TYPE AS EXISTING UNLESS AS PER FOOT INDEX NO. 17181.
- TRAFFIC LOOP DETECTORS SHOWN ON PLANS ARE SUPPLEMENTARY.

REV	DATE	REVISION DESCRIPTION	BY	DATE	REVISION DESCRIPTION
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5					

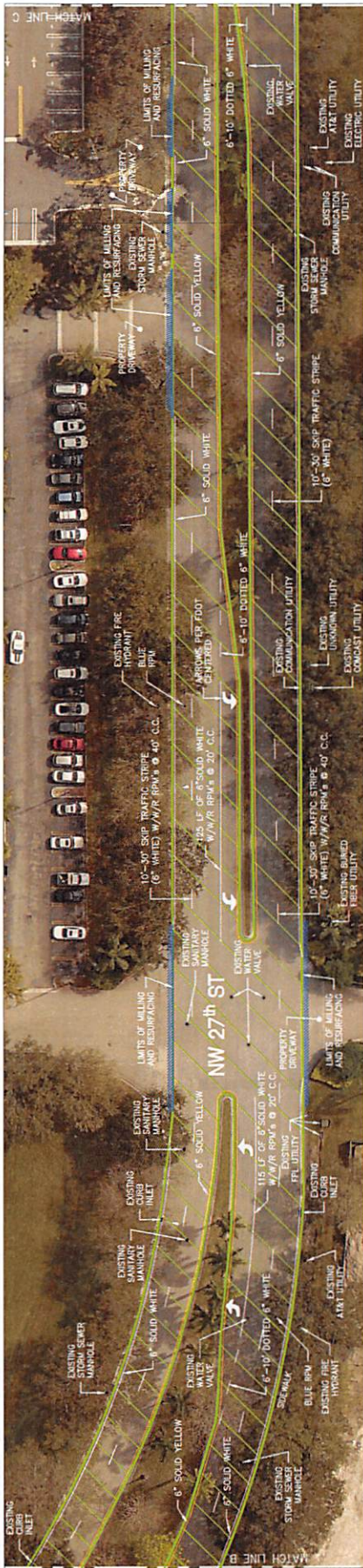
CITY OF DORAL
 PHONE: 305-993-6725
 8401 NW 59TH TERRACE
 DORAL, FLORIDA 33178

R.J.Behar & Company, Inc.
 Engineers • Planners
 6861 S.W. 196 AVE. # 302
 FORT LAUDERDALE, FL 33309

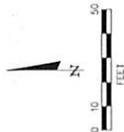
PROJECT: ROADWAY MILLING AND RESURFACING PROJECTS
 NW 27th AVENUE
 FROM NW 82nd AVE TO NW 87th AVE
 FROM NW 87th AVE TO NW 82nd AVE

ENGINEER OF RECORD: HANS HUBZL, P.E.
 FLORIDA P.E. LICENSE NO.: 67267

SHEET
 4 OF 9



SECTION 1. & 2. CONTINUATION



- NOTES:
- CONTRACTOR SHALL NOTIFY ADJACENT PROPERTY OWNERS PRIOR TO COMMENCEMENT OF WORK.
 - APPROVED M.O.T. PLANS SHALL BE REQUIRED ANYTIME WORK IS BEING PERFORMED AND CONFORM TO THE LATEST EDITION OF FOOT DESIGN STANDARDS 600 SERIES AND THE NOTES.
 - CONTRACTOR SHALL VERIFY ALL PAVEMENT WIDTHS BEFORE COMMENCING WORK.
 - CONTRACTOR SHALL MATCH EXISTING PAVEMENT MARKINGS.
 - INSTALL PAVEMENT MARKINGS AND ARROWS PER FOOT INDEX 7246

LEGEND:

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

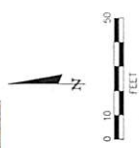
REV	DATE	REVISION DESCRIPTION	REV	DATE	REVISION DESCRIPTION
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R.J. Behar & Company, Inc.
Engineers - Planners
6881 S.W. 196 Ave., # 302
Pembroke Pines, FL 33329

CITY OF DORAL
PHONE: 305-593-6725
8401 NW 58TH TERRACE
DORAL, FLORIDA 33178

PROJECT: **ROADWAY MILLING AND RESURFACING PROJECTS**
NW 27th AVENUE
FROM NW 82nd AVE TO NW 87th AVE
FROM NW 87th AVE TO NW 82nd AVE

ENGINEER OF RECORD: **HANS MURZLIE**
FLORIDA P.E. LICENSE NO.: **67267**



SECTION 3

LEGEND:
 ■ LIMITS OF MILLING AND RESURFACING
 ■ CONCRETE, TRAFFIC B. 2D - 9.5

NOTES:

- CONTRACTOR SHALL NOTIFY ADJACENT PROPERTY OWNERS PRIOR TO COMMENCEMENT OF WORK.
- APPROVED M.O.T. PLANS SHALL BE REQUIRED. ANY WORK IS BEING PERFORMED AND CONFORM TO THE LATEST EDITION OF FDOT DESIGN STANDARDS 800 SERIES, AND THE NOTED.
- CONTRACTOR SHALL VERIFY ALL PAVEMENT WIDTHS BEFORE COMMENCING WORK.
- PAVEMENT MARKINGS.
- INSTALL PAVEMENT MARKINGS AND ARROWS PER FDOT INDEX 17346.

ENGINEER OF RECORD: MANS MURZLI, P.E.
 FLORIDA P.E. LICENSE NO.: 67267

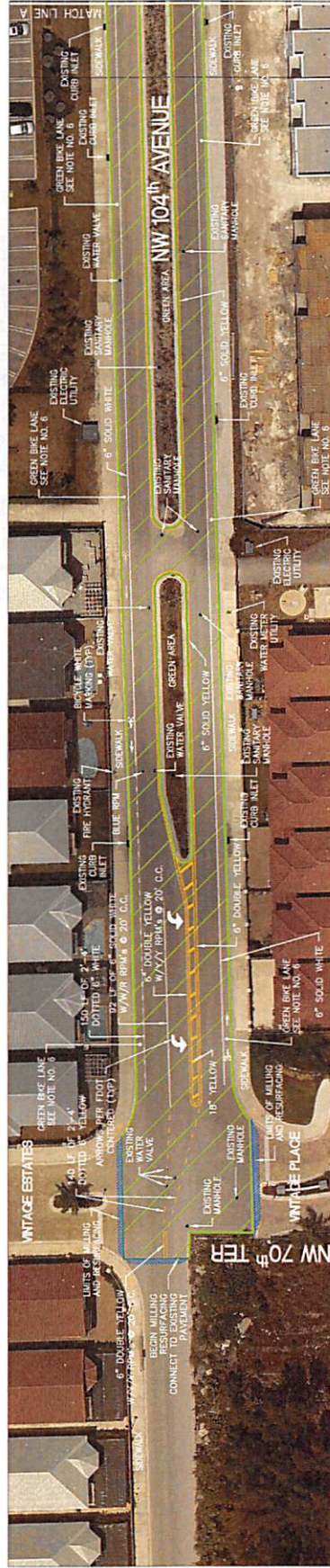
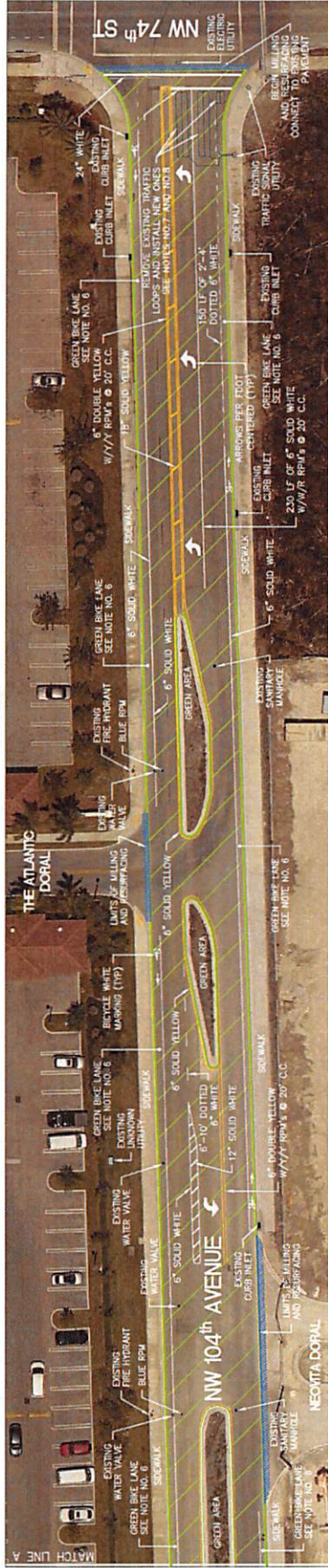
CITY OF DORAL
 PHONE: 305-593-6725
 8401 NW 59TH TERRACE
 DORAL, FLORIDA 33178



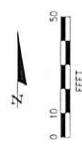
OWNER
R.J. Behar & Company, Inc.
 Engineers + Planners
 6661 SW 196 AVE # 302
 PEMBROKE PINES, FL 33329

REV	DATE	REVISION DESCRIPTION	BY	DATE	REVISION DESCRIPTION
1					
2					
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PROJECT:
ROADWAY MILLING AND RESURFACING PROJECTS
 NW 28th TERRACE
 FROM NW 102nd AVE TO NW 97th AVE



- NOTES:
- CONTRACTOR SHALL NOTIFY ADJACENT PROPERTY OWNERS PRIOR TO COMMENCEMENT OF WORK.
 - APPROVED M.O.T.C. PLANS SHALL BE REQUIRED TO THE LATEST EDITION OF FDOT DESIGN STANDARDS 600 SERIES AND THE MUTCO. CONTRACTOR SHALL VERIFY ALL PAVEMENT WIDTHS BEFORE COMMENCING WORK.
 - CONTRACTOR SHALL MATCH EXISTING PAVEMENT MARKINGS.
 - INSTALL PAVEMENT MARKINGS AND ARROWS PER FOOT INDEX 17346.
 - GREEN BIKE LANE MATERIAL SHALL BE IN ACCORDANCE WITH THE FDOT 503 SPECIFICATION AND SHALL BE ON THE FDOT'S APPROVED PRODUCT LIST.
 - REPLACE TRAFFIC LOOP DETECTORS THAT ARE NOT COMPATIBLE WITH THE FDOT'S APPROVED TRAFFIC LOOP DETECTORS AS PER FOOT INDEX NO. 17781.
 - TRAFFIC LOOP DETECTORS SHOWN ON PLANS ARE SCHEMATICS.
- ENGINEER OF RECORD: HANS BURZELLE
FLORIDA P.E. LICENSE NO. 67267



NO.	DATE	REVISION DESCRIPTION	BY	DATE	REVISION DESCRIPTION
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3					
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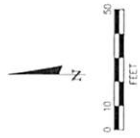
R.J. Behar & Company, Inc.
Engineers • Planners
6861 S.W. 196 AVE. # 302
PENSACOLA, FL 32502

CITY OF DORAL
PHONE: 305-993-6725
8401 NW 59TH TERRACE
DORAL, FLORIDA 33178

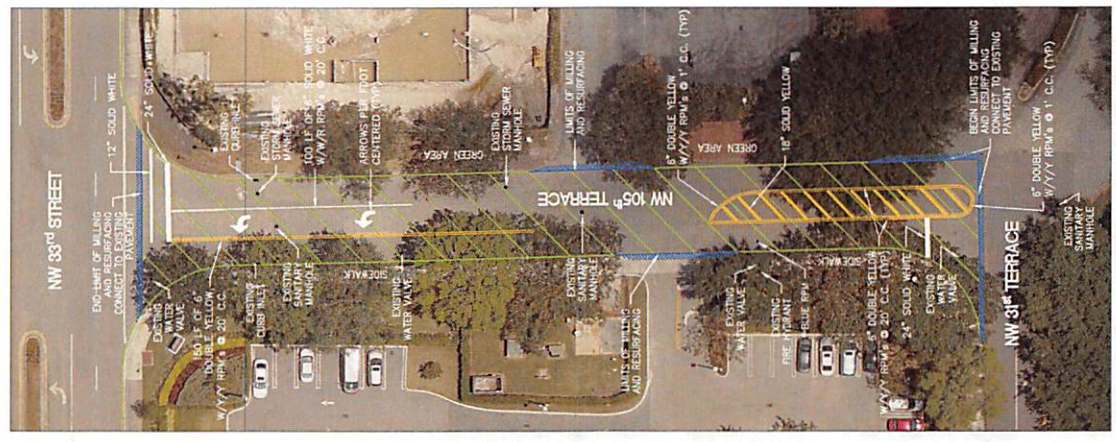
PROJECT: ROADWAY MILLING AND RESURFACING PROJECTS
NW 104th AVENUE
FROM NW 74th ST TO NW 70th ST
FROM NW 70th ST TO NW 74th ST

SEGMENT 5

- LEGEND:**
- 1. DENOTES LIMITS OF 1" MILLING AND RESURFACING SUPERPAVE, ASPHALTIC CONCRETE, TRAFFIC B. SP - 95



- NOTES:**
1. CONTRACTOR SHALL NOTIFY ADJACENT PROPERTY OWNERS PRIOR TO COMMENCEMENT OF WORK.
 2. APPROVED M.O.T. PLANS SHALL BE REQUIRED ANYTIME WORK IS BEING PERFORMED AND CONFORM TO STANDARDS 600 SERIES AND THE MUTCD.
 3. CONTRACTOR SHALL VERIFY ALL BASEMENT WIDTHS BEFORE COMMENCING WORK.
 4. CONTRACTOR SHALL MATCH EXISTING PAVEMENT MARKINGS.
 5. INSTALL PAVEMENT MARKINGS AND ARROWS PER FOOT NBEA 17.546.



ENGINEER OF RECORD: **HANS RUEZL, P.E.**
 FLORIDA P.E. LICENSE NO.: **67767**

REV	DATE	REVISION DESCRIPTION	BY	DATE	REVISION DESCRIPTION
1					
2					
3					
4					
5					

CITY OF DORAL
 PHONE: 305-593-6725
 8600 NW 59TH TERRACE
 DORAL, FLORIDA 33119

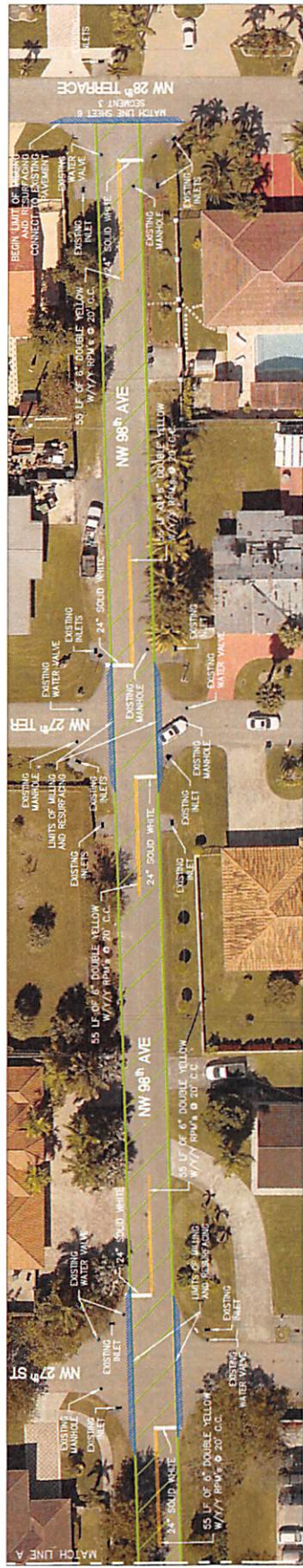


R.J.Behar & Company, Inc.
 Engineers • Planners
 4861 SW 19th Ave, # 200
 PLEASANTON, FL 33322



OWNER:
 CITY OF DORAL

PROJECT:
 ROADWAY MILLING AND RESURFACING PROJECTS
 NW 105th AVENUE
 FROM NW 31st TER TO NW 33rd ST



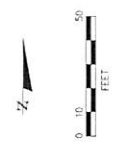
LEGEND

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

NOTES

1. CONTRACTOR SHALL NOTIFY ADJACENT PROPERTY OWNERS PRIOR TO COMMENCEMENT OF WORK.
2. APPROVED M.O.T. PLANS SHALL BE REQUIRED ANYTIME WORK IS BEING PERFORMED AND CONFORM TO THE LATEST EDITIONS OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
3. CONTRACTOR SHALL VERIFY ALL EXISTING WORK BEFORE COMMENCING WORK.
4. CONTRACTOR SHALL MATCH EXISTING PAVEMENT MARKINGS.
5. INSTALL PAVEMENT MARKINGS AND ARROWS PER TYPICAL 17346.

SECTION 7



NO.	DATE	REVISION DESCRIPTION

R.J. Behar & Company, Inc.
 Engineers • Planners
 6861 S.W. 196 AVE, # 307
 PEMBROKE PINES, FL 33029



CITY OF DORAL
 PHONE: 305-593-6725
 8401 NW 59TH TERRACE
 DORAL, FLORIDA 33178

PROJECT
 ROADWAY MILLING AND RESURFACING PROJECTS
 NW 98th AVENUE
 FROM NW 28th TER TO NW 25th TER

RESOLUTION No. 17-40

A RESOLUTION OF THE MAYOR AND THE CITY COUNCIL OF THE CITY OF DORAL, FLORIDA, APPROVING THE AWARD OF INVITATION TO BID #2016-43, "MILLING AND RESURFACING OF BITUMINOUS PAVING, MISCELLANEOUS STORMWATER IMPROVEMENTS" TO H&R PAVING, INC; AUTHORIZING THE CITY MANAGER TO NEGOTIATE AND ENTER INTO AN AGREEMENT, SUBJECT TO APPROVAL AS TO FORM AND LEGAL SUFFICIENCY BY THE CITY ATTORNEY, IN AN AMOUNT NOT TO EXCEED \$2,406,668.37, FOR THE PROVISION OF CITYWIDE ROADWAY IMPROVEMENTS AND TO EXPEND BUDGETED FUNDS IN FURTHERANCE HEREOF; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE

WHEREAS, in response to Invitation to Bid #2016-43 for "Milling and Resurfacing of Bituminous Paving, Miscellaneous Stormwater Improvements" (the "Project"), the City received six (6) bids by the January 31, 2017 deadline, with all six (6) companies meeting the required criteria; and

WHEREAS, upon review of bids received, staff determined that H&R Paving Inc. was the lowest most responsive and responsible bidder (the "Contractor"); and

WHEREAS, a copy of Contractor's Bid Submittal which includes the Construction Contract, ITB #2016-43 Inventory, and Bid Tabulation are all attached as Exhibit "A", which is incorporated herein and made a part hereof by this reference; and

WHEREAS, staff recommends the City Council award the bid to H&R Paving and authorize the City Manager to enter into an agreement for the Project with the Contractor in a not to exceed amount of \$2,406,668.37, which includes a 10% contingency for any unforeseen conditions, is in the best interest of the City.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND CITY COUNCIL OF THE CITY OF DORAL, FLORIDA, AS FOLLOWS:

Section 1. Recitals. The above recitals are confirmed, adopted, and incorporated herein and made part hereof by this reference.

Section 2. Award. Invitation to Bid #2016-43 for "Milling and Resurfacing of Bituminous Paving, Miscellaneous Stormwater Improvements" is hereby award to H&R Paving, the lowest, most responsible and most responsive bidder. This award, in and of itself, and absent entering into an agreement, does not vest H&R Paving with any contractual rights with regard to the Bid, the Project, or the City.

Section 3. Approval. The Contract between the City and Contractor for the Project, in substantially the form provided in in Exhibit "A", which is incorporated herein and made a part hereof by this reference, together with such non-material changes as may be acceptable to the City Manager and approved as to form and legal sufficiency by the City Attorney, in an amount of \$2,406,668.37 (which includes a 10% contingency for any unforeseen conditions), is hereby approved.

Section 4. Authorization. The City Manager is authorized to execute the construction contract and expend budgeted funds on behalf of the City in furtherance hereof.

Section 5. Implementation. The City Manager and the City Attorney are hereby authorized to take such further action as may be necessary to implement the purpose and the provisions of this Resolution.

Section 6. Effective Date. This Resolution shall take effect immediately upon adoption.

The foregoing resolution was offered by Vice Mayor Cabrera who moved its adoption. The motion was seconded by Councilmember Rodriguez and upon being put to a vote, the vote was as follows:

Mayor Juan Carlos Bermudez	Yes
Vice Mayor Pete Cabrera	Yes
Councilwoman Christi Fraga	Absent/Excused
Councilwoman Claudia Mariaca	Yes
Councilwoman Ana Maria Rodriguez	Yes

PASSED and ADOPTED this 8 day of March, 2017.



JUAN CARLOS BERMUDEZ, MAYOR

ATTEST:



CONNIE DIAZ, CMC
CITY CLERK

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



WEISS, SEROTA, HELEMAN, COLE & BIERMAN, P.L.
CITY ATTORNEY