

**CITY OF LAFAYETTE
STANDARD SPECIFICATIONS**

**TECHNICAL PROVISIONS
TABLE OF CONTENTS**

<u>SECTION</u>	<u>TITLE</u>	<u>PAGE</u>
1		
MOBILIZATION		
1-1	GENERAL	1
1-2	PROJECT IDENTIFICATION SIGN	1
1-3	CONSTRUCTION AREA SIGNS	1
1-4	MEASUREMENT	2
1-5	PAYMENT	2
2		
CLEARING AND GRUBBING		
2-1	GENERAL	3
2-2	PAVEMENT REMOVAL.....	3
2-3	DISPOSAL OF MATERIALS.....	3
2-4	SALVAGING OF MATERIALS.....	4
2-5	ABANDONING PIPES AND STRUCTURES	4
2-6	MEASUREMENT	4
2-7	PAYMENT	4
3		
EARTHWORK		
3-1	GENERAL	5
3-2	CONTROL OF SURFACE AND GROUND WATER.....	5
3-3	TOPSOIL	5
3-4	CLASSIFICATION OF EXCAVATION	6
3-5	UNSUITABLE MATERIAL	6
3-6	SLIDES AND SLIPOUTS.....	6
3-7	SLOPES	6
3-8	SURPLUS MATERIALS.....	6
3-9	SELECT MATERIAL	7
3-10	MEASUREMENT	7
3-11	PAYMENT	7
3-12	STRUCTURE EXCAVATION AND BACKFILL	8
3-13	EMBANKMENT CONSTRUCTION.....	9
3-14	COMPACTION	11
3-15	FINISH AND TOLERANCE	11
4		
DUST CONTROL AND WATERING		
4-1	GENERAL	13
4-2	DUST PALLIATIVE.....	13
4-3	WATERING	13
4-4	PENALTY FOR NON-COMPLIANCE.....	14
4-5	FAILURE TO COMPLY.....	14

**TECHNICAL PROVISIONS
TABLE OF CONTENTS
(continued)**

SECTION	TITLE	PAGE
4-6	MEASUREMENT	14
4-7	PAYMENT	14
5		
STREET FAILED AREA REPAIR		
5-1	GENERAL	15
5-2	DISPOSAL OF EXCAVATED MATERIAL	15
5-3	TACK COAT	15
5-4	PLACING ASPHALT CONCRETE	15
5-5	TOLERANCES.....	15
5-6	MEASUREMENT	16
5-7	PAYMENT	16
6		
SUBGRADE PREPARATION		
6-1	GENERAL	17
6-2	SUBGRADE TOLERANCE	17
6-3	MEASUREMENT.....	17
6-4	PAYMENT	17
7		
AGGREGATE SUBBASE		
7-1	GENERAL	18
7-2	MATERIALS.....	18
7-3	SPREADING.....	18
7-4	COMPACTING	18
7-5	TOLERANCE	18
7-6	TESTS.....	19
7-7	MEASUREMENT	19
7-8	PAYMENT	19
8		
AGGREGATE BASE		
8-1	GENERAL	20
8-2	MATERIALS.....	20
8-3	SPREADING.....	20
8-4	COMPACTING	20
8-5	TOLERANCE	20
8-6	TESTS.....	21
8-7	MEASUREMENT.....	21
8-8	PAYMENT	21

**TECHNICAL PROVISIONS
TABLE OF CONTENTS
(continued)**

SECTION	TITLE	PAGE
9		
ASPHALT CONCRETE		
9-1	GENERAL	22
9-2	ASPHALT BINDER	22
9-3	AGGREGATES	22
9-4	MATERIAL TEMPERATURE AND WEATHER CONDITIONS	22
9-5	PLACEMENT	23
9-6	TOLERANCES	24
9-7	REJECTION OF DEFECTIVE PAVING AND CORRECTIVE MEASURES	24
9-8	CERTIFICATES OF COMPLIANCE	25
9-9	EQUIPMENT	25
9-10	PRIME COAT	25
9-11	TACK COAT	25
9-12	MEASUREMENT	25
9-13	PAYMENT	25
10		
BITUMINOUS SEAL COATS		
10-1	GENERAL	26
10-2	SLURRY SEAL	27
10-3	ASPHALT RUBBER (RUBBERIZED) CHIP SEAL	32
10-4	MODIFIED ASPHALT RUBBER BINDER CHIP SEAL	38
10-5	MICRO-SURFACING	40
10-6	TESTING BY THE CITY	44
10-7	TOLERANCES	44
10-8	MEASUREMENT	44
10-9	PAYMENT	44
11		
FULL-DEPTH ASPHALT CONCRETE RECYCLING		
11-1	GENERAL	45
11-2	EQUIPMENT	45
11-3	PULVERIZING AND MIXING	45
11-4	STOCKPILING AND PLACEMENT	45
11-5	CEMENT TREATMENT	45
11-6	PUBLIC SAFETY	46
11-7	MEASUREMENT	47
11-8	PAYMENT	47

**TECHNICAL PROVISIONS
TABLE OF CONTENTS
(continued)**

SECTION	TITLE	PAGE
12		
ASPHALT CONCRETE LEVELING COURSE AND CRACK FILL REPAIRS		
12-1	ASPHALT CONCRETE LEVELING COURSE	48
12-2	CRACK FILL REPAIRS.....	48
13		
COLD PLANING		
13-1	GENERAL	50
13-2	SURFACE PREPARATION.....	50
13-3	EQUIPMENT	50
13-4	PLANING OPERATION	50
13-5	MATERIAL DISPOSAL.....	51
13-6	MEASUREMENT.....	51
13-7	PAYMENT	51
14		
PAVEMENT REINFORCING FABRIC		
14-1	GENERAL	52
14-2	MATERIALS.....	52
14-3	SURFACE PREPARATION.....	52
14-4	PLACING	52
14-5	MEASUREMENT.....	53
14-6	PAYMENT	53
15		
PAVEMENT STRIPING, MARKERS AND DELINEATION		
15-1	GENERAL	54
15-2	LAYOUT, ALIGNMENT AND SPOTTING.....	54
15-3	PAVEMENT MARKERS.....	54
15-4	REMOVAL OF EXISTING AND TEMPORARY TRAFFIC STRIPES AND PAVEMENT MARKINGS	54
15-5	THERMOPLASTIC STRIPING AND PAVEMENT MARKINGS.....	55
15-6	PAINTED STRIPING AND PAVEMENT MARKINGS	55
15-7	CURB PAINTING.....	55
15-8	GLASS BEADS.....	55
15-9	RAISED BARS	55
15-10	MEASUREMENT.....	56
15-11	PAYMENT	56
16		
TRAFFIC SIGNS		
16-1	GENERAL	57
16-2	BASE METAL.....	57

**TECHNICAL PROVISIONS
TABLE OF CONTENTS
(continued)**

SECTION	TITLE	PAGE
16-3	BASE METAL PREPARATION	57
16-4	REFLECTIVE SHEETING.....	57
16-5	SPLICES.....	57
16-6	EDGE SEALING	57
16-7	FINISH	57
16-8	LEGENDS	58
16-9	MANUFACTURER'S IDENTIFICATION	58
16-10	SIGN POSTS	58
16-11	INSPECTION.....	58
16-12	REMOVAL AND RELOCATION OF EXISTING SIGNS	58
16-13	MEASUREMENT.....	58
16-14	PAYMENT	58

**17
CONCRETE CONSTRUCTION**

17-1	PORTLAND CEMENT CONCRETE MATERIALS.....	59
17-2	STEEL REINFORCEMENT	66
17-3	EXPANSION JOINT FILLER AND JOINT SEALANTS.....	67
17-4	CONCRETE CURING COMPOUND.....	67
17-5	CEMENT MORTAR.....	68
17-6	CONCRETE STRUCTURES	68
17-7	CONCRETE MINOR STRUCTURES (CURBS, GUTTERS, SIDEWALKS, AND ACCESS RAMPS)	76

**18
STORM DRAINS**

18-1	TRENCHING	80
18-2	BEDDING	81
18-3	PIPE MATERIALS	82
18-4	PIPE INSTALLATION.....	83
18-5	BACKFILL	85
18-6	(BLANK).....	87
18-7	MANHOLES.....	87
18-8	CONTROL OF EXISTING FLOWS.....	88
18-9	TRENCH RESURFACING	89
18-10	MEASUREMENT.....	89
18-11	PAYMENT	89

**19
LANDSCAPE IRRIGATION**

19-1	GENERAL	90
19-2	MATERIALS.....	93
19-3	PREPARATION	97
19-4	INSTALLATION	97
19-5	MAINTENANCE	103

**TECHNICAL PROVISIONS
TABLE OF CONTENTS
(continued)**

SECTION	TITLE	PAGE
19-6	FINAL MAINTENANCE INSPECTION	103
19-7	ACCEPTANCE	103
19-8	GUARANTEE	103
19-9	MEASUREMENT	103
19-10	PAYMENT	104

**20
LANDSCAPING**

20-1	GENERAL	105
20-2	MATERIALS	106
20-3	GRADING AND SOIL PREPARATION	109
20-4	PLANTING	110
20-5	GRASS SEEDING	111
20-6	CLEAN UP	112
20-7	PRE-FINAL INSPECTION	112
20-8	MAINTENANCE	112
20-9	GUARANTEE	114
20-10	MEASUREMENT	114
20-11	PAYMENT	115

**21
TREE TRIMMING AND REMOVAL**

21-1	GENERAL	116
21-2	ARBORICULTURAL TREE PRUNING	116
21-3	TREE TRIMMING FOR CONSTRUCTION CLEARANCE	117
21-4	MEASUREMENT	117
21-4	PAYMENT	117

**22
PROTECTION AND RESTORATION OF EXISTING IMPROVEMENTS**

22-1	GENERAL	118
22-2	DOCUMENTATION OF PRE-CONSTRUCTION CONDITIONS	118
22-3	TREE AND PLANT PROTECTION	118
22-4	LAWN	119
22-5	FENCES	119
22-6	DRIVEWAYS, SIDEWALKS, RETAINING WALLS, CURBS AND GUTTERS	119
22-7	STORM DRAINS	120
22-8	SANITARY SEWER LATERALS	120
22-9	ADJUSTMENT OF SURVEY MONUMENTS AND UTILITY FRAMES AND COVERS	120
22-10	MEASUREMENT AND PAYMENT	121

**TECHNICAL PROVISIONS
TABLE OF CONTENTS
(continued)**

SECTION	TITLE	PAGE
23		
OTHER TECHNICAL PROVISIONS		
23	OTHER TECHNICAL PROVISIONS	123
24		
DIRECTIONAL DRILLING		
24-1	SUBMITTALS	124
24-2	EQUIPMENT	124
24-3	EXECUTION	125
24-4	MEASUREMENT	126
24-5	PAYMENT	126