

REGULAR AGENDA

PUBLIC WORKS

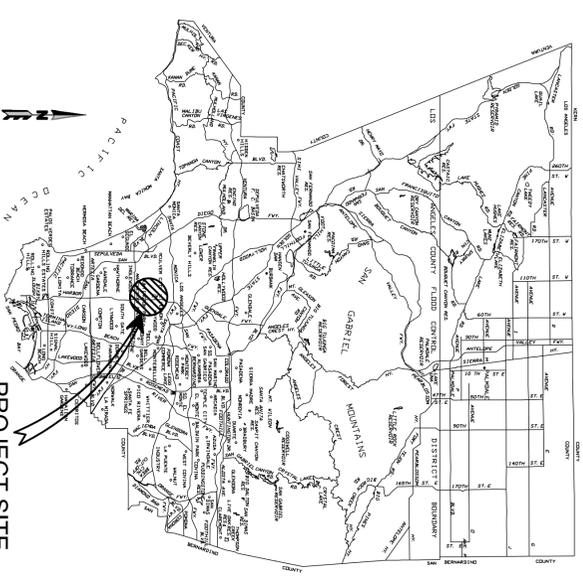
9. **Approve Design, Specifications and Advertise for Bids for Various Streets Improvement Project**

ATTACHMENT "A"



CITY OF HUNTINGTON PARK

PUBLIC WORKS & ENGINEERING DEPARTMENT VARIOUS STREET IMPROVEMENT PROJECT

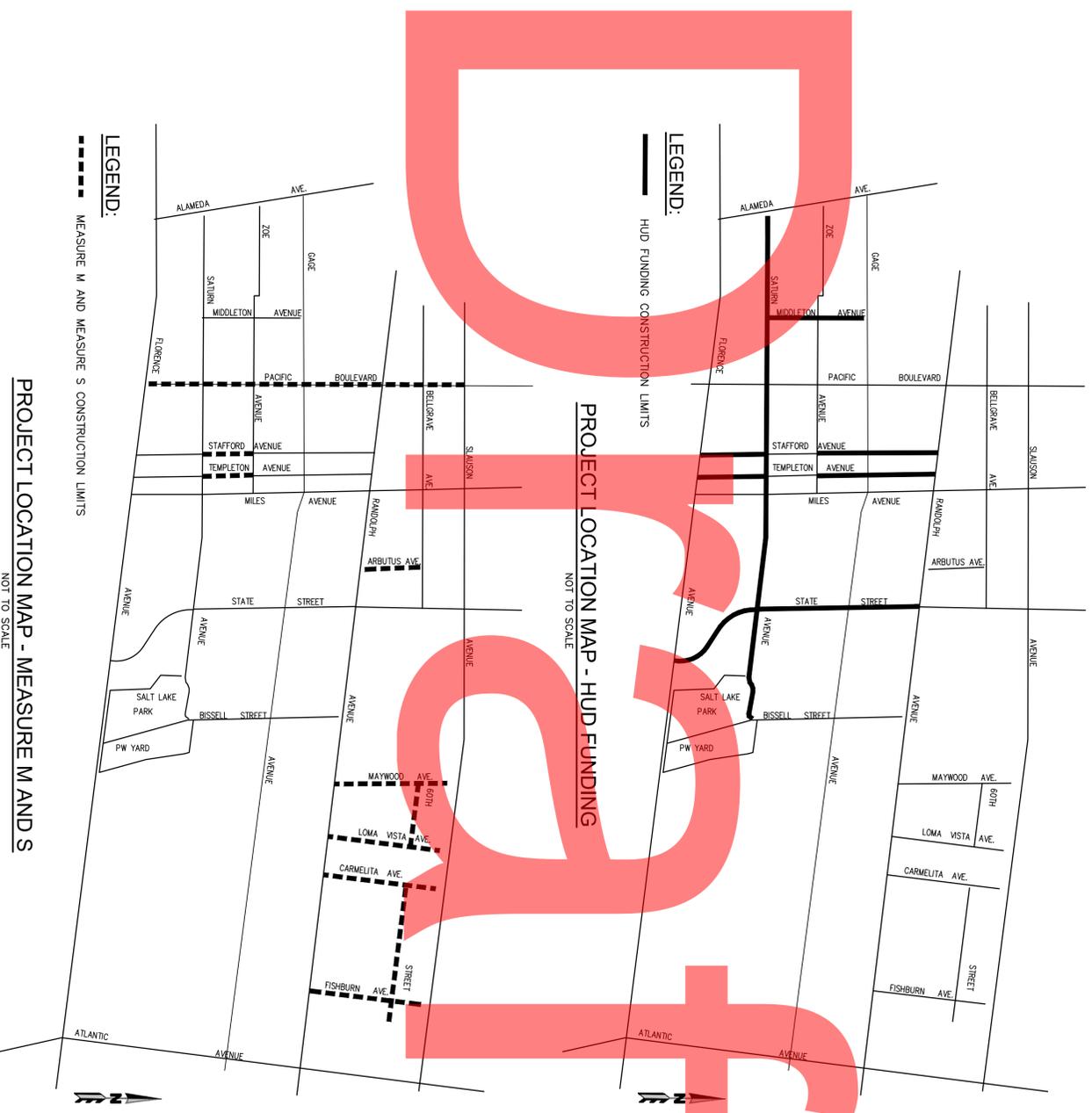


PROJECT SITE

LOCATION MAP
NOT TO SCALE

PROJECT UTILITY CONTACTS:

AT&T JOSEPH FORKERT CALIFORNIA WATER SERVICE PHILIP DELGADO CENTRAL BASHI MWD JACQUE KOONITZ CITY OF VERNON JOSE LUGO CITY OF VERNON - GAS ANTHONY SERRANO	510-645-2929 jof@forkertengineering.com 323-263-4145 pdelgado@calwater.com 323-201-5528 jacobko@centralbashi.org 323-583-881
CROWN CASTLE - LA & VEN REBECCA CALDWELL LEVEL 3 COMMUNICATIONS AREA REPRESENTATIVE MCI (VERIZON BUSINESS) DEAN BOTERS SC GAS - HUNTINGTON PARK JASON JONES	323-583-8811 aserrano@sl.verizon.ca.us 888-632-0931 rberdig@rowncastle.com 877-366-8344 rel@level3.com 469-886-4238 investigations@verizon.com 310-687-2026 jones4@scamp.utillies.com
SOUTHERN CALIFORNIA EDISON - DISTRIBUTION DESIGN SUPPORT/JND SOUTHERN CALIFORNIA EDISON - TELECOMMUNICATIONS DESIGN SUPPORT/JND SOUTHERN CALIFORNIA EDISON - TRANSMISSION DESIGN SUPPORT/JND SOUTHERN CALIFORNIA EDISON GILBERT ACEVES TESORO REFINING & MARKETING CO ANDEAVOR THIRD PARTY REQUESTS TORRANCE LOGISTICS CO/PBF ENERGY ADRIANE SIMON	310-625-3886 adrsimon@pbfenergy.com 626-430-3335
UTILIQUEST 4 CHARTER COMM - IRVINDALE GEORGE ALVAREZ UTILIQUEST FOR CHARTER JEFF FLAGO ZAYO FNA ABOVEVENT GEORGE HUSS	626-853-3349 jfl@utiliquest.com 443-403-2023 george.huss@zayo.com



LEGEND:
HUD FUNDING CONSTRUCTION LIMITS

LEGEND:
MEASURE M AND MEASURE S CONSTRUCTION LIMITS

PROJECT LOCATION MAP - HUD FUNDING
NOT TO SCALE

PROJECT LOCATION MAP - MEASURE M AND S
NOT TO SCALE

INDEX OF DRAWINGS

DWG. NO.	DESCRIPTION
C-1	TITLE SHEET
C-2	VARIOUS STREET TYPICAL CROSS SECTIONS AND CONSTRUCTION NOTES FOR SATURN AVENUE, MIDDLETON AVENUE, STAFFORD AVENUE, TEMPLETON AVENUE, PACIFIC BOULEVARD, ARBUTUS AVENUE, MAYWOOD AVENUE, LOMA AVENUE, CARMELITA AVENUE, FISBORN AVENUE AND 60TH STREET.
C-3	CONCRETE WORK, ASPHALT REPAIR AND SLURRY SEAL MEASURE M AND S.
C-4	CONCRETE AND MISCELLANEOUS WORK HUD FUNDED GRIND AND OVERLAY.
C-5	CONCRETE AND MISCELLANEOUS WORK STATE STREET AND MIDDLETON AVE.

TOTAL SHEETS = 5

UNAUTHORIZED CHANGES AND USES:

CAUTION: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS.

Know whats below.
Call before you dig.

3060 Salem Street, Suite 250
Tel: (714) 940-0100
Fax: (714) 940-0700
www.infrastructure-engineers.com

DESIGNED BY: H. HENEN	DATE: 8/20/18
DRAWN BY: J. ROQUE	
CHECKED BY: H. HENEN	

NO.	REVISIONS	REVISED BY	APPROVED BY	DATE



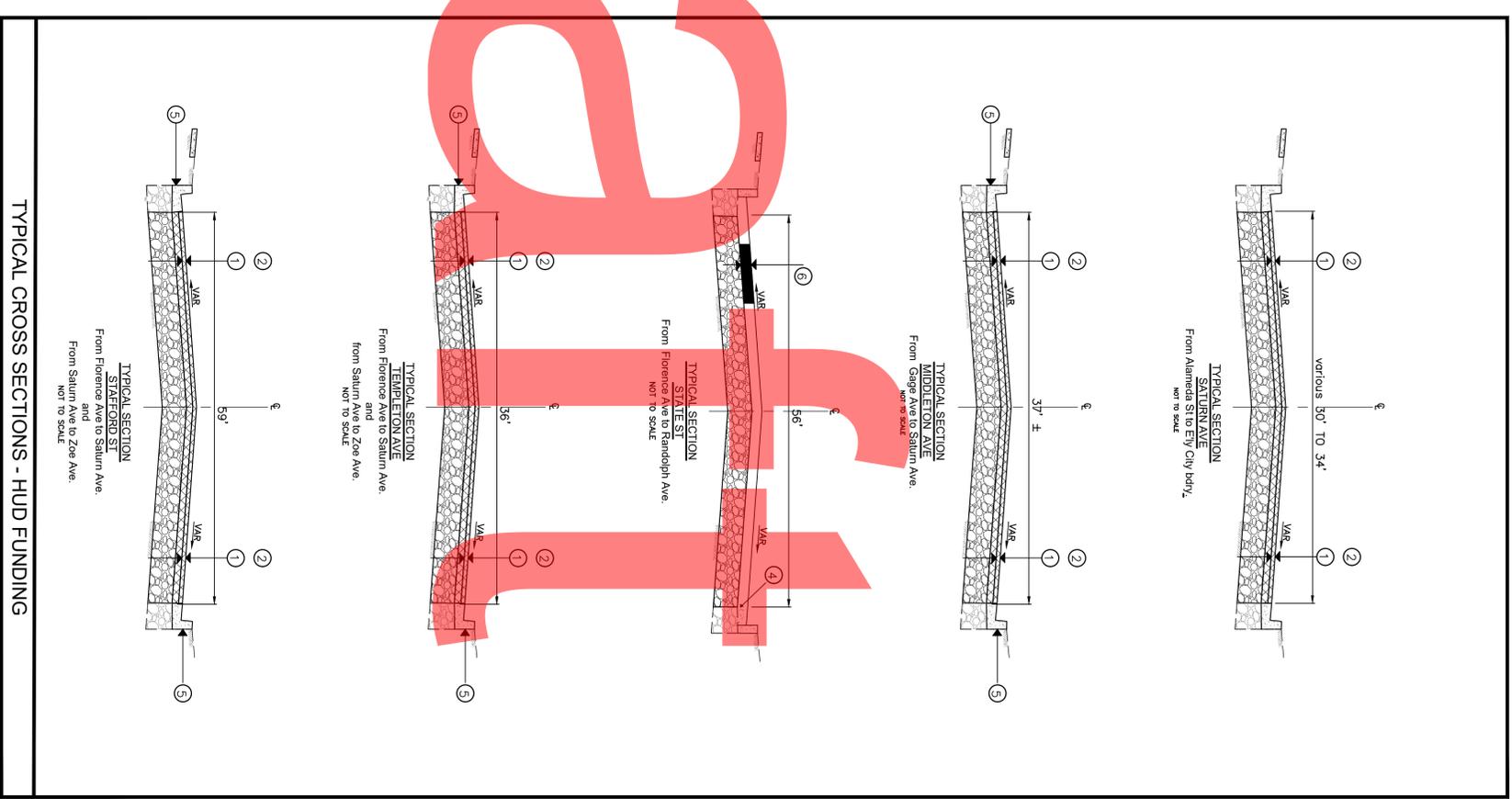
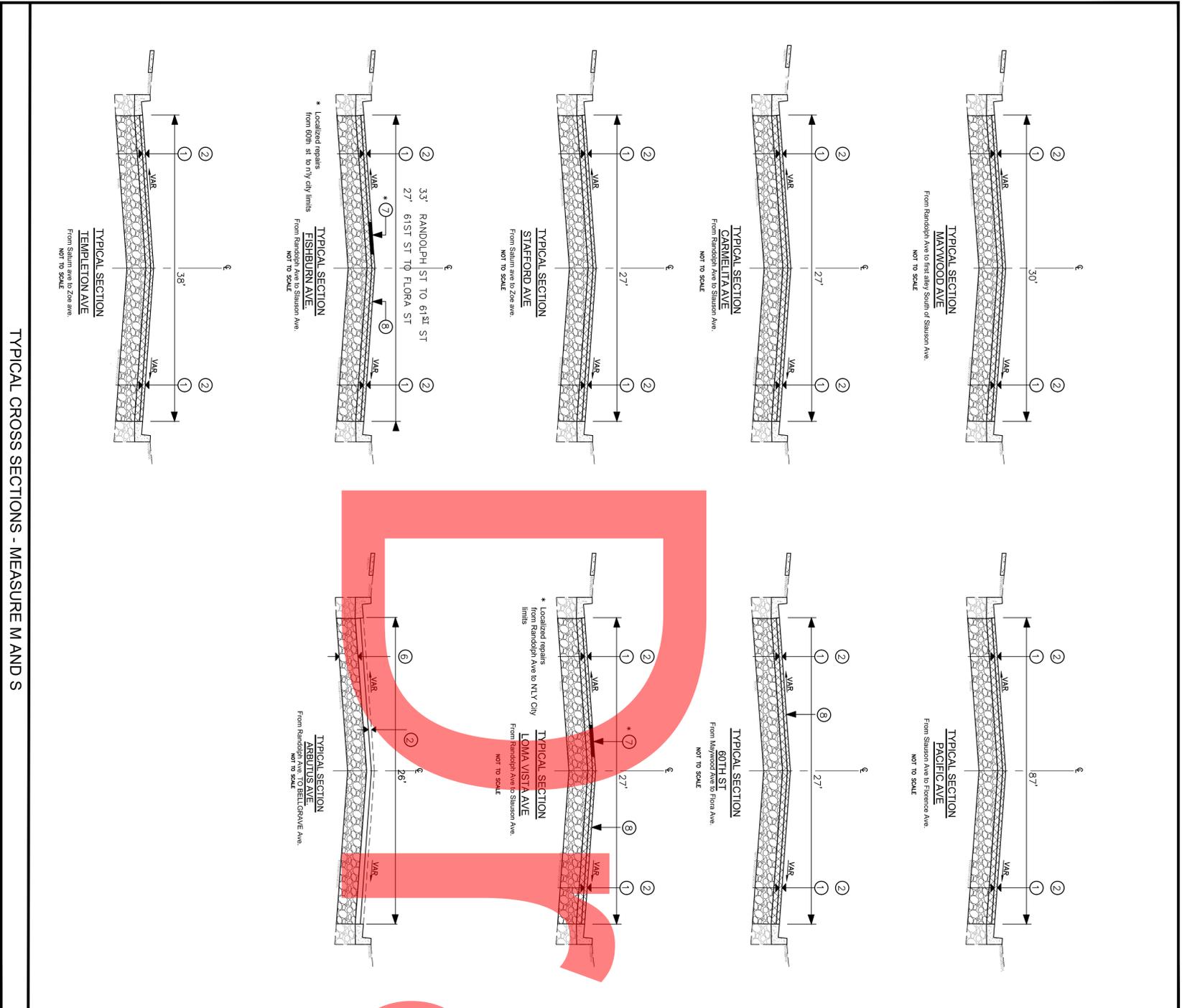
CITY OF HUNTINGTON PARK
PUBLIC WORKS & ENGINEERING DEPARTMENT

VARIOUS STREET IMPROVEMENT PROJECT

TITLE SHEET

SHEET 1 OF 5 SHEETS

DWG. NO. C-1



CONSTRUCTION NOTES:

- ① COLDMILL 2" OF EXISTING AC - AT THE LIMITS SHOWN ON SHEETS NO. 3 AND 4.
- ② CONSTRUCT 2" ARHM PG 64-16, AT THE LIMITS SHOWN ON SHEETS NO. 3 AND 4.
- ③ REMOVE AND CONSTRUCT DRIVEWAY APPROACH TO MATCH EXISTING OR AS DIRECTED PER SPWS SHOWN ON SHEET NO. 3, 4 AND 5.
- ④ REMOVE AND REPLACE CURB ONLY PER SPWS SHOWN ON SHEET NO. 3, 4 AND 5.
- ⑤ REMOVE AND REPLACE CURB AND GUTTER PER SPWS STANDING AT THE ADDRESS SHOWN ON SHEETS NO. 3, 4 AND 5.
- ⑥ REMOVE EXISTING 8"-10" THICK PCC, RECOMPACT AND REPLACE WITH 8"-10" THICK CLASS 560-C-3250 PER SPWS STANDARD PLANS NO 132 - 3, AT THE ADDRESS SHOWN ON SHEET NO. 5.
- ⑦ REMOVE 4" THICK OF EXISTING AND REPLACE WITH 4" THICK CONVENTIONAL ASPHALT PER SPWS STANDARD PLAN NO 135 - 3 AT THE ADDRESS SHOWN ON SHEET NO. 3.
- ⑧ APPLY SLURRY SEAL AT THE ADDRESS SHOWN ON SHEET NO. 3.

NOTES:

1. A MANDATORY PRE-BID MEETING IS SCHEDULED FOR SEPTEMBER 5TH, 2018 AT 10:00 AM IN CITY HALL.
2. THE CONTRACTOR SHALL MOBILIZE TO START CONSTRUCTION WITHIN 10 WORKING DAYS FROM THE DATE OF THE CONTRACT AWARD.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE LOCATION OF THE UTILITIES IN THE CONSTRUCTION AREA.

GENERAL NOTES:

THE PAVEMENT WIDTH'S SHOWN HEREIN FOR ALL THE STREETS IS BASED ON FIELD MEASUREMENTS AND ARE NOT BASED ON ANY SURVEY DATA OR RIGHT OF WAY MAPS

CITY OF HUNTINGTON PARK
 PUBLIC WORKS & ENGINEERING DEPARTMENT
 VARIOUS STREET
 IMPROVEMENT PROJECT

NO.	REVISIONS	REVISED BY	APPROVED BY	DATE

UNDER THE SUPERVISION OF:


TYPICAL CROSS SECTIONS

SHEET 2 OF 5 SHEETS DWG. NO. C-2

INFRASTRUCTURE ENGINEERS
 3862 Saturn Street, Suite 250
 Huntington Park, CA 91782
 Tel: (714) 940-0100
 Fax: (714) 940-0700
 www.infrastructure-engineers.com

DESIGNED BY: H. HENEN
 DRAWN BY: B. BOUTROS
 CHECKED BY: H. HENEN DATE: DATE:

APPROVED: DANIEL HERNANDEZ - DIRECTOR OF PUBLIC WORKS

TEMPLETON AVE. CONCRETE AND MISCELLANEOUS WORK - HUD FUNDED

ADDRESS	CONCRETE AND MISCELLANEOUS WORK CONTINUE			DRIVEWAY (SF)			8" CURB (LF)	8" C&G (LF)	CURB RAMPS (EA)
	LENGTH	WIDTH	TOTAL	LENGTH	WIDTH	TOTAL			
TEMPLETON AVE									
FLORENCE AVE/ SATURN AVE									2SE SW
2808 FLORENCE AVE	12	9.5	114	36	9.5	342			
	31	9.5	294.5	24	9.5	228			
2781 FLORENCE AVE	35	4	140	16	9.5	152			90
	10	9.5	95	32	9.5	304			
7114 TEMPLETON AVE	15	4	60	17	9.5	161.5			22
	6	3.5	21						
7120 TEMPLETON AVE	21	9.5	199.5	16	9.5	152			21
7108 TEMPLETON AVE	12	4	48	12					
7102 TEMPLETON AVE	12	4	48	12	6	72			12
7018 TEMPLETON AVE	8	4	32						
	18	9.5	171						
7022 TEMPLETON AVE	4	4	16						
	6	4	24						
7034 TEMPLETON AVE	14	4	56						
	6	4	24						
7038 TEMPLETON AVE	12	4	48						27
	6	4	24						
7105 TEMPLETON AVE	20	4	80	10	6	60			15
7109 TEMPLETON AVE	12	4	48						
	14	4	56						
7009 TEMPLETON AVE	11	4	44						
	8	4	32						
7011 TEMPLETON AVE	26	4	104						
7013 TEMPLETON AVE	8	4	32						14
7019 TEMPLETON AVE	19	4	76						
7023 TEMPLETON AVE	14	4	56						
6929 TEMPLETON AVE	15	4	60	17	6	102			17
6900 TEMPLETON AVE	4								21
6914 TEMPLETON AVE	23	4	92	16	6	96			29
6918 TEMPLETON AVE	14	4	56						16
6928 TEMPLETON AVE	14	4	56	16	6	96			30
6932 TEMPLETON AVE									15
6519 TEMPLETON AVE	11	4	44	16	6	96			30
6531 TEMPLETON AVE									15
6438 TEMPLETON AVE	6	4	24						14
6439 TEMPLETON AVE									

TEMPLETON AVE. CONCRETE AND MISCELLANEOUS WORK - HUD FUNDED (CONTINUED)

ADDRESS	CONCRETE AND MISCELLANEOUS WORK CONTINUE			DRIVEWAY (SF)			8" CURB (LF)	8" C&G (LF)	CURB RAMPS	
	BE WALK (SF)	WIDTH	TOTAL	LENGTH	WIDTH	TOTAL				
6405 TEMPLETON AVE	21	4	84							
6419 TEMPLETON AVE	6	4	24							
NEXT 6419 TEMPLETON AVE										
6412 TEMPLETON AVE	9	4	36	9	10	90			30	
ZOE AVE TO GAGE AVE									10	
6522 TEMPLETON AVE	14	4	56	16	6	96			17	
AFTER 6522 TEMPLETON AVE	9	4	36	11	10	110			16	
6528 TEMPLETON AVE	20	4	80	16	6	96			16	
6530 TEMPLETON AVE	27	4	108							
6507 TEMPLETON AVE	4	5	20						45	
GAGE AVE TO CLAREBON AVE									18	
AFTER 6577 TEMPLETON AVE	12	5	60	10	5	50			17	
6341 TEMPLETON AVE	6	4	24	23	4.5	103.5			28	
6316 TEMPLETON AVE	45	5	225	10	4.5	45			17	
6108 RANDOLPH AVE	11	5	55	10	4.5	45			17	
6210 RANDOLPH AVE									29	
6216 TEMPLETON AVE									34	
6205 TEMPLETON AVE									20	
6213 TEMPLETON AVE									2	
FLORENCE AVE TO TEMPLETON AVE									2 SE SW	
GAGE AVE TO TEMPLETON AVE									4 SE SW, NE NW	
CLAREBON AVE TO TEMPLETON AVE									4 SE SW, NE NW	
RANDOLPH AVE TO TEMPLETON AVE									2 SE SW	
FISHBURN AVE & EAST STREET									1 SW	
FISHBURN AVE & RANDOLPH AVE									1 NE	
TOTAL			3236			2895.5			908	16

STAFFORD AVE. & TEMPLETON AVE. GRIND AND OVERLAY - HUD FUNDED

STREET NAMES (FROM - TO)	UNCOVERED THICK GRINDING	1 1/2" THICK GRINDING	2" THICK TRAFFIC LOOPS	ARHM (TONS)	CONVENTIONAL ASPHALT TONS	ADJUST W/ADJUST TO GRADE	ADJUST SEWER/SOM H TO GRADE	ADJUST SURVEYING MONUMENT		
									ADJUST W/ADJUST TO GRADE	ADJUST SEWER/SOM H TO GRADE
STARBOARD AVE										
FLORENCE AVE TO SATURN AVE		39528		494				1		
ZOE AVE TO GAGE AVE		30852		386						
GAGE AVE TO CLAREBON AVE		23868		299						
CLAREBON AVE TO RANDOLPH AVE		18360		230						
ALLEY AFTER CLAREBON AVE										
TEMPLETON AVE										
FLORENCE AVE TO SATURN AVE		43586		545				1		
ZOE AVE TO GAGE AVE		32984		412				1		
GAGE AVE TO CLAREBON AVE		29372		330				2		
CLAREBON AVE TO RANDOLPH AVE		17480		219				1		
ALLEY AFTER CLAREBON AVE										
TOTAL				238030				4	2915	4

MIDDLETON AVE. GRIND AND OVERLAY HUD FUNDED

CITY OF HUNTINGTON PARK			
AREA BREAKDOWN FOR GRINDING AND OVERLAY			
MIDDLETON STREET FROM SATURN STREET TO GAGE AVENUE	From	To	SF
	Middleton north br/ ect	Southerly br/ ect of Zoe	27,646
	Intersection of Middleton and Zoe	northerly br/ ect of Middleton	3,594
	Zoe		28,397
TOTAL			59,637

SATURN AVE. GRIND AND OVERLAY HUD FUNDED

CITY OF HUNTINGTON PARK			
AREA BREAKDOWN FOR GRIND AND OVERLAY			
SATURN STREET FROM ALAMEDA STREET TO EASTERN CITY LIMIT	From	To	SF
	Alameda	Albany	21,063
	Intersection of Saturn and Albany	Marbrisa	3,546
	Albany	Marbrisa	11,633
	Intersection of Saturn and Marbrisa	Santa Fe	-
	Marbrisa	Santa Fe	11,920
	Intersection of Saturn and Santa Fe	Middletion	-
	Santa Fe	Middletion	11,913
	Intersection of Saturn Middletion	Malabar	11,597
	Middletion	Malabar	3,885
	Intersection of Saturn and Malabar	Rugby	11,157
	Malabar	Rugby	3,946
	Intersection of Saturn and Rugby	Pacific	11,597
	Rugby	Pacific	-
	Intersection of Saturn and Pacific	Rita	11,736
	Pacific	Rita	3,555
	Intersection of Saturn and Rita	Seville	12,076
	Rita	Seville	3,404
	Intersection of Saturn and Seville	Stafford	11,276
	Seville	Stafford	3,591
	Intersection of Saturn and Stafford	Templeton	11,614
	Stafford	Templeton	3,575
	Intersection of Saturn and Templeton	Miles	8,688
	Templeton	Miles	5,000
	Intersection of Saturn and Miles	Passaic	23,221
	Miles	Passaic	2,825
	Intersection of Saturn and Passaic	Marconi	6,500
	Passaic	Marconi	3,486
	Intersection of Saturn and Marconi	Arbutus	6,253
	Marconi	Arbutus	3,421
	Intersection of Saturn and Arbutus	Cedar	6,714
	Arbutus	Cedar	3,413
	Intersection of Saturn and Cedar	State	7,385
	Cedar	State	-
	Intersection of Saturn and State	Benson	7,746
	State	Benson	3,640
	Intersection of Saturn and Benson	Plaska	7,448
	Benson	Plaska	3,987
	Intersection of Saturn and Plaska	Hood	7,344
	Plaska	Hood	3,784
	Intersection of Saturn and Hood	Eastern City Limits	34,158
	Hood	Eastern City Limits	308,077
TOTAL			308,077



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DESIGNED BY: H. HENEN
 DRAWN BY: B. BOUTROS
 CHECKED BY: H. HENEN
 DATE:

NO.	REVISIONS	REVISED BY	APPROVED BY	DATE

UNDER THE SUPERVISION OF:

 DANIEL HERNANDEZ - DIRECTOR OF PUBLIC WORKS

CITY OF HUNTINGTON PARK
 PUBLIC WORKS & ENGINEERING DEPARTMENT
 VARIOUS STREET IMPROVEMENT PROJECT

CONCRETE AND MISCELLANEOUS WORK
 HUD FUNDED \ GRIND AND OVERLAY

STATE ST. CONCRETE AND MISCELLANEOUS WORK - HUD FUNDED

CITY OF HUNTINGTON PARK													
STATE STREET/ CONCRETE AND MISCELLANEOUS WORK													
FROM RANDOLPH AVE TO FLORENCE AVE													
ADDRESS	LENGTH	SIDE WALK WIDTH	TOTAL	DRIVEWAY LENGTH	DRIVEWAY WIDTH	TOTAL	8" CURB ONLY(LF)	10" PCC BOXES	PULL RAMPS	CURB RAMPS	TRUNCAT ED DOWNS	ROOT PRUNE	OTHER
6326 GAGE AVE	15	5	75										1
6306 GAGE AVE	12	5											R/R PORTION OF THE DRIVEWAY
6300 GAGE AVE	8	5											R/R PORTION OF THE DRIVEWAY
STLY SIDE SCHOOL	21	7	147										CROSS STREET FROM 6221 ST
SCHOOL	8	5	40										
AT RANDOLPH EAST SIDE													1
ALONG SOUTH BOUND													
6209 shopping center	25	12	300										18 * 10 road way repair
6221	15	4	60										prune tree
6221	15	4	60										prune tree
6222	8	4	32										56x10, roadway repair
6227				16	7	112	16						56x17, roadway repair
6231				16	7	112	16						repair trench 30 * 5 & 18*12 & 1 WW
6235				16	7	112	16						10x56 roadway repair
6247- 6253	30	4	120	26	7	182	26						
6253	4	4	16										1
6301	17	4	68	16	7	112	16						prune tree
6301	8	4	32										prune tree
6309				16	7	112	16						prune tree
6321	26	4	104	16	7	112	16						prune tree
6327	18	4	72	16	7	112	16						prune tree
west side / so. Bound from Gage to Florence													
first alley so of Gage													2
6421 state st													repair road 50 * 16
6503 state st				16	7	112	16						
6509													2
AT zoe intersection													
6617 state st	16	4	64	16	7	112	16						2
6611 state st	20	4	80										
6621 state st	20	4	80										
6709 state st	20	4	80										
6805 state st	16	4	64	16	7	112	16						
6813 state st	16	4	64										
6835 state st	65	4	260										2
AT saturn west side													
6911	42	4	168										2
6915	13	4	52										2
AT mission median													
first day south of mission	12	4	48										2
6421 state st													
6503 state st				16	7	112	16						800
6509													14
AT zoe intersection													
6617 state st	16	4	64	16	7	112	16						2
6611 state st	20	4	80										
6621 state st	20	4	80										
6709 state st	20	4	80										
6805 state st	16	4	64	16	7	112	16						
6813 state st	16	4	64										
6835 state st	65	4	260										2
AT saturn west side													
6911	42	4	168										2
6915	13	4	52										2
AT mission median													
first day south of mission	12	4	48										2
AT BERSON INTERSECTION													
7065 STATE ST	20	4	80										170
AT PULASKA INTERSECTION													
67 S.O./MISSION													100
Intersection of State and Randolph													
Intersection of State and Gage, north side													1800
In front of first alley north of Florence													6858
Intersection of State and Florence north side													800
TOTAL			4,666			2720	378						2

STATE ST. CONCRETE AND MISCELLANEOUS WORK - HUD FUNDED (CONTINUED)

CITY OF HUNTINGTON PARK													
STATE STREET/ CONCRETE AND MISCELLANEOUS WORK													
FROM RANDOLPH AVE TO FLORENCE AVE													
ADDRESS	LENGTH	SIDE WALK WIDTH	TOTAL	DRIVEWAY LENGTH	DRIVEWAY WIDTH	TOTAL	8" CURB ONLY(LF)	10" PCC BOXES	PULL RAMPS	CURB RAMPS	TRUNCAT ED DOWNS	ROOT PRUNE	OTHER
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SCHOOL	8	5	40										
AT RANDOLPH EAST SIDE													1
ALONG SOUTH BOUND													
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6253	4	4	16										1
6301	17	4	68	16	7	112	16						prune tree
6301	8	4	32										prune tree
6309				16	7	112	16						prune tree
6321	26	4	104	16	7	112	16						prune tree
6327	18	4	72	16	7	112	16						prune tree
west side / so. Bound from Gage to Florence													
first alley so of Gage													2
6421 state st													repair road 50 * 16
6503 state st				16	7	112	16						800
6509													14
AT zoe intersection													
6617 state st	16	4	64	16	7	112	16						2
6611 state st	20	4	80										
6621 state st	20	4	80										
6709 state st	20	4	80										
6805 state st	16	4	64	16	7	112	16						
6813 state st	16	4	64										
6835 state st	65	4	260										2
AT saturn west side													
6911	42	4	168										2
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AT mission median													
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AT BERSON INTERSECTION													
7065 STATE ST	20	4	80										170
AT PULASKA INTERSECTION													
67 S.O./MISSION													100
Intersection of State and Randolph													
Intersection of State and Gage, north side													1800
In front of first alley north of Florence													6858
Intersection of State and Florence north side													800
TOTAL			4,666			2720	378						2

MIDDLETON AVE. CONCRETE AND MISCELLANEOUS WORK - HUD FUNDED

CITY OF HUNTINGTON PARK													
CONCRETE AND MISCELLANEOUS WORK FOR MIDDLETON AVENUE													
MIDDLETON AVE													
ADDRESS	LENGTH	SIDE WALK WIDTH	TOTAL	DRIVEWAY LENGTH	DRIVEWAY WIDTH	TOTAL	8" C&G (LF)	CURB RAMPS	10' PCC BOXES	10' PCC	TRUNCAT ED DOWNS	ROOT PRUNE	OTHER
6822 MIDDLETON AV	18	4	72	18	5	90	18						
6722 MIDDLETON AV	18	4	72	18	5	90	18						
6710 MIDDLETON AV													
AT ZOE INTERSECTION													
AT NLY SIDE OF SCHOOL													30
6400 MIDDLETON AV													15
6421 MIDDLETON AV													0
6507 MIDDLETON AV	16	4	64	16	5	80	16						1
6507 MIDDLETON AV	16	4	64	16	5	80	16						
6515 MIDDLETON AV	16	4	64	16	5	80	16						
6521 MIDDLETON AV	16	4	64	16	5	80	16						
TOTAL			400			500	174						4

CITY OF HUNTINGTON PARK
PUBLIC WORKS & ENGINEERING DEPARTMENT
VARIOUS STREET IMPROVEMENT PROJECT

CONCRETE AND MISCELLANEOUS WORK
STATE STREET AND MIDDLETON AVE.

SHEET 5 OF 5 SHEETS

DWG. NO. C-5



3060 Salem Street, Suite 250
Tel: (714) 940-0100
Fax: (714) 940-0700
www.infrastructure-engineers.com

DESIGNED BY: H. HENEN
DRAINED BY: B. BOUTROS
CHECKED BY: H. HENEN
DATE:

APPROVED:

DANIEL HERNANDEZ - DIRECTOR OF PUBLIC WORKS

DATE

UNDER THE SUPERVISION OF:





**CITY OF HUNTINGTON PARK
CALIFORNIA**

**CONTRACT DOCUMENTS
SPECIFICATIONS AND STANDARD DRAWINGS**

FOR

VARIOUS STREET IMPROVEMENT PROJECT

FY 2018/2019

PROJECT No. 2018-19

**JHONNY PINEDA – MAYOR
KARINA MACIAS – VICE MAYOR
GRACIELA ORTIZ – COUNCILMEMBER
MARILYN SANABRIA – COUNCILMEMBER
MANUEL “MANNY” CALLU – COUNCILMEMBER**

**RICARDO REYES - CITY MANAGER
BRUNO CALLU- DIRECTOR OF PUBLIC WORKS
DANIEL HERNANDEZ. – CITY ENGINEER**

PREPARED BY:



3060 Saturn Street., Suite 250
Brea, CA 92821
Tel: 714-940-0100 Fax: 714-940-0700

Bid Opening: September 18, at 11:10 AM

VARIOUS STREET IMPROVEMENT PROJECT

**FY 2018/2019
PROJECT NO. 2018-19**

IN THE CITY OF HUNTINGTON PARK

BID SCHEDULE

- Mandatory Pre Bid Meeting - September 05, 2018 at 10: 00 AM
- Bid Opening - September 12, 2018 at 11:10 AM

Proposals will be received at the office of the City Clerk, City Hall, City of Huntington Park , 6550 Miles Ave., Huntington Park, CA 90255 until **11:10 AM on September 12, 2018**

Draft

These Specifications have been prepared
under the direction of:

Hany Henein, P.E., L.S.



**CITY OF HUNTINGTON PARK
CALIFORNIA**

TO PROSPECTIVE BIDDERS:

The City of HUNTINGTON PARK invites you to become a prospective bidder on one of its public Works Projects. It is the City's intention to provide you with thorough and complete information regarding this project and to present an accurate description of the necessary work so that you may successfully bid and construct the project.

Submittal of your bid will be a proof that you have made a thorough and complete investigation of the project site and that you have discovered no apparent discrepancies between the scope of work set forth in the plans and specifications and the actual field conditions.

If there are any questions regarding this project, please contact the Project Engineer's office at (323) 584-6346 or by email coldan@infengr.com

Daniel Hernandez
Director of Public Works

VARIOUS STREET IMPROVEMENT PROJECT

**FY 2018/2019
PROJECT NO. 2018-19**

IN THE CITY OF HUNTINGTON PARK

TABLE OF CONTENTS

NOTICE INVITING SEALED BIDS	A-1 to A-2
INSTRUCTIONS TO BIDDERS	B-1 to B-3
PROPOSAL	C-1 to C-11
CONTRACT AGREEMENT	D-1 to D-6
GENERAL SPECIFICATIONS	E-1 to E-3
SPECIAL PROVISIONS	
PART 1 - GENERAL PROVISIONS	GP-1 to GP-14
PART 2 – BID ITEM DESCRIPTION	BD-1 to BD-25
STANDARD PLANS	APPENDIX “A”
DEPARTMENT OF INDUSTRIAL RELATIONS (DIR) CONTRACTOR REGISTRATION NUMBER FORM	APPENDIX “B”
PROJECT SIGN	APPENDIX “C”

NOTICE INVITING SEALED BIDS

FOR

**VARIOUS STREET IMPROVEMENT PROJECT
FY 2018/2019
PROJECT NO. 2018-19**

IN THE CITY OF HUNTINGTON PARK

PUBLIC NOTICE IS HEREBY GIVEN that the City of HUNTINGTON PARK as AGENCY, invites sealed bids for the above stated project and will receive such bids in the offices of the City Clerk, 1600 West Beverly Boulevard, HUNTINGTON PARK, California 90640, up to the hour of **11:10 a.m. on September 12, 2018**. They will be publicly opened in the City Council Chambers at **11:10 a.m.** on the above date.

Copies of the contract documents are available on the City's website. In order to be on the Plan holder List for this project, each bidder must submit a Bidders Information Sheet to croidan@infengr.com Bids will not be accepted unless the bidder is on the Plan holder List. All questions from plan holders, are to be posted on the website and copied to the above email address.

To comply with SB 854, beginning January 1, 2015 the following applies:

1. No contractor or subcontractor may be listed on a bid proposal for public works project (submitted on or after March 1, 2015) unless registered with the Department of Industrial Relations (DIR) pursuant to Labor Code section 1725.5 [with limited exceptions from this requirement for bid purposes only under Labor Code section 1771.1(a)].
2. No contractor or subcontractor may be awarded a contract for public works on a public works project awarded on or after April 1, 2015, unless registered with the DIR.
3. The project is subject to compliance monitoring and enforcement by the DIR.
4. Require the prime contractor to post job site notices prescribed by regulation (regulation not created yet) or the City must post the notices itself.

The Contractor shall fill in the Department of Industrial Relations (DIR) Contractor Registration Number Form provided in Appendix "B" and submit it with the sealed Bid.

The AGENCY hereby affirmatively ensures that minority business enterprises will be afforded full opportunity to submit bids in response to this notice and will not be discriminated against on the basis of race, color, national origin, ancestry, sex, marital status or religion in any consideration leading to the award of contract.

In entering into a public works contract, or subcontract, to supply goods, services, or materials pursuant to a public works contract, the Contractor, or the Subcontractors, offers and agrees to

assign to the awarding body all rights, title and interest in, and to, all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Section 15) or under the Cartwright Act (Chapter 2 [commencing with Section 16700] of Part 2 of Division 7 of the Business and Professions Code), arising from purchases of goods, services, or materials pursuant to the public work contract or the subcontract. This assignment shall be made and become effective as the time the awarding body tenders final payment to the Contractor, without further acknowledgement by the parties.

Bids must be prepared on the approved Proposal forms in conformance with the "Instructions to Bidders" and submitted in a sealed envelope plainly marked on the outside. The bid must be accompanied by certified or cashier's check, or bidder's bond, made payable to the AGENCY for an amount no less than ten percent of the amount bid.

Bidders must hold a valid California Class A Contractor's License.

Mandatory Pre- Bid Meeting:

This project is subject to Federal Requirements, a mandatory Pre- Bid Meeting shall be held on September 5, 2018 at 10:00 AM at the City Hall, Prospective Bidders shall report to the reception Desk and no bids shall be accepted if the bidders did not attend to said meeting.

No bid will be accepted from a Contractor who has not been licensed in accordance with provisions of the Business and Professions Code. The successful Contractor and his subcontractors will be required to possess business licenses from the City.

The AGENCY will deduct **five percent (5%)** retention from all progress payments as specified in Section 9-3.2 of these Specifications. The Contractor may substitute an escrow holder surety of equal value to the retention and the Contractor shall be beneficial owner of the surety and shall receive any interest thereon.

The AGENCY reserves the right to reject any or all bids, to waive any irregularity and to take all bids, under advisement for a period of sixty (60) days.

The contract period for this project is **one hundred and twenty (120) days** from the effective date of the Notice-to-Proceed to be issued by the City.

BY ORDER OF: The City of HUNTINGTON PARK, California

Donna Schwartz, City Clerk

INSTRUCTIONS TO BIDDERS
FOR
VARIOUS STREET IMPROVEMENT PROJECT
PROJECT NO. 2018-19
IN THE CITY OF HUNTINGTON PARK

PROPOSAL FORMS

Bids shall be submitted in writing on the Proposal forms provided by the AGENCY. All information requested therein must be clearly and legibly set forth in the manner and form indicated. The AGENCY will not consider any proposal not meeting these requirements.

PROPOSAL GUARANTEE

Proposals must be accompanied by a proposal guarantee consisting of a certified or cashier's check or bid bond payable to the AGENCY in the amount not less than ten percent of the total amount bid. Any proposal not accompanied by such a guarantee will not be considered. If a bidder to whom a contract is awarded fails or refuses to execute the contract documents or furnish the required insurance policies and bonds as set forth in those documents, the proposal guarantee shall be forfeited to the AGENCY. The proposal guarantees of all bidders will be held until the successful bidder has properly executed all contract documents.

DELIVERY OF PROPOSAL

Two (2) copies of the proposal shall be enclosed in a sealed envelope plainly marked on the outside, **VARIOUS STREET IMPROVEMENT PROJECT**

FY 2018/2019, PROJECT NO. 2018-19, IN THE CITY OF HUNTINGTON PARK – DO NOT SEND WITH REGULAR MAIL. Proposals may be mailed AND RETURN RECEIPT is required or delivered by messenger. However, it is the bidder's responsibility alone to ensure delivery of the proposal to the hands of the AGENCY'S Purchasing Officials prior to the bid opening hour stipulated in the Notice Inviting Sealed Bids. Late proposals will not be considered.

WITHDRAWAL OF PROPOSALS

A proposal may be withdrawn by a written request signed by the bidder. Such requests must be delivered to the AGENCY's designated official prior to the bid-opening hour stipulated in the Notice Inviting Sealed Bids. Proposals may not be withdrawn after said hour without forfeiture of the proposal guarantee. The withdrawal of the proposal will not prejudice the right of the bidder to submit a new proposal, providing there is time to do so.

IRREGULAR PROPOSALS

Unauthorized conditions, limitations, or provisions attached to a proposal will render it irregular and may cause its rejection. The completed proposal forms shall be without interlineations, alterations, or erasures. Alternative proposals will not be considered unless specifically requested. No oral, telegraphic, telephonic, facsimile or electronic proposal, modification or withdrawal will be considered.

TAXES

No mention shall be made in the proposal of Sales Tax, Use Tax, or any other tax, as all amounts bid will be deemed and held to include any such taxes, which may be applicable.

DISQUALIFICATION OF BIDDERS

In the event that any bidder acting as a prime contractor has an interest in more than one proposal, all such proposals will be rejected, and the bidder will be disqualified. This restriction does not apply to subcontractors or suppliers who may submit quotations to more than one bidder, and while doing so, may also submit a formal proposal as a prime contractor. No proposal will be accepted from a bidder who has not been licensed in accordance with the provisions of the State Business and Professions Code.

DISCREPANCIES AND MISUNDERSTANDINGS

Bidders must satisfy themselves by personal examination of the work site, Plans, Specifications, and other contract documents and by any other means as they may believe necessary, as to the actual physical conditions, requirements and difficulties under which the work must be performed. No bidder shall at any time after submission of a proposal make any claim or assertion that there was any misunderstanding or lack of information regarding the nature or amount of work necessary for the satisfactory completion of the job. Any errors, omissions, or discrepancies found in the Plans, Specifications, or other contract documents shall be called to the attention of the AGENCY and clarified prior to the submission of proposals.

EQUIVALENT MATERIALS

Although the bidder may believe that by use of a different material than that specified on/in the plans and specifications, a lower cost project/bid may result. The bidder is to bid the project on the basis of using the material(s) as named keeping in mind that all materials named herein by manufacturer is not to prohibit the bidder considering using in his bid what he consider to be an equal material except where the AGENCY has designated a sole product. Once the bids have been opened the successful Contractor may discuss with the AGENCY the use of another product; which may result in a determination by the AGENCY that the other product is equal and possibly that by the AGENCY allowing the use of the Contractor proposed equal that a change in the contract amount may result.

LEGAL RESPONSIBILITIES

All proposals must be submitted, filed, made, and executed in accordance with State and Federal laws relating to bids for contracts of this nature whether the same or expressly referred to herein or not. Any bidder submitting a proposal shall by such action thereby agree to each and all of the terms, conditions, provisions, and requirements set forth, contemplated, and referred to in the Plans, Specifications, and other contract documents, and to full compliance therewith.

AWARD OF CONTRACT

The award of contract, if made, will be to the lowest responsible bidder as determined solely by the AGENCY. Additionally, the AGENCY reserves the right to accept or reject any or all proposals, to waive any irregularity, and to make an award as may best serve the interests of the AGENCY.

SURETY BOND PERIOD

Surety Faithful Performance Bond shall be maintained for one (1) year after completion of project construction.

Draft

PROPOSAL
FOR
VARIOUS STREET IMPROVEMENT PROJECT
FY 2018/2019
PROJECT NO. 2018-19
IN THE CITY OF HUNTINGTON PARK

TO THE CITY OF HUNTINGTON PARK, as AGENCY

In accordance with AGENCY's Notice Inviting Sealed Bids, the undersigned BIDDER hereby proposes to furnish all materials, equipment, tools, labor, and incidentals required for the above stated project as set forth in the Plans, Specifications, and contract documents therefor and to perform all work in the manner and time prescribed therein.

BIDDER declares that this proposal is based upon careful examination of the work site, Plans, Specifications, Instruction to Bidders, and all other contract documents. If this proposal is accepted for award, BIDDER agrees to enter into a contract with AGENCY at the unit and/or lump sum prices set forth in the following Bid Schedule. BIDDER understands that failure to enter into a contract in the manner and time prescribed will result in forfeiture to AGENCY of the guarantee accompanying this proposal. This bid may not be withdrawn within a period of sixty (60) days after the date of its proper opening by the City.

BIDDER understands that a bid is required for the entire work and that the estimated quantities set forth in the Bid Schedule are solely for the purpose of comparing bids, and that final compensation under the contract will be based upon the actual quantities of work satisfactorily completed. THE AGENCY RESERVES THE RIGHT TO INCREASE OR DECREASE THE AMOUNT OF ANY QUANTITY SHOWN AND TO DELETE ANY ITEM FROM THE CONTRACT. It is agreed that the unit and/or lump sum prices bid include all appurtenant expenses, taxes, royalties, and fees. In the case of discrepancies in the amounts bid, unit prices shall govern over extended amounts, and words shall govern over figures.

If awarded the Contract, the undersigned further agrees that in the event of the BIDDER's default in executing the required contract and filing the necessary bonds and insurance certificates within ten working days after the date of the AGENCY's notice of award of contract to the BIDDER, the proceeds of the security accompanying this bid shall become the property of the AGENCY and this bid and the acceptance hereof may, at the AGENCY'S option, be considered null and void.

BID PROPOSAL

FOR

**VARIOUS STREET IMPROVEMENT PROJECT
FY 2018/2019
PROJECT NO. 2018-19**

IN THE CITY OF HUNTINGTON PARK

The undersigned declares that he has carefully examined the location of the proposed work, that he has examined the specifications and read the accompanying instructions to bidders, and hereby proposes to do all the work in accordance with said specifications for the amounts set forth below:

Construct improvements as reiterated above, located in the City of HUNTINGTON PARK, California, in accordance with the specifications for the unit price set forth in the following items:

SCHEDULE “A” HUD FUNDED

ITEM NO.	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	EXTENDED AMOUNT
1	Mobilization/ Demobilization (Not to exceed 3% of total of all other prime contract Bid Items)	LS	1		
2	Traffic Control	LS	1		
3	Sawcut, Remove and Replace Existing Concrete Sidewalk	SF	8550		
4	Sawcut, Remove and Replace Existing Concrete Curb and Gutter (8" CF)	LF	650		
5	Sawcut, Remove and Replace Existing Concrete Curb Only (8" CF)	LF	400		
6	Sawcut, Remove and Replace Existing Concrete Driveway Approach	SF	6200		
7	Remove and replace 8" to 10" Thick PCC	SF	18300		
8	Cold Mill Existing AC Pavement 2" Deep	SY	636600		
9	Cold Mill Existing AC Pavement 1.5" Deep	SY	0		
10	Sawcut, Remove 4" of existing and Install 4" thick of conventional AC	SF	0		
11	Sawcut, Remove and Replace Existing Concrete Curb Ramp	EA	87		
12	Provide and Install Detectable Warning Surfaces.	EA	61		
13	Construct ARHM Overlay (2" Thick)	TON	7830		

ITEM NO.	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	EXTENDED AMOUNT
14	Install Conventional AC	TON	63		
15	Adjust Existing Storm Drain/ Sewer/Utility Manhole Frames and Covers to Finished Grade	EA	53		
16	Install Slurry Seal Type II with Latex 3%	ELT	0		
17	Adjust Existing Water Valve AND Surveying Monument Cans and Covers to Finished Grade	EA	105		
18	Adjust Water Meter Boxes/Street light Pull boxes to Finished Grades	EA	24		
19	Install Public Improvement Project Signs	EA	2		
20	Traffic Signing, Striping, Markings and Curb Painting, including thermoplastic customized cross walk at two intersections.	LS	1		
21	Provide Construction Survey	LS	1		
22	install traffic loops detector, Type E and connect to DLC	EA	47		
23	Provide Soil and Pavement Testing Services as Needed - Allowance	LS		\$ 15,000.00	
24	Remove tree stumps	EA	4		
25	Prune tree and install 10 ft long and 18" barrier	EA	11		
TOTAL AMOUNT SCHEDULE "A" BID IN FIGURES					\$

SCHEDULE "B" MEASURE "M" AND "S" FUNDED

ITEM NO.	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	EXTENDED AMOUNT
1	Mobilization/ Demobilization (Not to exceed 3% of total of all other prime contract Bid Items)	LS	1		
2	Traffic Control	LS	1		
3	Sawcut, Remove and Replace Existing Concrete Sidewalk	SF	3815		
4	Sawcut, Remove and Replace Existing Concrete Curb and Gutter (8" CF)	LF	455		
5	Sawcut, Remove and Replace Existing Concrete Curb Only (8" CF)	LF	0		

ITEM NO.	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	EXTENDED AMOUNT
6	Sawcut, Remove and Replace Existing Concrete Driveway Approach	SF	1762		
7	Remove and replace 8" to 10" Thick PCC	SF	0		
8	Cold Mill Existing AC Pavement 2" Deep	SY	622785		
9	Cold Mill Existing AC Pavement 1.5" Deep	SY	116274		
10	Sawcut, Remove 4" of existing and Install 4" thick of conventional AC	SF	3717		
11	Sawcut, Remove and Replace Existing Concrete Curb Ramp	EA	57		
12	Provide and Install Detectable Warning Surfaces.	EA	13		
13	Construct ARHM Overlay (2" Thick)	TON	6409		
14	Install Conventional AC	TON	2472		
15	Adjust Existing Storm Drain/ Sewer/Utility Manhole Frames and Covers to Finished Grade	EA	38		
16	Install Slurry Seal Type II with Latex 3%	ELT	87		
17	Adjust Existing Water Valve AND Surveying Monument Cans and Covers to Finished Grade	EA	78		
18	Adjust Water Meter Boxes/Street light Pull boxes to Finished Grades	EA	0		
19	Install Public Improvement Project Signs	EA	2		
20	Traffic Signing, Striping, Markings and Curb Painting, including thermoplastic customized cross walk at two intersections.	LS	1		
21	Provide Construction Survey	LS	1		
22	install traffic loops detector, Type E and connect to DLC	EA	15		
23	Provide Soil and Pavement Testing Services as Needed - Allowance	LS	1	\$ 15000	
24	Remove tree stumps	EA	2		
25	Prune tree and install 10 ft long and 18" barrier	EA	5		
TOTAL AMOUNT SCHEDULE "B" BID IN FIGURES					\$

TOTAL COST SUMMATION OF SCHEDULE "A" AND "B"

SCHEDULE "A"	\$
SCHEDULE "B"	\$
TOTAL COST COMBINED "A" AND "B"	\$

Contract will be awarded based on the lowest credible bid inclusive of total cost of schedule "A" plus "B" and not based on schedule "A" or "B" only.

TOTAL COST SUMMATION OF SCHEDULE "A" plus "B" BIDS IN WORDS:

_____ Dollars

Bidder's Signature

Title

Company Name

Draft

REFERENCES

The following are the names, addresses, and telephone numbers for three public agencies for which BIDDER has performed similar work within the past two years:

1. _____
Name and Address of Agency

Name and telephone number of person familiar with project

Contract amount	Type of work	Date completed
-----------------	--------------	----------------

2. _____
Name and Address of Agency

Name and telephone number of person familiar with project

Contract amount	Type of work	Date completed
-----------------	--------------	----------------

3. _____
Name and Address of Agency

Name and telephone number of person familiar with project

Contract amount	Type of work	Date completed
-----------------	--------------	----------------

Draft

The following are the names, addresses, and telephone numbers of all brokers and sureties from whom BIDDER intends to procure insurance and bonds:

EQUAL EMPLOYMENT OPPORTUNITY COMPLIANCE

BIDDER certifies that in all previous contracts or subcontractors, all reports which may have been due under the requirements of any AGENCY, State, or Federal equal employment opportunity orders have been satisfactorily filed, and that no such reports are currently outstanding.

AFFIRMATIVE ACTION CERTIFICATION

BIDDER certifies that affirmative action has been taken to seek out and consider minority business enterprises for those portions of the work to be subcontracted, and that such affirmative actions have been fully documented, that said documentation is open to inspection, and that said affirmative action will remain in effect for the life of any contract awarded thereunder. Furthermore, BIDDER certifies that affirmative action will be taken to meet all equal employment opportunity requirements of the contract documents.

NON-COLLUSION AFFIDAVIT

BIDDER declares that the only persons or parties interested in this proposal as principals are those named herein; that no officer, agent, or employee of the AGENCY is personally interested, directly or indirectly, in this proposal; that this proposal is made without connection to any other individual, firm, or corporation making a bid for the same work and that this proposal is in all respects fair and without collusion or fraud.

Draft

BIDDER'S INFORMATION

BIDDER certifies that the following information is true and correct:

Bidder's Name _____

Business Address: _____

Telephone _____

State Contractor's License No. and Class: _____

Original Date Issued _____ Expiration Date _____

The following are the names, titles, addresses, and phone numbers of all individuals, firm members, partners, joint ventures, and/or corporate officers having a principal interest in this proposal:

The date of any voluntary or involuntary bankruptcy judgments against any principal having an interest in this proposal is as follows:

All current and prior DBA's, alias, and/or fictitious business names for any principal having an interest in this proposal are as follows:

IN WITNESS WHEREOF, BIDDER executes and submits this proposal with the names, title, hands, and seals of all forenamed principals this _____ day of _____, 20__.

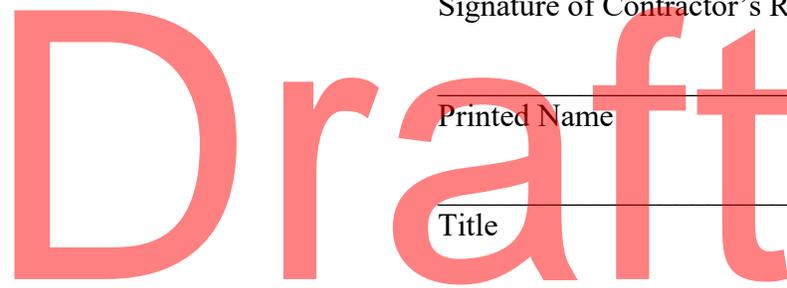
BIDDER _____

The undersigned declares under penalty of perjury under the laws of the State of California that the representations made hereto are true and correct.

Signature of Contractor's Representative

Printed Name

Title



Subscribed and sworn to this _____ day of _____, 20__.

NOTARY PUBLIC _____

Note: The standard printed bid bond form of any bonding company acceptable to the City of HUNTINGTON PARK may be used in lieu of the following approved sample bond form, provided the security stipulations protecting the City of HUNTINGTON PARK are not in any way reduced by use of the surety company's printed standard form.

PROPOSAL GUARANTEE
BID BOND

FOR

**VARIOUS STREET IMPROVEMENT PROJECT
FY 2018/2019
PROJECT NO. 2018-19**

IN THE CITY OF HUNTINGTON PARK

KNOW ALL MEN BY THESE PRESENTS that _____
_____, as BIDDER, and _____
_____, as SURETY, are held and firmly
bound unto the City of HUNTINGTON PARK, as AGENCY, in the penal sum of

_____ dollars (\$ _____), which is ten percent of the
total amount bid by BIDDER to AGENCY for the above stated project, for the payment of which
sum, BIDDER and SURETY agree to be bound, jointly and severally, firmly be these presents.

THE CONDITIONS OF THIS OBLIGATION ARE SUCH that, whereas BIDDER is about to
submit a bid to AGENCY for the above stated project, if said bid is rejected, or if said bid is
accepted and a contract is awarded and entered into by BIDDER in the manner and time specified,
then this obligation shall be null and void, otherwise it shall remain in full force and effect in favor
of AGENCY.

IN WITNESS WHEREOF the parties hereto have set their names, titles, hands, and seals, this
_____ day of _____, 20____.

BIDDER* _____

SURETY* _____

Subscribed and sworn to this _____ day of _____, 20____.

NOTARY PUBLIC _____

*Provide BIDDER/SURETY name, address and telephone number and the name, title, address
and telephone number of authorized representative.

BIDDER'S VIOLATION OF LAW/SAFETY QUESTIONNAIRE

FOR

VARIOUS STREET IMPROVEMENT PROJECT

**FY 2018/2019
PROJECT NO. 2018-19**

IN THE CITY OF HUNTINGTON PARK

In accordance with Government Code Section 14310.5, the BIDDER shall complete, under penalty of perjury, the following questionnaire.

QUESTIONNAIRE

Has the Bidder, any officer of the bidder or any employee of the Bidder who has a proprietary interest in the Bidder ever been disqualified, removed or otherwise prevented from bidding on or completing a Federal, State or local government project because of a violation of law or a safety regulation?

Yes _____

No _____

If the answer is yes, explain the circumstances in the space provided.

Draft

Note: The following is to be used in case cash, a cashier's check or a certified check accompanies the proposal.

PROPOSAL GUARANTEE
CASH, CASHIER'S CHECK, OR CERTIFIED CHECK

FOR

**VARIOUS STREET IMPROVEMENT PROJECT
PROJECT NO. 2018-19**

IN THE CITY OF HUNTINGTON PARK

Accompanying this proposal is a certified check, a cashier's check, or bidder's bond payable to the order of the City of HUNTINGTON PARK, or cash in the amount of

_____ Dollars
(\$ _____).

The proceeds of the same shall become the property of said City if, in case this proposal shall be accepted by said City through the City Council, the undersigned shall fail to execute a contract, with and furnish the insurance and bonds required by the City of HUNTINGTON PARK within the specified time; otherwise, the same is to be returned to the undersigned as set forth in the Instructions to Bidders.

Draft

Bidder

CONTRACT AGREEMENT

FOR

VARIOUS STREET IMPROVEMENT PROJECT

**FY 2018/2019
PROJECT NO. 2018-19**

IN THE CITY OF HUNTINGTON PARK

This Contract Agreement is made and entered into for the above stated project this _____ day of _____, 20____. BY AND BETWEEN the City of HUNTINGTON PARK, as AGENCY, _____ and

_____ as CONTRACTOR. WITNESSETH that AGENCY and CONTRACTOR have mutually agreed as follows:

ARTICLE I

The contract documents for the aforesaid project shall consist of the Notice Inviting Sealed Bids, Instructions to Bidders, Proposal, General Specifications, Standard Specifications, Special Provisions, Plans, and all referenced specifications, details, standard drawings, and appendices, together with this Contract Agreement and all required bonds, insurance certificates, permits, notices, and affidavits; and also including any and all addenda or supplemental agreements clarifying, or extending the work contemplated as may be required to insure its completion in acceptable manner. All of the provisions of said contract documents are made a part hereof as though fully set forth herein.

ARTICLE II

For and in consideration of the payments and agreements to be made and performed by AGENCY, CONTRACTOR agrees to furnish all materials and perform all work required for the above stated project, and to fulfill all other obligations as set forth in the aforesaid contract documents.

ARTICLE III

CONTRACTOR agrees to receive and accept the unit or lump sum prices set forth in the Proposal as full compensation for furnishing all materials, performing all work, and fulfilling all obligations hereunder. Said compensation shall cover all expenses, losses, damages, and consequences arising out of the nature of the work during its progress or prior to its acceptance including those for well and faithfully completing the work and the whole thereof in the manner and time specified in the aforesaid contract documents; and also including those arising from actions of the elements, unforeseen difficulties or obstructions encountered in the prosecution of the work, suspension or discontinuance of the work, and all other unknowns or risks of any description connected with the work.

ARTICLE IV

AGENCY hereby promises and agrees to employ, and does hereby employ, CONTRACTOR to provide the materials, do the work and fulfill the obligations according to the terms and conditions herein contained and referred to, for the prices aforesaid, and hereby contracts to pay the same at the time, in the manner, and upon the conditions set forth in the contract documents.

ARTICLE V

CONTRACTOR acknowledges the provisions of the State Labor Code requiring every employer to be insured against liability for worker's compensation, or to undertake self-insurance in accordance with the provisions of that code, and certifies compliance with such provisions.

ARTICLE VI

CONTRACTOR agrees to indemnify, defend and hold harmless AGENCY and all of its officers and agents from any claims, demand, or causes of action, including related expenses, attorney's fees, and costs, based on, arising out of, or in any way related to the work undertaken by CONTRACTOR hereunder

ARTICLE VII

CONTRACTOR affirms that the signatures, titles, and seals set forth hereinafter in execution of this Contract Agreement represent all individuals, firm members, partners, joint venturers, and/or corporate officers having principal interest herein.

ARTICLE VIII

CONTRACTOR shall take and assume all responsibility for the work. CONTRACTOR shall bear all losses and damages directly or indirectly resulting to him, to the City, or to others on account of the performance under this contract, or the character of the work, accidents or any other causes whatsoever.

CONTRACTOR shall assume the defense and indemnify and save harmless the City, its officers, employees and Engineer from all claims, loss, damage, injury and liability of every kind, nature and description, directly or indirectly arising from performance of this contract or work, regardless of responsibility for negligence; from any and all claims, loss, damage, injury, and liability, howsoever the same may be caused, resulting directly or indirectly from the nature of the work covered by this contract, or CONTRACTOR's performance thereunder, regardless of responsibility for negligence.

ARTICLE IX

STATE LABOR CODE. Contractor agrees to abide by the provisions of the State Labor Code, and to comply with the prevailing rates of wages and apprenticeship employment standards established by the State Director of Industrial Relations and /or the requirements of the federal government and applicable federal wage rates.

The total contract price of this agreement is \$ _____ based on estimated quantities given on the Bid Sheet.

ARTICLE X

The total contract construction period for this project is **one hundred and twenty (120) days** from the effective date of Notice-to-Proceed to be issued by the AGENCY.

ARTICLE XI (PREVAILING WAGES)

(a) Contractor agrees to comply with the provisions of California Labor Code Section 1773.8, which requires the payment of travel and subsistence payments to each worker needed to execute the work to the extent required by law.

(b) Contractor agrees to comply with the provisions of California Labor Code Sections 1774 and 1775 concerning the payment of prevailing rates of wages to workers and the penalties for failure to pay prevailing wages. The Contractor shall, as a penalty to the Agency, forfeit no more than fifty dollars (\$50) for each calendar day, or portion thereof, for each worker paid less than the prevailing rates as determined by the Director of Industrial Relations for the work or craft in which the worker is employed for any public work done under the contract by Contractor or by a subcontractor.

(c) Contractor agrees to comply with the provisions of California Labor Code Section 1776 which requires Contractor and each subcontractor to (i) keep accurate payroll records, (ii) certify and make such payroll records available for inspection as provided by Section 1776, and (iii) inform the Agency of the location of the records. The Contractor is responsible for compliance with Section 1776 by itself and all of its subcontractors.

(d) Contractor agrees to comply with the provisions of California Labor Code Section 1777.5 concerning the employment of apprentices on public works projects, and further agrees that the Contractor is responsible for compliance with Section 1777.5 by itself and all of its subcontractors.

(e) Contractor agrees to comply with the provisions of California Labor Code Section 1813 concerning penalties for workers who work excess hours without approval of the City. The Contractor shall, as a penalty to the Agency, forfeit twenty-five dollar (\$25) for each worker employed in the execution of the contract by the Contractor or by any subcontractor for each calendar day or portion thereof during which such worker is required or permitted to work more than 8 hours in any one calendar day and 40 hours in any one calendar week in violation of the provisions of Division, 2, Part 7, Chapter 1, Article 3 of the California Labor Code. The Contractor may, with the approval of the City Engineer, use his employees to carry out work on the project beyond the normal eight (8) hour workday and on Saturdays, Sundays and Holidays provided the employees are paid at the following hourly rates:

For Daytime Work

- Week days (Monday through Fridays) after eight (8) hours daily and not to exceed twelve (12) hours daily total per day and not exceeding forty-eight (48) hours work in a seven (7) day period week at one and one-half (1.5) times the prevailing hourly wage for the initial eight (8) hours of regular work time for the time worked after the initial eight (8) hours regular time.
- Saturdays, Sundays and Holidays for time worked after forty (40) hours of regular work time in a seven (7) day period week at the rate of two (2.0) times the prevailing hourly wage for the initial eight (8) hours of regular weekday work time and not to exceed a total of forty-eight (48) hours of work within the seven (7) day work week period.

(f) California Labor Code Sections 1860 and 3700 provide that every contractor will be required to secure the payment of compensation to its employees. In accordance with the provisions of California Labor Code Section 1861, Contractor hereby certifies as follows:

“I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for worker’s compensation or under self-insurance in accordance with the provisions of that Code, and I will comply with such provisions before commencing the performance of the work of this contract.”

ARTICLE XII (PROMPT PAYMENT)

Prompt Progress Payment to Subcontractors

Attention is directed to Section 7108.5 of the California Business and Professions Code, which requires a prime contractor or subcontractor to pay any subcontractor not later than 10 days of receipt of each progress payment, unless otherwise agreed to in writing. In addition, Federal Regulation (49 CFR 26.29) requires a prime contractor or subcontractor to pay a subcontractor no later than 30 days of receipt of each payment, unless any delay or postponement of payment among the parties takes place only for good cause and with the prior written approval of the agency. Section 7108.5 of the California Business and Professions Code also contains enforcement actions and penalties.

IN WITNESS WHEREOF the parties hereto for themselves, their heirs, executors, administrators, successors, and assigns do hereby agree to the full performance of the covenants herein contained and have caused this Contract Agreement to be executed in triplicate by setting hereunto their names, titles, hands, and seals this _____ day of _____, 20____.

CONTRACTOR: _____

(Title)

Contractor’s License No. _____

AGENCY Business License No. _____

Federal Tax Identification No.: _____

Subscribed and sworn to this _____ day of _____, 20_____.

NOTARY PUBLIC _____

AGENCY: _____

Susan Crun, Executive Assistant City Manager of the City of HUNTINGTON PARK

ATTESTED: _____

Donna Schwartz, City Clerk, City Clerk of the City of HUNTINGTON PARK

Date _____

FAITHFUL PERFORMANCE BOND
FOR

**VARIOUS STREET IMPROVEMENT PROJECT
FY 2018/2019
PROJECT NO. 2018-19**

IN THE CITY OF HUNTINGTON PARK

KNOW ALL MEN BY THESE PRESENTS that _____
_____ as CONTRACTOR and
_____, as SURETY, are held and
firmly bound unto the City of HUNTINGTON PARK, as AGENCY, in the penal sum of
_____ dollars
(\$ _____), which is one-hundred percent (100%) of the total contract amount for the above
stated project, for the payment of which sum, CONTRACTOR and SURETY agree to be bound, jointly
and severally, firmly by these presents.

THE CONDITIONS OF THIS OBLIGATION ARE SUCH that, whereas CONTRACTOR has been
awarded and is about to enter into the annexed Contract Agreement with AGENCY for the above stated
project, if CONTRACTOR faithfully performs and fulfills all obligations under the contract documents
in the manner and time specified therein, then this obligation shall be null and void, otherwise it shall
remain in full force and effect in favor of AGENCY; provided that any alterations in the obligations or
time for completion made pursuant to the terms of the contract documents shall not in any way release
either CONTRACTOR or SURETY, and notice of such alterations is hereby waived by SURETY.

IN WITNESS WHEREOF the parties hereto have set their names, titles, hands, and seals this _____
day of _____, 20_____.

CONTRACTOR* _____

SURETY* _____

Subscribed and sworn to this _____ day of _____, 20_____.

NOTARY PUBLIC _____

* Provide CONTRACTOR/SURETY name, address and telephone number and the name, title, address
and telephone number of authorized representative.

MATERIAL AND LABOR BOND
FOR
VARIOUS STREET IMPROVEMENT PROJECT

FY 2018/2019
PROJECT NO. 2018-19

IN THE CITY OF HUNTINGTON PARK

KNOW ALL MEN BY THESE PRESENTS that _____,
_____, as CONTRACTOR,
and _____, as SURETY, are
held and firmly bound unto the City of HUNTINGTON PARK, as AGENCY, in the penal sum
of

_____ dollars
(\$ _____), which is fifty percent (50%) of the total contract amount for the above stated
project, for payment of which sum, CONTRACTOR and SURETY agree to be bound, jointly and
severally, firmly by these presents.

THE CONDITIONS OF THIS OBLIGATION ARE SUCH that, whereas CONTRACTOR has
been awarded and is about to enter into the annexed Contract Agreement with AGENCY for the
above stated project, if CONTRACTOR or any subcontractor fails to pay for any labor or material
of any kind used in the performance of the work to be done under said contract, or fails to submit
amounts due under the State Unemployment Insurance Act with respect to said labor, SURETY
will pay for the same in an amount not exceeding the sum set forth above, which amount shall
inure to the benefit of all persons entitled to file claims under the State Code of Civil Procedures;
provided that any alteration made pursuant to the terms of the contract documents shall not in any
way release either CONTRACTOR or SURETY, and notice of said alterations is hereby waived
by SURETY.

IN WITNESS WHEREOF the parties have set their names, titles, hands, and seals this _____
day of _____, 20_____.

CONTRACTOR* _____

SURETY* _____

Subscribed and sworn to this _____ day of _____, 20_____.

NOTARY PUBLIC _____

* Provide CONTRACTOR/SURETY name, address and telephone number and the name, title,
address and telephone number of authorized representative.

GENERAL SPECIFICATIONS
FOR
VARIOUS STREET IMPROVEMENT PROJECT
FY 2018/2019
PROJECT NO. 2018-19

IN THE CITY OF HUNTINGTON PARK

SCOPE OF WORK

The work to be done consists of furnishing all materials, equipment, tools, labor, and incidentals to perform the work shown in the Plans, Specifications, and contract documents. The general items of work include grinding of existing AC paving, and paving of AC pavement and concrete improvement reconstruction including replacing existing curb and gutter, sidewalk, driveway approaches, access ramps, and adjustment of utility covers, traffic striping, markers, pavement markings and, curb painting and additional work that may be required by the Project Plans and Specifications/

LOCATION OF WORK

The general locations and limits of the work are as follows: SATURN AVENUE (From Alameda St. to easterly city limit), MIDDLETON AVENUE (From Saturn Ave. to Gage Ave.), STATE STREET (From Florence Ave. to Randolph Ave.), PACIFIC AVENUE (From Florence Ave. to Slauson Avenue), ARBUTUS AVENUE (From Randolph Avenue to Belgrave Ave.) MAYWOOD AVENUE (From Randolph Avenue to Slauson Avenue), LOMA VISTA AVENUE (From Randolph Avenue to Slauson Avenue), CARMELITA AVENUE (From Randolph Avenue to Slauson Avenue), FISHBURN AVENUE(From Randolph Avenue to Slauson Avenue), STAFFORD AVENUE (From Florence Avenue to Randolph Avenue) and TEMPLETON AVENUE (From Florence Avenue to Randolph Avenue).

TIME FOR COMPLETION

The Contractor shall complete all construction work in every detail within **one hundred and twenty (120) working days** after the date in the Notice to Proceed to be issued by the City for the awarded improvements.

NOTIFICATION

The Contractor shall notify the City of HUNTINGTON PARK and the owners of all utilities and substructures not less than 48 hours (2 working days) prior to starting construction. The following list of names and telephone numbers is intended for the convenience of the Contractor and is not guaranteed to be complete or correct:

CITY OF HUNTINGTON PARK DEPT OF PUBLIC WORKS (323) 582-6161

AT&T (310) 515-2429

INFRAMARK (WATER PURVEYOR)	(323) 587-5969
GOLDEN STATE (WATER PURVEYOR)	(909) 394-2272
<ul style="list-style-type: none"> • WALNUT PARK MUTUAL WATER COMPANY 	(323)585-7321
MAYWOOD MUTUAL WATER COMPANY	(323) 323)560-2439
UNITED PACIFIC WASTE (TRASH COMPANY)	(866) 699-7600
SPECTRUM	(833) 780-1880
LOS ANGELES COUNTY DEPT. OF PUBLIC WORKS Attention: Mr. Mahdad Derakhshani mderakas@dpw.lacoiunty.gov	(626) 458-7136
LOS ANGELES COUNTY SANITATION DISTRICT Attention: Ms. Christine Gurga engineeringcounter@laesd.org	(562) 908-4288 ext. 1205
SOUTHERN CALIFORNIA EDISON Attention: Ms. Regina Gonzales	(323) 720-5298
THE GAS COMPANY Attention: Mr. Luis Ramirez lramirez5@semprautilities.com	(310) 687-2090
CHEVRON Attention: Mr. Dave Zerker	(310) 669-4014
UNDERGROUND SERVICE ALERT	(800) 422-4133 Tel (909) 808-8101 Fax

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EMERGENCY INFORMATION

The names, addresses and telephone numbers of the Contractor and subcontractors, or their representatives, shall be filed with the Engineer and the City Police Department prior to beginning work.

STANDARD SPECIFICATIONS

The Standard Specifications and Standard Plans of the AGENCY are contained in the Latest Edition, including the current Supplement, of the Standard Specifications for Public Works Construction (SSPWC) and Standard Plans for Public Works Construction (SPPWC). Copies of

these Standard Specifications and Plans are available from the publisher, Building News, Incorporated, 1612 South Clementine Street, Anaheim, CA 92802, telephone (714) 517-0970.

The AGENCY also uses the Standard Specifications and plans of the State of California Department of Transportation (Caltrans) which Standard Specifications and Plans are available from Caltrans District 7, Los Angeles or Caltrans Office in Sacramento.

The Standard Specifications set forth above will control the general provisions, construction materials, and construction methods for this contract except as amended by the Plans, Special Provisions, or other contract documents. The following Special Provisions are supplementary and in addition to the provisions of the Standard Specifications unless otherwise noted and the section numbers of the Special Provisions coincide with those of the said Standard Specifications. Only those sections requiring elaboration, amendment, specifying of options, or additions are called out.

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SPECIAL PROVISIONS
FOR
VARIOUS STREET IMPROVEMENT PROJECT
FY 2018/2019
PROJECT NO. 2018-19
IN THE CITY OF HUNTINGTON PARK

TABLE OF CONTENTS

PART 1 GENERAL PROVISIONS

(NOTE: SECTION NUMBERS CORRESPOND TO THE STANDARD SPECIFICATIONS)

<u>SECTION</u>		<u>PAGE</u>
1.	TERMS, DEFINITIONS, ABBREVIATIONS AND SYMBOLS	GP-3
2.	SCOPE AND CONTROL OF THE WORK	GP-4
4.	CONTROL OF MATERIALS	GP-6
5.	UTILITIES	GP-6
6.	PROSECUTION, PROGRESS AND ACCEPTANCE OF WORK	GP-7
7.	RESPONSIBILITIES OF THE CONTRACTOR	GP-7
8.	FACILITIES FOR AGENCY PERSONNEL	GP-12
9.	MEASUREMENT AND PAYMENT	GP-13
10.	CITY STANDARDS, STANDARD PLANS & DRAWINGS	GP-14

BID ITEM DESCRIPTIONS

PART 2

BID ITEM:

1. Mobilization/ Demobilization (Not to exceed 3% of total of all other prime contract Bid Items)-BD1
2. Traffic Control-BD-3
3. Sawcut and Remove Existing Concrete Sidewalk. BD-7
4. Sawcut and Remove Existing Concrete Curb and Gutter. BD-9
5. Sawcut and Remove Existing Concrete Curb only. BD-9
6. Sawcut and Remove Existing Concrete Driveway Approach.BD
7. Remove and replace 8" to 10" thick PCCBD
8. Coldmill AC pavement 2" deep
9. Coldmill AC pavement 1.5" deep

10. Sawcut, remove 4” thick of existing and install 4” thick of conventional AC. BD-12
11. Sawcut, Remove and Replace Existing Concrete Curb Ramp. BD-17
12. Provide and Install Detectable Warning Surfaces. BD-17
13. Construct ARHM Overlay (2” thick).BD-18
14. Install conventional AC. BD-23
15. Adjust Existing Manholes to grade.BD-27
16. Install Slurry Seal Type II. BD-28
17. Adjust Water Valve and Surveying Monuments to Grade. BD-32
18. Adjust water meter and street light pull boxes to grade.BD-33
19. Install Public Improvement Project Signs. BD-33
20. Traffic Signing, Striping, Markings and Curb Painting, including thermoplastic customized crosswalk at two intersections. BD-34
21. Provide Construction Survey. BD-36
22. Install traffic loops.BD-37
23. Provide soil and pavement testing services as needed. BD-38
24. Remove tree stumps. BD-39
25. Prune tree and install barrier. BD-39

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SPECIAL PROVISIONS
PART 1 – GENERAL PROVISIONS

FOR

**VARIOUS STREET IMPROVEMENT PROJECT
FY 2018/2019
PROJECT NO. 2018-19**

IN THE CITY OF HUNTINGTON PARK

The work required to be performed for the completion of the Project shall be performed in accordance with the Standard Specifications for Public Works Construction (SSPWC), latest Edition (hereinafter referred to as the "General Provisions"), in so far as the same applies to the Project, the Standard Plans and the Contract Documents.

For purposes of this Project, the following General Provisions are amended, as follows:

SECTION 1 – TERMS, DEFINITIONS, ABBREVIATIONS AND SYMBOLS

The following additions/modifications are hereby made to Subsection 1-2 of the Standard Specifications:

1-2 DEFINITIONS

AGENCY:	City of HUNTINGTON PARK
Board:	City Council of the City of HUNTINGTON PARK
Caltrans:	State of California, Department of Transportation
County:	County of Los Angeles
Engineer:	The City Engineer of the City of HUNTINGTON PARK or his authorized representative
Federal:	United States of America
Contractor:	The word Contractor means the Contractor as defined herein or his authorized representative.

SECTION 2 – SCOPE AND CONTROL OF THE WORK

2-1 AWARD AND EXECUTION OF CONTRACT

Subsection 2-1 of the Standard Specifications is hereby replaced with the following:

Within ten working days after the date of the AGENCY's notice of award, the Contractor shall execute and return the following contract documents to the AGENCY:

- Contract Agreement
- Faithful Performance Bond
- Material and Labor Bond
- Public Liability and Property Damage Insurance Certificate
- Worker's Compensation Insurance Certificate
- Project Schedule

Failure to comply with these requirements will constitute non-responsiveness on the part of the Contractor and will result in annulment of the award by the Agency and forfeiture of the Proposal Guarantee by the Contractor.

The Contract Agreement shall not be considered binding upon the AGENCY until executed by the authorized AGENCY official.

A corporation to which an award is made may be required, before the Contract Agreement is executed by the AGENCY, to furnish evidence of its corporate existence, of its right to enter into contracts in the State of California, and of the authority of its officers to sign contracts and bonds for the corporation.

2-3 SUBCONTRACTS

The whole paragraph of Subsection 2-3.2 of the Standard Specifications is hereby deleted and replaced with the following:

The Contractor shall perform or provide, with its own organization, contract labor, materials, and equipment amounting to at least 50 percent of the Contract Price. The contract labor performed or provided by the Contractor shall amount to at least 25 percent of the total contract labor for the Contract. Contract labor shall exclude the Contractor's superintendent. Any designated "Specialty Items" may be performed by subcontract and the amount of any such "Specialty Items" so performed may be deducted from the Contract Price before computing the amount of contract labor, materials, and equipment required to be performed or provided by the Contractor with its own organization. Where an entire item is subcontracted, the value of contract labor, materials, and equipment subcontracted will be based on the estimated percentage of the Contract Unit or Lump Sum Price, determined from information submitted by the Contractor, subject to approval by the Engineer.

The Contractor with the bid package shall submit a list of all subcontractors intended to perform work on the project. This list shall include the name and location of the place of business of each subcontractor who will perform work or labor or render service to the prime contractor in or about the construction of the work or improvement, or a subcontractor licensed by the State of California who, under subcontract to the prime contractor, specially fabricates and installs a portion of the work or improvement according to detailed drawings contained in the plans and specifications, in an amount in excess of one-half of one percent of the prime contractors total bid. The prime contractor shall provide a description by bid item number or otherwise fully designate the portion of work to be performed by each subcontractor.

2-4 CONTRACT BONDS

The second sentence of the fourth paragraph of Subsection 2-4 of the Standard Specifications is hereby deleted and replaced with the following: The Faithful Performance Bond (Warranty Bond) shall remain in force until one (1) year of recordation of the Notice of Completion. The Material and Labor Bond shall remain in force until thirty-five days after the date of recordation of the Notice of Completion.

The second and third sentences of the third paragraph of Subsection 2-4 of the Standard Specifications are hereby deleted and replaced with the following: The "Payment Bond" (Material and Labor Bond) shall be for not less than 50 percent of the contract price, to satisfy claims of material suppliers and of mechanics and laborers employed by it on the work. The Payment Bond shall remain in effect until thirty-five days after the date of recordation of the Notice of Completion.

2-5 PLANS AND SPECIFICATIONS

2-5.1 General.

The following is added to the General Specifications:

The Contractor shall maintain a control set of Plans and Specifications on the project site at all times. All final locations determined in the field, and any deviations from the Plans and Specifications, shall be marked in red on this control set to show the as-built conditions. Upon completion of all work, the Contractor shall return the control set to the Engineer. Final payment will not be made until this requirement is met.

2-9 SURVEYING

2-9.1 Permanent Survey Markers.

The following is added after the first paragraph of this subsection of the Standard Specifications:

The Contractor shall reset disturbed monuments and provide a Corner Record Survey filed with the County Surveyor and City Engineer. Corner Record Surveys shall be completed by a Surveyor licensed in the State of California to practice surveying.

2-9.2 Surveying Services.

This subsection of the Standard Specifications is hereby deleted and replaced with the following:

The Contractor will furnish a Surveyor as needed for layout of the work and the resetting of monuments.

SECTION 4 - CONTROL OF MATERIALS

4-1 MATERIALS AND WORKMANSHIP

4-1.1 General

The following is hereby added to this subsection of the Standard Specification:

The Contractor and all subcontractors, suppliers, and vendors, shall guarantee that the entire work will meet all requirements of this contract as to the quality of materials, equipment, and workmanship. The Contractor, at no cost to the AGENCY, shall make any repairs or replacements made necessary by defects in materials, equipment, or workmanship that become evident within one (1) years after the date of recordation of the Notice of Completion. Within this one-year period, the Contractor shall also restore to full compliance with requirements of this contract any portion of the work which is found to not meet those requirements. The Contractor shall hold the AGENCY harmless from claims of any kind arising from damages due to said defects or noncompliance. The Contractor shall make all repairs, replacements, and restorations within thirty (30) days after the date of the City Engineer's written notice.

4-1.6 Trade Names or Equals

The first and second paragraphs of this subsection of the Standard Specifications are hereby replaced with the following:

Although the bidder may believe that by use of a different material than that specified on/in the plans and specifications, a lower cost project/bid may result. The bidder is to bid the project on the basis of using the material(s) as named keeping in mind that all materials named herein by manufacturer is not to prohibit the bidder considering using in his bid what he consider to be an equal material except where the AGENCY has designated a sole product. Once the bids have been opened the successful Contractor may discuss with the AGENCY the use of another product; which may result in a determination by the AGENCY that the other product is equal and possibly that by the AGENCY allowing the use of the Contractor proposed equal that a change in the contract amount may result.

SECTION 5 – UTILITIES

5-1 LOCATION

The agency did not perform any utility investigation. The Contractor shall be responsible to contact USA to mark all utilities and shall conduct this operation to protect all marked utilities in place. Any damaged utility line shall be repaired to the contractor sole expense. The price for protecting all utilities in place shall be considered as paid for in the various Bid items and no additional compensation shall be allowed thereafter

SECTION 6 – PROSECUTION, PROGRESS, AND ACCEPTANCE OF WORK

6-1 CONSTRUCTION SCHEDULE AND COMMENCEMENT OF WORK

The following is hereby added to this subsection of the Standard Specifications:

The Contractor's proposed Construction Schedule shall be submitted to the Engineer within ten working days after the date of the Agency's execution of the Contract Agreement. The schedule shall be supported by written statements from each supplier of materials or equipment indicating that all orders have been placed and acknowledged, and setting forth the dates that each item will be delivered.

Prior to issuing the Notice to Proceed, the Engineer will schedule a preconstruction meeting with the Contractor to review the proposed Construction Schedule and delivery dates, arrange utility coordination, discuss construction methods, and clarify inspection procedures.

The Contractor shall submit periodic Progress Reports to the Engineer by the last day of each month. The Report shall include an updated Construction Schedule. Any deviations from the original schedule shall be explained. Progress payments will be withheld pending receipt of any outstanding reports.

6-7 TIME OF COMPLETION

6-7.1 General

This subsection of the Standard Specifications shall be replaced by the following:

All construction work is to be completed within **one hundred and twenty (120) working days.**

6-7.2 Working Day.

The following is hereby added to this subsection of the Standard Specifications:

The Contractor's activities shall be confined to the hours between 7:00 a.m. and 3:30 p.m., Monday through Friday, excluding holidays. Deviation from these hours will not be permitted without the prior consent of the Engineer, except in emergencies involving immediate hazard to persons or property. In the event of either a requested or emergency deviation, inspection service fees will be charged against the Contractor. The service fees will be calculated at overtime rates including benefits, overhead, and travel time. The service fees will be deducted from any amounts due the Contractor. Should the Contractor choose nighttime work, any and all lighting and traffic control, as needed, shall be provided by the Contractor.

6-9 LIQUIDATED DAMAGES

The liquidated damages value is hereby amended to be **\$1,500.00 per day.**

SECTION 7 – RESPONSIBILITIES OF THE CONTRACTOR

7-1 CONTRACTOR'S EQUIPMENT AND FACILITIES.

The following is hereby added to this subsection of the Standard Specifications:

7-1.4 A noise level limit of 86 dba at the distance of fifty feet shall apply to all construction equipment on or related to the job whether owned by the Contractor or not. The use of excessively loud warning signals shall be avoided except in those cases required for the protection of personnel.

7-1.5 All noise producing project equipment and vehicles using internal combustion engines shall be equipped with mufflers, and air inlet silencers where appropriate, in good operating condition that meet or exceed original factory specifications. Mobile or fixed “package” equipment (e.g. arc-welders, air compressors) shall be equipped with shrouds and noise control features that are readily available for that type of equipment.

7-1.6 All mobile or fixed noise producing equipment used on the project, which is regulated for noise output by a local, state, or federal agency, shall comply with such regulation while in the course of project activity.

7-1.7 Electrically powered equipment instead of pneumatic or internal combustion powered equipment shall be used, where feasible.

7-1.8 Material stockpiles and mobile equipment staging, parking, and maintenance areas shall be located as far as practical from residences.

7-1.9 The hours of conventional construction activities shall be restricted to the periods and days permitted by the local noise or other applicable ordinance. In accordance with the City of HUNTINGTON PARK Noise Ordinance, these activities include (but are not limited to) construction, noisy maintenance activities, all spoils and material transport, demolition, and grading and are prohibited between the hours of 4:00 p.m. and 8:00 a.m. on weekdays (Monday through Friday), Saturday and Sundays, and legal holidays, except in cases of emergency as determined and approved in writing by the City Engineer.

7-1.10 The use of noise producing signals, including horns, whistles, alarms, and bells shall be for safety warning purposes only.

7-1.11 No project related public address, paging, two-way radio, or music system shall be audible at any adjacent residence.

7-1.12 The on-site construction supervisor shall have the responsibility and authority to receive and resolve noise complaints. An appeal process to the City shall be established prior to construction commencement that will allow for resolution of noise problems that cannot be immediately solved by the site supervisor.

7-1.13 The Contractor shall develop a project noise control plan, which shall be approved and implemented prior to commencement of any construction activity.

7-1.14 Noise control features and plans shall be reviewed and approved by a noise control engineering professional.

7-1.15 Contract incentives may be offered to the construction contractor to minimize or eliminate noise complaints resulting from project activities.

7-1.16 The erection of temporary sound wall barriers shall be considered where project activity is unavoidably close to residences.

7-1.17 Caltrans Standard Specifications (Sections 7 and 42) and Standard Special Provisions (that provide limits on construction noise levels) shall be applied and enforced by the City on the project Contractor.

7-1.18 Arrange noisiest operations together in the construction program to avoid continuing periods of annoyance.

7-1.19 If practical, implement project noise abatement features prior to construction.

7-2 LABOR

7-2.2 Laws. The following is hereby added to this subsection of the Standard Specifications:

The Contractor, and all subcontractors, suppliers and vendors, shall comply with all AGENCY, State and Federal orders regarding affirmative action to ensure equal employment opportunities and fair employment practices. Failure to file any report due under said orders will result in suspension of periodic progress payments. The Contractor shall ensure unlimited access to the job site for all equal employment opportunity compliance officers. In accordance with the labor Code, as provided in Section 1773 et seq., the City has on file in the City Clerk's office the latest prevailing rates as established by the Director of Industrial Relations of the State of California. The Contractor shall not pay less than these rates.

7-3 LIABILITY INSURANCE

The liability insurance coverage values are hereby amended to be:

<u>Insurance Coverage Requirements</u>	<u>Limit Requirements</u>
Comprehensive General Liability	\$2,000,000
Product/Completed Operations Hazard	\$2,000,000
Comprehensive Automobile Liability	\$2,000,000
Contractual General Liability	\$2,000,000
Worker's Compensation	Statute

A combined single limit policy with aggregate limits in the amount of \$2,000,000 will be considered equivalent to the required minimum limits. A pro forma copy of the policy(s) shall be submitted to the City. A certificate of endorsement naming the City and its Agents as additional insured identifying the coverage limits, dates of coverage insurance provided and project number is required.

7-5 PERMITS.

The text of Subsection 7-5 of the Standard Specifications is hereby deleted and replaced with the following:

Prior to the start of any work, the Contractor shall take out the applicable AGENCY permits and make arrangements for AGENCY inspections. The AGENCY will issue the permits at no charge to the Contractor. The Contractor and all subcontractors shall each obtain an AGENCY business license, and shall be licensed in accordance with the State Business and Professions Code. The Contractor shall also obtain any and all other permits, licenses, inspections, certificates, or authorizations required by any governing body or entity.

The Contractor shall pay all costs incurred by the permit requirements.

7-9 PROTECTION AND RESTORATION OF EXISTING IMPROVEMENTS.

The second paragraph of Subsection 7-9 of the Standard Specifications is hereby deleted and replaced with the following:

The Contractor shall relocate, repair, replace or re-establish all existing improvements within the project limits which are not designated for removal (e.g., curbs, sidewalks, driveways, fences, walls, sprinkler systems, signs, utility installations, pavements, structures, etc.) which are damaged or removed as a result of the operations or as required by the Plans and Specifications.

Where existing traffic striping, pavement markings, and curb markings are damaged or their reflectivity reduced by the Contractor's operations, such striping or markings shall also be considered as existing improvements and the Contractor shall repaint or replace such improvements.

Reallocations, repairs, replacements or re-establishments shall be at least equal to the existing improvements and shall match such improvements in finish and dimensions unless otherwise specified.

The last paragraph of Subsection 7-9 of the Standard Specifications is hereby deleted and replaced with the following:

All costs to the Contractor for protecting, removing, restoring, relocating, repairing, replacing, or re-establishing existing improvements shall be included in the bid.

7-10 PUBLIC CONVENIENCE AND SAFETY.

The subsection 7-10.1 of the Standard Specifications is hereby deleted and replaced with the following:

7-10.1 Traffic and Access.

The Contractor shall notify the occupants of all affected properties in writing at least forty-eight hours (2 working days) prior to any temporary obstruction of access. Vehicular access to the property line shall be maintained except as required for construction for a reasonable period of time. No overnight closure of any driveway will be allowed except as permitted by the Engineer.

At least one twelve-foot wide traffic lane shall be provided for each direction of travel on all streets at all times except as permitted by the Engineer. The Contractor must submit a traffic control plan to the City and obtain approval of same in writing from the City Engineer. The Contractor shall maintain at least one lane of traffic in each direction at all times during construction. The plan shall be prepared per latest edition of California Manual on Traffic Control Devices (MUTCD).

There are some driveways that require replacement in order to be handicap compliant. Where a property has two driveways, only one driveway at a time can be closed for replacement. Where a single driveway to a property has a considerable width, half of the driveway is to be closed, worked on and reopened for usage before the other half of the driveway can be worked on.

All driveways have to be open for access during project non-construction hours and days which may require use of plating and other devices or methods.

No driveway can be worked on until the owner/tenant has been informed in writing with five (5) working days' notice of the scheduled work and has agreed to the planned schedule of the Contractor.

Under situations of driveway closure to pedestrians, the Contractor shall post advance notice on barricades to direct pedestrian to use the sidewalk on the opposite side of the street or the Contractor may elect to provide continuous K-rail in the curb lane to allow pedestrians to walk in the curb lane behind the K-rail. Any and all devices such as plates, barricades, K-rails and notices shall be continuously maintained for pedestrian and vehicle safety. No curb lanes shall be closed during non-working days of the week. Appropriate advance warning signs shall be continuously maintained as needed during the project. All such devices, warning signs and interruptions of normal vehicle lanes, parking lanes and pedestrian walkways shall be shown on the Traffic Control Plan for advance approval by the Agency.

Clearances from traffic lanes shall be five feet to the edge of any excavation and two feet to the face of any curb, pole, barricade, delineator, or other vertical obstruction.

Clearances from traffic lanes shall be five feet to the edge of any excavation and two feet to the face of any curb, pole, barricade, delineator, or other vertical obstruction.

Any striped roadway shall be delineated by the Contractor with temporary raised reflective markers when it is to be left un-striped overnight.

7-10.3.1 Street Closures, Detours, Barricades.

This subsection is added to section 7-10.3 of the Standard Specifications:

Street closures will not be allowed except as specifically permitted by the Engineer.

At the Pre-Construction meeting, the Contractor shall submit to the Engineer a detailed written plan for traffic control and construction sequencing for the project. The plan shall include drawings as necessary to clearly outline how traffic flow and pedestrian walkways will be handled during the course of construction and where detour and advance notice signs will be posted.

Traffic lane transitions shall not be sharper than a taper of thirty to one.

Temporary traffic channelization shall be accomplished with barricades, K-rail sections or delineators. Temporary striping will not be allowed unless specifically permitted by the Engineer. The Contractor shall prepare any plans that may be required for temporary striping to the satisfaction of the Engineer. In no event will temporary striping be allowed to remain on finish pavement surfaces.

In no case shall traffic be diverted from the existing traveled way without prior approval of the City Engineer.

The contractor shall include in his Traffic Control Plan use of lighted message boards to notify traffic of project and any changes in vehicle or pedestrian travel routes.

If the Contractor shall fail to provide and install any of the signs or traffic control devices ordered by the Engineer, the Engineer may either stop the work or cause such signs or traffic control devices to be placed by others and charge the cost therefor against the Contractor, and deduct same from the next progress payment

7-10.6 Protection of the Public.

Subsection 7-10.6 is hereby added to Section 7 of the Standard Specifications as follows:

It is part of the service required of the Contractor to make whatever provisions are necessary to protect the public. The Contractor shall use foresight and shall take such steps and precautions as its operations warrant to protect the public from danger, loss of life or loss of property, which would result from interruption or contamination of public water supply, interruption of other public services, or from the failure of partly completed work or partially removed facilities. Unusual conditions may arise on the work, which will require that immediate and unusual provisions be made to protect the public from danger or loss, or damage to life and property, due directly or indirectly to prosecution of work under this contract.

Whenever, in the opinion of the Engineer, an emergency exists against which the Contractor has not taken sufficient precaution for the public safety, protection of utilities and protection of adjacent structures or property, which may be damaged by the Contractor's operations and when, in the opinion of the Engineer, immediate action shall be considered necessary in order to protect the public or property due to the Contractor's operations under this contract, the Engineer will order the Contractor to provide a remedy for the unsafe condition. If the Contractor fails to act on the situation within a reasonable time period, the Engineer may provide suitable protection to said interests by causing such work to be done and material to be furnished as, in the opinion of the Engineer may seem reasonable and necessary.

The cost and expense of said labor and material, together with the cost and expense of such repairs as are deemed necessary, shall be borne by the Contractor. All expenses incurred by the AGENCY for emergency repairs will be deducted from the progress payments and the final payment due to the Contractor. However, if the AGENCY does not take such remedial measures, the Contractor is not relieved of the full responsibility for public safety.

SECTION 8 – FACILITIES FOR AGENCY PERSONNEL.

The following is hereby added to this subsection of the Standard Specifications:

No field offices for AGENCY personnel will be required, however, the AGENCY personnel shall have the right to enter upon the project at all times and shall be admitted to the offices of the Contractor for the project in the City if so provided by the Contractor for his own personnel.

SECTION 9 – MEASUREMENT AND PAYMENT

9-3 PAYMENT

9-3.2 Partial and Final Payment.

The text of Subsection 9-3.2 of the Standard Specifications is hereby deleted and replaced with the following:

The closure date for the purpose of making partial progress payments will be on or about the twenty-fifth (25th) day of each month. The Contractor shall prepare the approximate measurement of the work performed through the closure date and submit it to the AGENCY for approval along with an updated construction schedule.

When the work is complete, the Engineer will determine the final quantities of the work performed and prepare the final progress payment.

Payments are commonly authorized and made within forty five days following the last day of the month submitted. However, payments will be withheld pending receipt of any outstanding reports required by the contract documents. In addition, the final progress payment will not be released until the Contractor returns the control set of Plans and Specifications showing the as-built conditions and any other required documents.

A full five percent (5%) retention will be deducted from all progress payments. The final retention will be authorized for final payment forty-five (45) days after the date of recordation of the Notice of Completion.

The Contractor, however, may receive interest on the retention for the length of construction, or receive the retention itself as long as the retention is substituted with escrow holder surety of equal value.

At the request and expense of the Contractor, surety equivalent to the retention may be deposited with the State Treasurer or a State or Federally chartered bank as the escrow agent, who shall pay such surety to the Contractor upon satisfactory completion of the contract.

Sureties eligible for investment shall include those listed in Section 16430 of the State Government Code or bank or savings and loan certificates of deposit.

Any escrow agreement entered into shall contain the following provisions:

- (a) The amount of surety to be deposited;
- (b) The terms and conditions of conversion to cash in case of default of the Contractor; and
- (c) The termination of the escrow upon completion of the contract.

9.3.3 Delivered Materials.

This subsection of the Standard Specifications is hereby replaced in its entirety by the following:

Materials and equipment delivered but not incorporated into the work will not be included in the estimate for progress partial payment.

SECTION 10 – CITY STANDARDS, STANDARD PLANS AND DRAWINGS

Section 10 is hereby added to the Standard Specifications as follows:

All public improvements, construction and dedications required and described in this manual shall conform to the standards and specifications of the City. Standards, Standard Plans and Drawings of the following agencies are used by the City of HUNTINGTON PARK and are part of the City's standards. Where there is ambiguity or conflict between standards over which standard shall apply, the City Engineer shall determine what shall apply, and his determination shall be final. All construction is subject to the approval of the City Engineer.

Standard Plans – Standard Plans for Public Works Construction, SPPWC, “Latest Edition and Supplement”.

Los Angeles County Public Works Department – Grey Book and all plans except those modified or replaced by City Standards.

Los Angeles County Flood Control District - Applicable storm drains.

Sanitation Districts of Los Angeles County - Applicable sewer and manholes.

State of California – California Department of Transportation (Caltrans) Standard Specifications and Standard Plans - Pavement markings and traffic loops.

City Standards - All applicable standard plans.

Standard Specifications - The latest edition of, and applicable amendments to, the “Standard Specifications for Public Works Construction (SSPWC).”

California Manual on Traffic Control Devices (MUTCD), “Latest Edition”.

SPECIAL PROVISION
PART 2 – BID ITEM DESCRIPTIONS

FOR

**VARIOUS STREET IMPROVEMENT PROJECT
FY 2018/2019
PROJECT NO. 2018-19**

IN THE CITY OF HUNTINGTON PARK

Sections 3-2.2.2 “Increase more than 25 per cent” and 3-2.2.3 “Decrease of more than 25 per cent” are hereby deleted. Payments for all bid Items shall be based on field measurements and no additional payment shall be allowed. All Bid Items shall be in accordance with the Standard Specifications for Public Works Construction (SSPWC), including supplements, State of California Department of Transportation (Caltrans) Standard Specifications, Latest Edition, and the Special Provisions and General Conditions of these specifications.

The Contractor shall mobilize to start the project 10 working days from the award of the contract. The agency shall be counting the working days from the said date.+

Bid Item No. 1 – Mobilization/Demobilization (Not to exceed 3% of total of all other Prime Contract Bid Items)

Mobilization shall conform to the provisions of Sections 9-3.4 of the Standard Specifications.

Mobilization and demobilization shall consist of preparatory work and operations including, but not limited to, those necessary for the movement of personnel, equipment, materials, and incidentals to and from the project site necessary for work on the project and for all other work and operations which must be performed or costs incurred including bonds, insurance, and financing prior to beginning work on the various contract items on the project site. Mobilization shall also include the time, materials, and labor to move the necessary construction equipment to and from the site, supervisory time on the job by the Contractor’s personnel to keep the construction site in a safe condition, and all other related work as required at all times and for all non-working days during the construction period. The Contractor is responsible for securing an adequate storage site for equipment and materials. Demobilization includes removal of all equipment and materials from the site, clean up and restoration of the work site at the end of project. This bid item shall also include clearing and grubbing operations preceding and post construction consisting of removing all natural and artificial objectionable materials from the Right-of-Way in construction areas, road approaches and material sites. Clearing and grubbing shall conform to the provision of section 300-1 of the standard specifications.

No additional amounts shall be paid for erosion control, Best Management Practices (BMP), erosion damage clean-up, and removal of debris from the project site, NPDES requirements, or removal of soil and other materials deposited on public streets by construction traffic.

Best Management Practices (BMP) shall be defined as any program, technology, process, citing criteria, operating method, measure, or device, which controls, prevents, removes, or reduces pollution. The Contractor shall obtain and refer to the California Storm Water Best Management Practice Handbooks, Volume 3, Construction BMP Handbook and the Los Angeles County Department of Public Works Best Management Practices Handbook for Construction Activities.

Los Angeles County Department of Public Works
Cashier's Office
900 South Fremont Avenue
Alhambra, CA 91803
Telephone: 626-458-6959

The Contractor shall have a minimum of two readily accessible copies of each publication on the Contract site at all times plus any copies of applicable environmental mitigation plans.

Additional BMPs may be required as a result of a change in actual field conditions, contractor activities, or construction operation. When more than one BMP is listed under each specific BMP category, the Contractor shall select the appropriate and necessary number of BMPs within each category in order to achieve the BMP objective.

BMPs for Contractor activities shall be continuously implemented throughout the year and project time period. BMPs for erosion control and sedimentation shall be implemented during the period from October 15 to April 15, and whenever the National Weather Service Predicts rain within 24 hours. BMPs for erosion control and sedimentation shall also be implemented prior to the commencement of any Contractor activity or construction operation, which may produce run-off, and whenever run-off from other sources may occur.

The Agency (City), as a permittee thereto, is subject to enforcement actions by the State Water Resources Control Board, Environmental Protection Agency, and private citizens. The Agency will pass through to the Contractor any penalty assessed by these entities for each calendar day that the Contractor has not fully implemented the BMPs specified for the Contract and/or is otherwise in noncompliance with these provisions. In addition, the Agency will deduct, from the final payment due the Contractor, the total amount of any fines levied on the Agency, plus legal and staff costs, as a result of the Contractor's lack of compliance with these provisions and/or less than complete implementation of the specified BMPs.

Payment for Mobilization/Demobilization shall be included in the **Lump Sum (LS) Price** base is and shall be considered full compensation for obtaining all business licenses and permits, as required for the entire project, from all related agencies, including, but not limited to, utility companies, private and public agencies and the City of HUNTINGTON PARK; and complying with the requirements specified in those licenses and permits; coordination, implementation of Best Management Practices, and incidentals necessary to perform all related items of work. Progress payments for this bid item shall be paid for in accordance with the completion percentage of the project to the Contractor and shall include the cost of such mobilization administration during the entire contract period and demobilization. No additional compensation will be allowed therefor. The sum total of this Bid Item shall not exceed 3% of the total of all other Bid Items.

Bid Item No. 2 – Traffic Control

Traffic Control, Traffic Control plan, construction signing and traffic maintenance shall comply with the provisions of Subsection 7-10 of the Standard Specification, Subsection 56-2 of the Caltrans Standard Specifications, and the current requirements set forth in the “Manual of Traffic Controls for Construction and Maintenance Work Zones” published by the Department of Transportation, State of California, and Manual on Uniform Traffic Control Devices (MUTCD), Latest Edition, by the Federal Highway Administration and California, the traffic control plans and these Special Provisions.

The Contractor shall maintain the following clearances from the edge of traffic lanes:

- 1) 5 feet to any excavation,
- 2) 2 feet to curbs or temporary concrete barriers,
- 3) 10 feet to poles and other obstructions on uncurbed roadways.

If determined by the Engineer that it is necessary to decrease these minimum distances to allow for the prosecution of the work, the Contractor shall provide all protective devices required by the Engineer to adequately protect the public.

PUBLIC CONVENIENCE

Within ten working days after the date of the Agency’s execution of the Contract Agreement the Contractor shall submit a proposed Construction Schedule for approval. Based on the approved project schedule, the Contractor shall notify residents and businesses of the proposed work and post temporary “NO PARKING” signs at no cost to the City. Signs shall be posted at all intersections, and on each side of the street a maximum of 200 feet between signs. Signs may not be attached to existing poles, street lights standards or trees. All signs must be posted on delineators or stakes provided by the Contractor. The “NO PARKING” signs shall be in place not less than seventy two (72) hours prior to performing the work; therefore a request for changes in the schedule requiring additional posting shall be submitted by the Contractor for approval by the Engineer at least seventy-two (72) hours prior to reconstruction and paving the street. All conflicting parking signage shall be covered.

Due to the nature of this project involving major inconvenience to residents and businesses, a good Public Relations Program is mandatory and evidence of satisfactory past performance in this area will be required.

The Contractor is to distribute two (2) “Public Notice” to each residence and business affected by the project. The first notice shall be distributed ten (10) calendar days prior to the start of any work. The second notice shall be distributed at least seventy two (72) hours prior to the start of work on a specific section of the street. A sample copy of the notice must be approved by the City. Said notice shall be attached to a red information hanger provided by the Contractor and hung on the gate or front door knob. The Contractor shall also coordinate with the bus services to ensure

the safe operation of buses and access to bus stops in the construction area. Notices shall be in English and Spanish languages.

The Contractor shall also coordinate with the street sweeping, trash disposal, HUNTINGTON PARK Bus Lines and postal services agencies to ensure the safe operation of their vehicle and access in the construction area.

All complaints received by the City associated with the construction project alleging damage to private property and vehicles shall be responded to by the Contractor within twenty-four (24) hours (one working day) of notification. Failure to comply with this provision may result in a penalty of One Hundred dollars (\$100.00) per occurrence.

All trucks, which the Contractor proposes to use, that exceed the legal load limit when loaded will be required to have overweight permits issued by the City.

The Contractor shall be responsible for adequate barricading of the work area and controlling of traffic in the vicinity of the project as specified in Subsection 7-10 of the General Provisions.

PROTECTION OF WORK AND PUBLIC

The Contractor shall take all necessary measures to protect work and prevent accidents during any and all phases of the work. The Contractor shall repair all damaged pavement as a result of vandalism (i.e., vehicle tracks, footprints, graffiti, etc.) If deemed necessary by the City, the Contractor shall repair the defective area in accordance with these special provisions.

CONSTRUCTION SIGNING

Construction signing shall consist of furnishing, installing, maintaining and removing construction signs and barricades as required by the "California Manual on Uniform Traffic Control Devices", MUTCD California. The traffic control system shall be installed on a road prior to starting work for that road and shall not be removed until all work has been completed on that road. Existing speed limit signs, which conflict with the work zone speed limit, shall be covered during the entire construction period. If any Traffic Control is required within a 100 ft from a signalized intersection, the contractor shall submit a Traffic Control Plan.

TRAFFIC MAINTENANCE

The Contractor shall be responsible for handling vehicular and pedestrian traffic in accordance with Subsection 7-10 of the Standard Specifications and these Special Provisions.

The Contractor shall prepare all necessary traffic control plans and submit to the City for approval at the pre-construction meeting. The traffic control plans shall be prepared by a California Licensed Traffic Engineer and shall show:

1. Notification Signs.
2. Existing and temporary lane lines.
3. Dimensions of the work zone and street improvements.

4. Advance warning signs.
5. Delineators

The plans shall be submitted to the City at the preconstruction meeting prior to commencing work and shall incorporate a complete and separate plan for each stage of construction proposed by the Contractor. This plan shall indicate the sequence of lanes or portions of lanes being closed for each phase. The traffic control plans shall indicate the travel plan for each phase of construction. The traffic control plans shall state:

1. That the plan will conform to “California Manual on Uniform Traffic Control Devices”, MUTCD California.
2. Emergency contact person and phone number.
3. Minimum lane widths and minimum clearance to obstructions.

The traffic control plan shall be approved by the City Engineer prior to beginning any removals.

The Contractor shall cooperate with the City Engineer relative to handling traffic through all work areas and shall make his own arrangements relative to keeping the working area clear of parked vehicles and maintaining clear access to driveways.

The Contractor shall furnish and install construction notification signs as shown on traffic control plans and as specified by the City of HUNTINGTON PARK.

The Contractor shall provide for controlled pedestrian crossings through the work. Crossings shall provide pedestrians a means of passing over or through the work without tracking tack coat or hot asphalt concrete or P.C.C. work or endangering pedestrian safety. All temporary pedestrian crossings shall be in compliance with the latest Americans with Disabilities Act design standards and supplements.

At intersections, if a cross road needs to be temporarily closed when work is in progress through the intersection and the anticipated traffic delay is more than five (5) minutes, a detour sign shall be installed on the cross street and shall include the installation of advance signing displaying the anticipated delay time. The signing of the detour route shall be approved by the Engineer prior to installation of the detour and closure of the road.

The Contractor shall provide for one lane of travel in each direction at all times unless approved by the Engineer. When two-way traffic is restricted to one lane in each direction, and when applying paving past intersecting roads, traffic shall be controlled as required by the “California Manual on Uniform Traffic Control Devices”, MUTCD California. A pilot car and driver will be required at various locations if control by flaggers and/or control devices proves deficient in the opinion of the Engineer. In no case shall the Contractor provide less than one (1) lane of travel in each direction through the construction zone including cross-streets.

Contractor’s equipment and personal vehicles of the Contractor’s employees shall not be parked on the traveled way at any time. Overnight parking of construction equipment shall be confined to an approved storage site selected by the Contractor and approved by the City.

TEMPORARY GUIDE MARKERS

Temporary guide markers shall be portable Caltrans Standard Specifications approved delineators. Only one type of temporary guide marker shall be used on any road at any one time.

Temporary guide markers shall be placed adjacent to the edge of all vertical lips or excavations that exceed 3/4 inches. If the temporary guide markers are damaged, or are not in an up-right position, from any cause, said markers should immediately be replaced or restored to their original locations, in an upright position by the Contractor.

PORTABLE DELINEATORS

The vertical portion of the portable delineators shall be brilliant orange or predominantly orange in color. The posts shall be not less than 100 square inches, measured through the vertical axis of the delineator, normal to the roadway. The minimum height shall be thirty-seven (37) inches above the traveled way.

Two 4-inch nominal width reflective bands shall be mounted a minimum of 1 ½ inches apart and at a height on the post so that one reflective band will be between 2.5 feet and 3 feet above the roadway surface.

Reflective bands shall be flexible vinyl plastic, either white or yellow, and shall have not less than the following dry reflective values at a 0.2 degree divergence angle, expressed I units if candlepower per foot-candle per square foot. The wet reflective values shall not be less than ninety percent (90%) of the dry values.

Dry Reflective Value

<u>Angle of Incidence</u>	<u>4°</u>	<u>5°</u>	<u>30°</u>
White	250	165	50
Yellow	10	110	50

All tests for reflective values shall be performed in accordance with California Test Method No. 642.

The portable delineators shall be spaced as necessary for proper delineation; however, in no case shall the spacing between portable delineators exceed thirty (30) feet on tangents or twenty (20) feet on curves.

FLUORESCENT TRAFFIC CONES

Provide lighted flashers and lighting for night time. Traffic cones shall be fluorescent new or reconditioned and of good commercial quality, flexible material suitable for the purpose intended.

The outer section of the portion above the base of the cone shall be highly pigmented fluorescent orange polyvinyl compound. The overall height of the cone shall be anchored in a manner such that the traffic cone will remain in an upright position.

The fluorescent traffic cones shall be spaced as necessary for proper delineation; however, in no case shall the spacing between fluorescent cones exceed thirty (30) feet on tangents or twenty (20) feet on curves.

STRIPING

Temporary striping and marking for traffic control shall conform to Section 310-5.6.5 of the Standard Specifications. Temporary striping and marking which has no further use shall be removed by wet sandblasting, and all sand used in sandblasting shall be removed without delay as the sandblasting operation progresses.

RESTRICTIONS ON CLOSURE OF STREETS AND TRAFFIC LANES

The Contractor shall conduct all operations so as to provide access to the adjoining properties and have no greater length or quantity of work under construction that can be properly prosecuted with a minimum of inconvenience to the public.

The Contractor shall construct temporary A.C. ramps or equal to provide safe and drivable access to residents and business properties daily.

The Contractor shall coordinate all shipments and deliveries to businesses. If steel plates are required, they shall be provided by the Contractor at no additional cost to the City.

The Contractor shall be responsible for furnishing, placing and maintaining barricades and lights as necessary to protect the public from danger due to the work being done.

No additional amounts shall be paid for erosion control, erosion damage clean-up, and removal of debris from the project site, NPDES requirements, or removal of soil deposited on public streets by construction traffic.

Payment for Traffic Control shall be included in the **Lump Sum (LS) Price** base shall be considered full compensation for providing safe traffic control, preparing and providing traffic control plan during the project, temporary striping, obtaining all approvals and permits, as required, from all related agencies, including, but not limited to, public agencies and the City of HUNTINGTON PARK; and complying with the requirements specified in those licenses and permits, coordination,; and incidentals necessary to perform all related items of work.

Bid Item No. 3 – Sawcut, Remove and Construct Concrete Sidewalk

This Bid Item shall include all labor, material and equipment required to sawcut, remove and replace concrete sidewalk for the project.

Sawcutting for sidewalk construction shall be accomplished by the use of a power driven saw. The depth of the cut shall be deep enough to provide a clean, straight break without loosening, cracking, or damaging adjoining asphalt or concrete. A clean sawcut edge shall be maintained until new concrete sidewalk is constructed. The exact location of side walk removal shall be approved by the City Engineer in the field. Generally sawcuts shall be on existing joints or score mark.

All necessary sawcutting of existing concrete sidewalks shall be to the lines as required by the City Engineer. Sawcutting shall be included in the unit price and no further compensation shall be made.

This item shall include root clearing and/or tree root removal of the sections immediately adjacent and underneath sidewalk in order to bring new sidewalk to final finish grade. Full compensation for root clearing and tree root removal shall be included in the unit price of sidewalk and no further compensation shall be made.

All existing improvements including Fence/Wall/Gates/Plants/Grass/Trees/Irrigation Systems/etc. that might be damaged during construction should be videotaped and it is Contractor's responsibility to protect all existing adjacent features such as landscaping, irrigation system, property's fence/wall/gates, curb and gutter, pull boxes, utility boxes, and etc. in place per section 300-1.2 of Standard Specifications for Public Works Construction. All damages to these items shall be fixed to the satisfaction of City Engineer without any additional compensation. All materials to be removed as indicated on the plans shall be disposed of at a legal site as specified in subsection 300-1.3 of the Standard Specifications for Public Works Construction.

Concrete sidewalk shall conform to the provisions of Section 303-5 of the Standard Specifications for Public Works Construction, Standard Plans for Public Works Construction and the Street Improvement Plans made part of these Specifications. Concrete shall be Class 520-C-2500 as specified in Section 201-1.1.2 of the Standard Specifications for Public Works Construction. Concrete sidewalk shall be a minimum 4" thick per the Standard Plans for Public Works Construction 112-2 and 113-2.

Concrete sidewalk shall be constructed to match existing or as ordered by the City Engineer. Existing surfaces to be joined shall be sawcut on a neat, straight line at the join location. The Contractor shall remove and replace any new concrete work with graffiti markings and blemishes at no additional cost to the City.

Payment for concrete sidewalk shall conform to the provisions of Subsection 303-5.9 of the Standard Specifications for Public Works Construction.

Payment for Remove and Construct Concrete Sidewalk, shall be paid for at the contract unit price per **Square Foot (SF)** and shall include full compensation for furnishing all labor, materials, tools, equipment, sawcutting, removals, backfilling, grading, compaction, forming, pouring, finishing, hauling, properly disposing, and incidentals for doing all the work involved complete in place and no additional compensation will be allowed therefor

Bid Item No. 4 – Sawcut, Remove and Replace Existing Concrete Curb and Gutter (8” cf)

This Bid Item shall include all labor, material and equipment required to sawcut, remove, haul away and properly dispose of existing concrete curb and gutter, one-foot wide strip of AC pavement for forming and sub-grade compaction. Removal of concrete curb and gutter as shown on the Contract Drawings, shall conform to Subsection 300-1.3.2 (c) of the Standard Specifications for Public Works Construction.

All necessary Sawcutting, Removal and replacement of Existing Concrete Curb and Gutter and hauling shall be included in the price of and shall be considered full compensation for complying with the above requirements and shall include furnishing of labor, materials, equipment, sawcutting, removal, excavation, hauling, properly disposing, protection of facilities, grading, sub-grade compaction, restoration and incidentals for doing all the work involved complete in place and no additional compensation will be allowed.

This item shall include root clearing and/or tree root removal of the sections immediately adjacent and underneath the curb and gutter in order to bring new curb and gutter to final finish grade. Full compensation for root clearing and tree root removal shall be included in the unit price of the removal and replacement of the curb and gutter and no further compensation shall be made.

Concrete curb and gutter shall be constructed to match existing or as ordered by the City Engineer. Existing curb and gutter to be joined shall be sawcut on a neat, straight line at the join location. The Contractor shall remove and replace any new concrete work with graffiti markings and blemishes at no additional cost to the City. Work shall include replacement of any removal or damaged 3”-4” diameter drain pipe and also AC removed to provide space for forming at no additional cost to the City.

Payment for concrete curb and gutter shall conform to the provisions of Subsection 303-5.9 of the Standard Specifications for Public Works Construction. 6” thick compacted Crushed Miscellaneous Base (CMB) under the curb and gutter shall be included in this Bid Item.

Payment for Removal and Construction of Curb And Gutter shall be paid for at the contract unit price per Lineal foot (LF) and shall include full compensation for furnishing all labor materials, tools equipment, sawcutting, backfilling, grading, compacting, forming, pouring finishing, hauling, properly disposing, removal of one-foot wide strip of AC pavement along curb and gutter also is included in this removal, and all incidentals for doing all the work involved complete in place an no additional compensation will be allowed therefor.

Bid Item No. 5 – Sawcut, Remove and Replace Existing Concrete Curb only (8” CF)

This Bid Item shall include all labor, material and equipment required to sawcut, remove and replace, haul away and properly dispose of existing concrete curb. Removal and replacement of

concrete curb as shown on the Contract Drawings, shall conform to Subsection 300-1.3.2 (c) of the Standard Specifications for Public Works Construction.

This item shall include root clearing and/or tree root removal of the sections immediately adjacent and underneath the curb in order to bring new curb and gutter to final finish grade. Full compensation for root clearing and tree root removal shall be included in the unit price of the removal and replacement of the curb and gutter and no further compensation shall be made

All necessary Sawcutting, Removal compaction and replacement of Existing Concrete Curb and hauling shall be included in the price of and shall be considered full compensation for complying with the above requirements and shall include furnishing of labor, materials, equipment, sawcutting, removal, excavation, hauling, properly disposing, protection of facilities, grading, sub-grade compaction, forming, restoration and incidentals for doing all the work involved complete in place and no additional compensation will be allowed.

Payment for Removal and Construction of Curb only (8"CF) shall be paid for at the contract unit price per **Lineal foot (LF)** and shall include full compensation for furnishing all labor materials, tools equipment, sawcutting, backfilling, grading, compacting, forming, pouring finishing, hauling, properly disposing, and all incidentals for doing all the work involved complete in place an no additional compensation will be allowed therefor. 6" thick compacted Crushed Miscellaneous Base (CMB) under the curb shall be included in this Bid Item.

Bid Item No. 6 – Construct Concrete Driveway Approach

This Bid Item shall include all labor, material and equipment required to sawcut, remove and construct concrete driveway approach for the project. Concrete driveway approach shall conform to the provisions of Section 201-1 of the Standard Specifications for Public Works Construction and shall be placed in accordance with Section 303-5 of the Standard Specifications for Public Works Construction. Concrete driveway approach shall be 6" thick per Standard Plans for Public Works Construction 110-2 type A.

Sawcutting shall be accomplished by the use of a power driven saw. The depth of the cut shall be deep enough to provide a clean, straight break without loosening, cracking, or damaging adjoining asphalt or concrete. A clean sawcut edge shall be maintained until new concrete Driveway is constructed. The exact location of driveway approach removal shall be approved by the City Engineer in the field. Generally sawcuts shall be on existing joints or score mark.

Concrete driveway approach shall be constructed to the line, grades and design shown on the plans or as ordered by the Engineer. Existing approach to be joined shall be sawcut on a neat, straight line at the join location. The Contractor shall remove and replace any new concrete work with graffiti markings and blemishes at no additional cost to the City.

Payment for concrete driveway approach shall conform to the provisions of Subsection 303-5.9 of the Standard Specifications for Public Works Construction. 6" thick compacted Crushed Miscellaneous Base (CMB) under the driveway approach shall be paid under a separate Bid Item.

Payment for Construction of Concrete Driveway Approach shall be paid for at the contract unit price per **Square Foot (SF)** and shall include full compensation for furnishing all labor, materials, tools, equipment, sawcutting, removals, backfilling, grading, compacting, forming, pouring, finishing, hauling, proper disposing, and incidentals for doing all the work involved complete in place and no additional compensation will be allowed therefor.

Bid Item No. 7 – Remove and replace 8”-10” Thick PCC

This Bid Item shall include all labor, material and equipment required to construct 8”-10” thick Portland Cement Concrete (PCC) pavement for the project.

The subgrade preparation shall conform to section 301-1 of the standard specifications. Unless otherwise specified, soil in subgrade shall be compacted to a relative compaction of ninety-five (95) percent in the top six (6) inches of subgrade.

8”-10” thick Portland Cement Concrete shall be constructed to match existing or as directed by the Engineer. Existing PCC pavement shall be saw cut on a neat, straight line at the join location. The Contractor shall repair any graffiti markings and blemishes on new concrete at no additional cost to the City.

The curing of the 8”-10” PCC pavement shall conform to the provisions of section 303-1.10 and 305.5.6 of the Standard Specifications for Public Works Construction. The application of the sealing compound shall be in accordance with the requirements of section 90-7.01B of the Standard Specifications.

Payment for Sawcut, Remove and Replace 8”-10” PCC Pavement shall be paid for at the contract unit price per square foot (SF) and shall include full compensation for sawcutting, removal, hauling of waste material and properly disposing, backfilling, grading, compacting, forming, pouring, finishing, curing, steel plates to provide a temporary access to traffic and access to residences and businesses and incidentals for doing all the work involved complete and no additional compensation will be allowed therefor.

Bid Item No. 8 – Cold Mill Existing AC Pavement 2” Deep

Same as Bid Item No. 9

Bid Item No.9 – Cold Mill Existing AC Pavement 1 1/2” Deep

Cold milling shall conform to the provisions of Section 302-1 of the Standard Specifications for Public Works Construction. The Contractor shall cold mill existing asphalt concrete (AC) pavement to the depth required for the placement of new pavement as shown on the plans or, as directed by City Engineer. All work shall be completed in accordance with lines and grades, and typical cross-sections shown on the drawings. Any extra cold milling beyond the shown limits not approved by the City Engineer shall be at the Contractor’s expense.

All existing asphalt concrete (AC) pavement to join new construction shall be sawcut in a straight line. Contractor shall exercise due caution to avoid any damage to existing improvements, protecting in-place of existing water mains, sewers, storm drains, meters, valve covers, wall, fences, curbs, fire hydrants, telephone and power poles, and other existing structures.

It is the Contractor's responsibility to perform whatever additional exploration is necessary to avoid causing any damage to the existing utilities under the work area. Any damage done by the Contractor shall be repaired or replaced as called out in Section 7-9 of the Standard Specifications for Public Works Construction at the Contractor's expense.

This work shall consist of cutting existing asphalt concrete (AC) pavement to facilitate its removal. Any sawcutting shall be accomplished by the use of a power-driven saw to provide a clean, straight break without loosening, cracking, or damaging adjoining asphalt or concrete. A clean sawcut edge shall be maintained until surface course AC is constructed. Under this item, the use of a grinder will not be allowed in lieu of power-driven saw.

During the cold milling operation, the Contractor shall remove all loosened materials from milled areas, haul away and dispose of them at a legal site as specified in Sub-section 300-1.3 of Standard Specifications for Public Works Construction and submit evidence of the proper disposal to the City Engineer. The Contractor shall abate dust nuisance by cleaning, sweeping, and sprinkling with recycled water (if available) or other means as necessary.

The ground AC may or may not contain Petromat; if said material is found in the grinding operation no adjustments on the Bid price shall be made.

Crack Sealing (Not a Bid item)

After the completion of the cold milling operation, ¼" wide cracks and larger shall be routed to a depth of 1.5" and to a clean straight edge and shall be cleaned by hot air blowing to provide intact bonding surfaces which are free of moisture and debris. After the cracks have been properly cleaned, they shall be sprayed with an approved soil sterilant, and then filled with SS-1H asphaltic emulsion and sanded. Cracks and pop-outs larger than 1" wide shall be sealed with a D2-SC-800 stockpile mix. This operation shall be repeated until all vegetation growth and removed is dead.

Payment for Cold Milling of Existing Asphalt Concrete (AC) Pavement shall be paid for on a **Square Foot (SF)** and considered full compensation for furnishing labor, materials, equipment, sawcutting, removals, hauling and disposal of asphalt concrete materials excavated or grinded, grade for the base, crack sealing, compaction and no additional compensation will be allowed therefore.

Bid Item No. 10- Sawcut, Remove 4" thick of existing PCC and Install 4" thick of conventional AC

This Bid Item shall include all labor, material and equipment required to remove 3" thick of

existing and Install 4” thick of Conventional Asphalt over the removed 4’ thick slots at the locations shown on plan or as directed by the Engineer. All work shall conform to Sections 302-5 and 400-4 of the “Standard Specifications for Public Works Construction” and these Special Provisions.

The Contractor shall be responsible for removing all vegetation from the roadway surface and edge of pavement and sweeping in advance of the asphalt installation. The Contractor shall be responsible for furnishing and placing asphalt emulsion tack coat in advance of the overlay as provided in Section 302-5,"Asphalt Concrete Pavement," and Section 302-2.4, "Emulsified Asphalt," of the Standard Specifications for Public Works Construction and these Specification.

This Bid Item includes all labor, materials, and equipment sawcutting, removals, hauling and proper disposal, asphalt installation and compaction.

A tack coat shall be applied to all concrete or gutter surfaces that will be in contact with the asphalt surfacing and to the compacted subgrade prior to the placement of base course asphalt.

All work shall conform to Section 302-5 and 400-4 of the “Standard Specifications for Public Works Construction” and these Special Provisions.

All materials are subject to testing by the project soil engineer hired by the City.

Asphalt concrete shall be Type ~~C2-PG-64-10.~~ Tack coat shall be Grade SS-1H, per Section 302-5.4 and shall be applied to the perimeter of all AC removal and re placement locations and cold milling locations. (All tack coat overspray on gutter lip shall be removed.)

The Contractor shall use a PG Asphalt Binder.

PG Asphalt binder shall conform to the following requirements:

1. Description

Asphalt shall consist of refined petroleum or a mixture of refined liquid asphalt and refined solid asphalt, prepared from crude petroleum. Asphalt shall be:

- A. Free from residues caused by the artificial distillation of coal, coal tar, or paraffin.
- B. Free from water.
- C. Homogeneous.

2. Materials

- A. General

The Contractor shall furnish asphalt in conformance with the State of California Department of Transportation (Caltrans) "Certification Program for Suppliers of Asphalt." Caltrans maintains the program requirements, procedures, and a list of approved suppliers can be obtained from (Caltrans).

The Contractor shall ensure the safe transportation, storage, use, and disposal of asphalt. The Contractor shall prevent the formation of carbonized particles caused by overheating asphalt during manufacturing or construction.

B. Grades

Performance graded (PG) asphalt binder shall be PG 64-10 and conform to the following:

Performance Graded Asphalt Binder

Property	AASHTO Test Method	Specification Grade				
		PG 58-22 ^a	PG 64-10	PG 64-16	PG 64-28	PG 70-10
Original Binder						
Flash Point, Minimum °C	T48	230	230	230	230	230
Solubility, Minimum % ^b	T44	99	99	99	99	99
Viscosity at 135°C, ^c Maximum, Pa's	T316	3.0	3.0	3.0	3.0	3.0
Dynamic Shear, Test Temp. at 10 rad/s, °C Minimum G*/sin(delta), kPa	T315	58 1.00	64 1.00	64 1.00	64 1.00	70 1.00
RTFO Test ^e , Mass Loss, Maximum, %	T240	1.00	1.00	1.00	1.00	1.00

RTFO Test Aged Binder						
Dynamic Shear, Test Temp. at 10 rad/s, °C Minimum G*/sin(delta), kPa	T315	58 2.20	64 2.20	64 2.20	64 2.20	70 2.20
Ductility at 25°C Minimum, cm	T51	75	75	75	75	75
PAV ^f Aging, Temperature, °C	R28	100	100	100	100	100

RTFO Test and PAV Aged Binder						
Dynamic Shear, Test Temp. at 10 rad/s, °C Minimum G* sin(delta), kPa	T315	22 ^d 5000	31 ^d 5000	28 ^d 5000	22 ^d 5000	34 ^d 5000
Creep Stiffness, Test Temperature, °C	T313	-12	0	-6	-18	0

Maximum S-value, MPa		300	300	300	300	300
Minimum M-value		0.300	0.300	0.300	0.300	0.300

Notes:

- a. Recommended as asphalt rubber base stock for high mountain and high desert area.
- b. The Engineer may waive this specification if the supplier is a Quality Supplier as defined by the Caltrans' "Certification Program for Suppliers of Asphalt."
- c. The Engineer may waive this specification if the supplier certifies the asphalt binder can be adequately pumped and mixed at temperatures meeting applicable safety standards.
- d. The sample will be tested at 3°C higher if it fails at the specified test temperature. $G^* \sin(\delta)$ shall remain 5000 kPa maximum.
- e. "RTFO Test" means the asphaltic residue obtained using the Rolling Thin Film Oven Test, AASHTO Test Method T240 or ASTM Designation: D 2827.
- f. "PAV" means Pressurized Aging Vessel.

C. Sampling

The Contractor's asphalt supplier shall provide a sampling device in the asphalt feed line connecting the plant storage tanks to the asphalt weighing system or spray bar. The sampling device shall be accessible between 600 and 750 mm (30 inches) above the platform. The supplier shall provide a receptacle for flushing the sampling device.

The sampling device shall include a valve:

- 1) With a diameter between 10 and 20 mm.
- 2) Manufactured in a manner that a one-liter sample may be taken slowly at any time during plant operations.
- 3) Maintained in good condition.
The Contractor's supplier shall replace failed valves.
In the presence of the City Engineer, the Contractor's supplier shall take 2 one-liter samples per operating day. Round friction top containers with one-liter capacity for storing samples shall be provided.

D. Applying Asphalt

Unless otherwise specified, the Contractor shall heat and apply asphalt in conformance with the provisions in Caltrans Standard Specifications Section 93, "Liquid Asphalts."

The Contractor shall apply paving asphalt at a temperature between 120°C and 190°C. The City Engineer will determine the exact temperature of paving asphalt.

Subgrade preparation shall conform to Section 301-1 of the Standard Specifications for sections containing no aggregate base. After removal of the existing pavement section to the depths required to place the new AC section, re-compaction of the existing subgrade, if non-AC or non-

PC, will be required to 95 percent in conformance with the requirements set forth in Section 301-1.3 of the Standard Specifications for Public Works Construction.

At all locations where new asphalt concrete pavement is joining existing asphalt pavement, the Contractor shall sawcut or cold mill/grind existing pavement to provide straight neat lines and place the new asphalt concrete to form a smooth transition. Payment for sawcutting/grinding and removing the existing pavement shall be included in this Bid Item.

The Contractor shall be responsible for maintaining location of, and access to, all water line gate valves during construction operations.

Initial or breakdown compaction shall consist of a minimum of three roller passes coverage of a layer of asphalt mixture. A pass shall be a movement of a roller in both directions over the same path. Coverage shall be as many passes as are necessary to cover the entire width being paved. Overlap between passes during any coverage made to insure compaction without displacement of material in accordance with good rolling practice shall be considered a part of the coverage being made and not a part of a subsequent coverage. Each coverage shall be completed before subsequent coverage is started. Pneumatic rollers shall not be used without prior approval of the City Engineer. The top AC layer of each lane, once commenced, shall be placed without interruption.

Measurement

The quantities of the asphalt concrete to be paid for will be measured by the actual tonnage (ton) of material and no additional compensation will be allowed therefor. The Contractor shall furnish to the City Engineer at the time of delivery of the material on the job site a legible copy of a Licensed Weighmaster's Certificate showing gross, tare, and net weights of each truckload of asphalt concrete mixture.

Payment for Sawcut, Remove 4" of existing and Install 4" thick Conventional AC shall be per the unit price bid per SF and shall include full compensation for furnishing all labor, materials, tools, equipment, sawcutting, removals of 4" thick, hauling, surface preparation, including crack cleaning and sealing, soil sterilant, tack coating, spreading, grading, asphalt installation, compacting, hauling, proper disposing, and incidentals for doing all the work involved complete in place.

The City will not compensate the Contractor for any additional costs incurred by change or lack of availability of asphalt binders or variation of oil pipes.

Temporary asphalt concrete work where required by the City Engineer for traffic control or other purposes shall be considered included in the price bid for Traffic Control and no additional compensation will be allowed.

Bid Item No. 11 – Sawcut, Remove and Replace Concrete Curb Ramp.

This Bid Item shall include all labor, material and equipment required to sawcut, remove and replace concrete curb ramp including adjacent sidewalk and curb face and its gutter from BCR to ECR, curb and/or gutter, planting area, base, sub-base, and adjacent AC work complete in place for the project. Concrete curb ramp shall conform to the provisions of Section 201-1 of the Standard Specifications for Public Works Construction and shall be placed in accordance with Section 303-5 of the Standard Specifications for Public Works Construction.

Concrete curb ramp shall be per Standard Plans for Public Works Construction, Standard Plan 111-5, case and type per plans or per City Engineer's instruction.

Concrete Curb Ramp shall be constructed to the line, grades to match existing or as ordered by the Engineer. Existing surfaces to be joined shall be sawcut on a neat, straight line at the join location. The Contractor shall remove and replace any new concrete work with graffiti markings and blemishes at no additional cost to the City. Truncated, detectable warning surface shall be yellow and 4' wide and 3' long minimum. A sample of material shall be approved by the City Engineer prior to installation. Provision and installation of truncated detectable warning surface is a part of curb ramp construction and no further compensation will be allowed.

Payment for concrete curb ramp shall conform to the provisions of Subsection 303-5.9 of the Standard Specifications for Public Works Construction.

Payment for Sawcut, Remove and Replace Concrete Curb Ramp including curb face and gutter shall be paid for at the contract unit price per **Each (EA)**, and shall include full compensation for furnishing all labor, materials, tools, equipment, sawcutting, removals, backfilling, grading, compacting, forming, pouring, finishing, hauling, proper disposing, and incidentals for doing all the work involved complete in place and no additional compensation will be allowed.

Payment for one-foot wide AC pavement strip along the curb and gutter shall be included in this bid item of work and no additional compensation will be allowed.

Bid Item No. 12 – Provide and install Detectable Warning Surfaces.

This Bid Item shall include all labor, material and equipment required to construct yellow detectable warning surface on existing curb ramp complete in place for the project. The work shall be performed per Standard Plans for Public Works Construction, Standard Plan 111-5.

Detectable warning surface shall be installed to the line, grades and design shown on the plans or as ordered by the City Engineer. Truncated, detectable warning surface shall be yellow and 4' wide and 3' long minimum. A sample of material shall be approved by the City Engineer prior to installation.

Payment for Construction of Detectable Warning Surface shall be paid for at the contract unit price per **Each (EA)**, and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals for doing all the work involved complete in place and no additional compensation will be allowed therefor.

Bid Item No. 13 – Construct ARHM Overlay (2” Thick)

Asphalt concrete surface course shall be 2” thick Asphalt Rubber Hot Mix as shown on the plans, ARHM-GG-C, wet process, as specified in Section 203-11 and 302-9 of the Standard Specifications for Public Works Construction and shall conform to the following:

Composition and Grading shall be per Section 203-11.3 of the Standard Specifications for Public Works Construction. The Contractor shall submit a copy of the asphalt concrete mix design, a sample of the asphalt concrete, a sample of the aggregate, and a sample of the paving asphalt (AR or PG) to the City or its designated laboratory a minimum of two weeks prior to the start of construction.

The Contractor shall use a PG Asphalt Binder.

PG Asphalt binder shall conform to the following requirements:

1. Description

Asphalt shall consist of refined petroleum or a mixture of refined liquid asphalt and refined solid asphalt, prepared from crude petroleum. Asphalt shall be:

- A. Free from residues caused by the artificial distillation of coal, coal tar, or paraffin.
- B. Free from water.
- C. Homogeneous.

2. Materials

A. General

The Contractor shall furnish asphalt in conformance with the State of California Department of Transportation (Caltrans) “Certification Program for Suppliers of Asphalt.” Caltrans maintains the program requirements, procedures, and a list of approved suppliers at: <http://www.dot.ca.gov/hq/esc/Translab/fpmcoc.htm>.

The Contractor shall ensure the safe transportation, storage, use, and disposal of asphalt.

The Contractor shall prevent the formation of carbonized particles caused by overheating asphalt during manufacturing or construction.

B. Grades

Performance graded (PG) asphalt binder shall be PG 64-16 and conform to the following:

Performance Graded Asphalt Binder

Property	AASHTO Test Method	Specification Grade				
		PG 58-22 ^a	PG 64-10	PG 64-16	PG 64-28	PG 70-10
Original Binder						
Flash Point, Minimum °C	T48	230	230	230	230	230
Solubility, Minimum % ^b	T44	99	99	99	99	99
Viscosity at 135°C, ^c Maximum, Pa's	T316	3.0	3.0	3.0	3.0	3.0
Dynamic Shear, Test Temp. at 10 rad/s, °C Minimum G*/sin(delta), kPa	T315	58 1.00	64 1.00	64 1.00	64 1.00	70 1.00
RTFO Test ^e , Mass Loss, Maximum, %	T240	1.00	1.00	1.00	1.00	1.00
RTFO Test Aged Binder						
Dynamic Shear, Test Temp. at 10 rad/s, °C Minimum G*/sin(delta), kPa	T315	58 2.20	64 2.20	64 2.20	64 2.20	70 2.20
Ductility at 25°C Minimum, cm	T51	75	75	75	75	75
PAV ^f Aging, Temperature, °C	R28	100	100	100	100	100
RTFO Test and PAV Aged Binder						
Dynamic Shear, Test Temp. at 10 rad/s, °C Minimum G*/sin(delta), kPa	T315	22 ^d 5000	31 ^d 5000	28 ^d 5000	22 ^d 5000	34 ^d 5000
Creep Stiffness, Test Temperature, °C Maximum S-value, MPa Minimum M-value	T313	-12 300 0.300	0 300 0.300	-6 300 0.300	-18 300 0.300	0 300 0.300

Notes:

- a. Recommended as asphalt rubber base stock for high mountain and high desert area.
- b. The Engineer will waive this specification if the supplier is a Quality Supplier as defined by the Caltrans' "Certification Program for Suppliers of Asphalt."
- c. The Engineer will waive this specification if the supplier certifies the asphalt binder can be adequately pumped and mixed at temperatures meeting applicable safety standards.
- d. The Department will test the sample at 3°C higher if it fails at the specified test temperature. G*/sin(delta) shall remain 5000 kPa maximum.
- e. "RTFO Test" means the asphaltic residue obtained using the Rolling Thin Film Oven Test, AASHTO Test Method T240 or ASTM Designation: D 2827.
- f. "PAV" means Pressurized Aging Vessel.

C. Sampling

The Contractor shall provide a sampling device in the asphalt feed line connecting the plant storage tanks to the asphalt weighing system or spray bar. The sampling device shall be accessible between 600 and 750 mm above the platform. The Contractor shall provide a receptacle for flushing the sampling device.

The sampling device shall include a valve:

- 1) With a diameter between 10 and 20 mm.
- 2) Manufactured in a manner that a one-liter sample may be taken slowly at any time during plant operations.
- 3) Maintained in good condition.

The Contractor shall replace failed valves.

In the presence of the Engineer, the Contractor shall take 2 one-liter samples per operating day. The Contractor shall provide round friction top containers with one-liter capacity for storing samples.

D. Applying Asphalt

Unless otherwise specified, the Contractor shall heat and apply asphalt in conformance with the provisions in Caltrans Standard Specifications Section 93, "Liquid Asphalts." The Contractor shall apply paving asphalt at a temperature between 120° and 190°C. The Engineer will determine the exact temperature of paving asphalt.

The Contractor shall make modifications to the proposed mix design as required by the City or its designated laboratory to insure that the proposed asphalt concrete mix will meet the minimum stability ("S") values. No asphalt concrete shall be placed until such time as the City has tested and approved the Contractor's proposed asphalt concrete mix design. Aggregate produced from slag resulting from any steel-making process or from air-cooled iron blast furnace slag shall not be used on this project.

Asphalt concrete shall be placed with paving machine equipped with a "Preco" attachment or similar device for use in obtaining constant cross-slope and maximum joint quality.

The Contractor shall place the ARHM a maximum of 48 hours after the commencement of all edge grinding operations during any stage of the work for this project.

Apply SS-1H tack coat at a rate not to exceed one-tenth (1/10) gallon per square yard uniformly in one coat on all vertical joints of AC patching and P.C.C. surfaces and edges against which ARHM is to be placed. Diesel fuel shall not be used for cleaning purposed within the limits of this project.

Distribution and spreading shall conform to 302-5.5 except that at the time of delivery to the work site, the temperature of the ARHM-GG shall be 300°F minimum to 325°F maximum. At the discretion of the Owner's Representative, this maximum temperature may be raised to 350°F during cold climatic conditions. Atmospheric temperature shall be 50°F and rising or as approved by the agency's representative.

The Contractor shall utilize a paving machine equipped with an automatic adjusting screed, which is actuated by a 30-foot "ski", for the entire ARHM-GG overlay.

ARHM-GG shall not be placed in lifts that exceed four (4) inches in thickness. Breakdown compaction shall be performed with a two-axle or three-axle tandem or three-wheel roller weighing not less than 12 tons for all ARHM-GG lift thickness of four (4) inches or less. Breakdown compaction shall be performed with a vibratory roller weighing not less than 12 tons for all ARHM-GG lift thickness between two (2) and four (4) inches. When more than one layer of ARHM-GG is required, the layers shall be of equal thickness.

ARHM-GG shall be thoroughly compacted by rolling. The number of rollers necessary will be established in accordance with Section 302-5.6.1 of the Greenbook Specifications. All compacted ARHM-GG shall have a relative compaction of not less than 95 percent in accordance with Section 302-5.6.2 of the Greenbook Specifications.

Rolling along a joint shall be such that the widest part of the roller is on the hot side of the joint. Join lines between successive runs shall be within 6 inches of lane lines or a minimum of 12 feet outside of the outer most lane line.

Lots consisting of 500 tons will be established for ARHM-GG areas to be tested. The City or its designated laboratory shall perform density testing utilizing a properly calibrated nuclear asphalt-testing device. The City shall pay for all initial testing and a reasonable amount of retesting utilizing the nuclear asphalt-testing device. If the test results for any lot of ARHM-GG indicate that the relative compaction is below 95 percent the Contractor will be advised that he is not attaining the required relative compaction and that his materials or his procedures, or both, need adjustment. ARHM-GG spreading operations shall not continue until the Contractor has notified the Engineer of the adjustment that will be made in order to meet the required compaction. Core testing of areas not meeting the 95 percent requirement will be conducted by the City's designated lab. Any and all testing beyond the initial core testing will be at the sole expense of the Contractor.

If the test results for any lot of ARHM-GG continue to indicate that the relative compaction is less than 95 percent after adjustments have been made, the ARHM-GG represented by that lot may be required to be removed and replaced at the Contractor's expense and the Contractor shall suspend all further paving operations until the Contractor can demonstrate to the City that relative compactions of 95 percent can be obtained. It shall be the sole judgment of the City Engineer to determine adequate remedy and/or a reduction in compensation for any lot failing to meet 95 percent relative compaction.

The City's designated laboratory will obtain samples of the ARHM-GG from each lot to perform extraction tests to insure the proper aggregate gradation and asphalt content is being supplied in accordance with the approved ARHM-GG mix design. If the test results for any lot of ARHM-GG

indicate that the ARHM-GG does not meet the requirements of the approved mix design the Contractor will be advised that he is not attaining the required composition and grading and that his materials need adjustment. ARHM-GG spreading operations shall not continue until the Contractor has notified the Engineer of the adjustment that will be made in order to meet the approved mix design. If the test results for any lot of ARHM-GG continue to indicate that the composition and grading does not conform to the approved mix design after adjustments have been made, the ARHM-GG represented by that lot shall be removed and replaced at the Contractor's expense and the Contractor shall suspend all further paving operations until the Contractor can demonstrate to the City that the ARHM-GG is in accordance with the approved mix design.

The Contractor shall provide for adequate quality control measures to insure that delivery of asphalt rubber shall be neither too slow nor too fast to prevent stopping of the paving operation and/or cooling of the asphalt rubber material. Material delivery scheduling and handling is critical to provide for optimum compaction opportunity and maximize ride quality performance.

Rock dust blotter material shall be required immediately after the completion of the "finish rolling" and prior to opening to traffic to prevent bleeding and tracking of the asphalt rubber material.

Rock dust blotter shall be per Section 200-1.2 of the Standard Specifications and shall be uniformly applied using a mechanical spreader, which distributes uniformly at a rate of approximately three pounds per square yard. Compaction rollers shall not be allowed on the rock dust covered pavement surfaces. All excess rock dust blotter shall be removed from the street at the end of each workday. The removal of the rock dust blotter shall include removal from adjacent streets as needed. No excess rock dust blotter shall be left on any street after normal work hours. The cost of this application will be included into the contract unit price bid for ARHM.

Measurement

The quantities of the asphalt rubber hot mix (ARHM) to be paid for will be measured by the actual tonnage (ton) of material and no additional compensation will be allowed therefor. The Contractor shall furnish to the City Engineer at the time of delivery of the material on the job site a legible copy of a licensed weighmaster's certificate showing gross, tare, and net weights of each truckload of asphalt concrete mixture.

Tack Coat (Not a Bid item)

Existing concrete gutter and curb faces shall be protected against disfigurement from the asphalt. Residue of the material shall be removed from gutter and curb faces by sandblasting to the extent required by the Engineer.

The tack coat shall be applied as specified in Subsection 302-5.4 of the Standard Specifications and these Special Provisions. The Engineer will determine if the pavement is sufficiently dry for the application of the tack coat. Tack coat shall not be applied when the temperature of the surface to be tacked is below 40 degrees F in the shade.

No separate measurement and payment will be made for tack coat. Payment shall be included in the contract unit price for ARHM-GG Pavement.

Payment for Construction of 2” Thick ARHM Overlay, shall conform to the provisions of Subsection 302-5.9 of the Standard Specifications for Public Works Construction. All the requirements stated above shall be included in the unit price bid per **TON**. The contract unit price per ton shall include full compensation for all surface preparation furnishing all labor, materials, tools, equipment, removals, disposal, certified weigh tickets, and incidentals and for doing all the work involved, including furnishing, applying and cleaning up excess rock dust blotter. The City will not compensate the Contractor for any additional costs incurred by change or lack of availability of asphalt binders. Temporary surface work where required by the City Engineer for traffic control or other purposes shall be considered included in the price bid for Traffic Control and no additional compensation will be allowed.

Bid Item No. 14 – Install Conventional AC

This Bid Item shall include all labor, material and equipment required to construct **1 ½”-2” AC** over the grinded surfaces. All work shall conform to Sections 302-5 and 400-4 of the “Standard Specifications for Public Works Construction” and these Special Provisions.

All materials are subject to testing under separate Bid Item.

The Contractor shall be responsible for removing all vegetation from the roadway surface and edge of pavement and sweeping in advance of the overlay operation. The Contractor shall be responsible for furnishing and placing asphalt emulsion tack coat in advance of the overlay as provided in Section 302-5, "Asphalt Concrete Pavement," and Section 302-2.4, "Emulsified Asphalt," of the Standard Specifications for Public Works Construction and these Specification.

This Bid Item includes all labor, materials, and equipment required to prepare pavement for receiving overlay. This includes removing all vegetation from the edge of pavement, sweeping and washing the pavement if required, in advance of the any overlay operation. Also see section “Traffic Striping and Pavement Markings” found elsewhere in these specifications.

A tack coat shall be applied to all concrete or gutter surfaces that will be in contact with the asphalt surfacing and to the compacted subgrade prior to the placement of base course asphalt.

All work shall conform to Section 302-5 and 400-4 of the “Standard Specifications for Public Works Construction” and these Special Provisions.

All materials are subject to testing by the project soil engineer hired by the City.

Asphalt concrete shall be Type **C2-PG-64-10 for the overlay** course. Tack coat shall be Grade SS-1H, per Section 302-5.4 and shall be applied to the perimeter of all AC removal and re placement locations and cold milling locations. (All tack coat overspray on gutter lip shall be removed.)

The Contractor shall use a PG Asphalt Binder.

PG Asphalt binder shall conform to the following requirements:

1. Description

Asphalt shall consist of refined petroleum or a mixture of refined liquid asphalt and refined solid asphalt, prepared from crude petroleum. Asphalt shall be:

- A. Free from residues caused by the artificial distillation of coal, coal tar, or paraffin.
- B. Free from water.
- C. Homogeneous.

2. Materials

A. General

The Contractor shall furnish asphalt in conformance with the State of California Department of Transportation (Caltrans) "Certification Program for Suppliers of Asphalt." Caltrans maintains the program requirements, procedures, and a list of approved suppliers can be obtained from (Caltrans).

The Contractor shall ensure the safe transportation, storage, use, and disposal of asphalt. The Contractor shall prevent the formation of carbonized particles caused by overheating asphalt during manufacturing or construction.

B. Grades

Performance graded (PG) asphalt binder shall be PG 64-10 and conform to the following:

Performance Graded Asphalt Binder

Property	AASHTO Test Method	Specification Grade				
		PG 58-22 ^a	PG 64-10	PG 64-16	PG 64-28	PG 70-10
Original Binder						
Flash Point, Minimum °C	T48	230	230	230	230	230
Solubility, Minimum % ^b	T44	99	99	99	99	99
Viscosity at 135°C, ^c Maximum, Pa's	T316	3.0	3.0	3.0	3.0	3.0
Dynamic Shear, Test Temp. at 10 rad/s, °C Minimum G*/sin(delta), kPa	T315	58 1.00	64 1.00	64 1.00	64 1.00	70 1.00

RTFO Test ^e , Mass Loss, Maximum, %	T240	1.00	1.00	1.00	1.00	1.00
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RTFO Test Aged Binder						
Dynamic Shear, Test Temp. at 10 rad/s, °C Minimum G*/sin(delta), kPa	T315	58 2.20	64 2.20	64 2.20	64 2.20	70 2.20
Ductility at 25°C Minimum, cm	T51	75	75	75	75	75
PAV ^f Aging, Temperature, °C	R28	100	100	100	100	100

RTFO Test and PAV Aged Binder						
Dynamic Shear, Test Temp. at 10 rad/s, °C Minimum G* sin(delta), kPa	T315	22 ^d 5000	31 ^d 5000	28 ^d 5000	22 ^d 5000	34 ^d 5000
Creep Stiffness, Test Temperature, °C Maximum S-value, MPa Minimum M-value	T313	-12 300 0.300	0 300 0.300	-6 300 0.300	-18 300 0.300	0 300 0.300

Notes:

- a. Recommended as asphalt rubber base stock for high mountain and high desert area.
- b. The Engineer may waive this specification if the supplier is a Quality Supplier as defined by the Caltrans' "Certification Program for Suppliers of Asphalt."
- c. The Engineer may waive this specification if the supplier certifies the asphalt binder can be adequately pumped and mixed at temperatures meeting applicable safety standards.
- d. The sample will be tested at 3°C higher if it fails at the specified test temperature. G*/sin(delta) shall remain 5000 kPa maximum.
- e. "RTFO Test" means the asphaltic residue obtained using the Rolling Thin Film Oven Test, AASHTO Test Method T240 or ASTM Designation: D 2827.
- f. "PAV" means Pressurized Aging Vessel.

C. Sampling

The Contractor's asphalt supplier shall provide a sampling device in the asphalt feed line connecting the plant storage tanks to the asphalt weighing system or spray bar. The sampling device shall be accessible between 600 and 750 mm (30 inches) above the platform. The supplier shall provide a receptacle for flushing the sampling device.

The sampling device shall include a valve:

- 1) With a diameter between 10 and 20 mm.

- 2) Manufactured in a manner that a one-liter sample may be taken slowly at any time during plant operations.
- 3) Maintained in good condition.
The Contractor's supplier shall replace failed valves.
In the presence of the City Engineer, the Contractor's supplier shall take 2 one-liter samples per operating day. Round friction top containers with one-liter capacity for storing samples shall be provided.

D. Applying Asphalt

Unless otherwise specified, the Contractor shall heat and apply asphalt in conformance with the provisions in Caltrans Standard Specifications Section 93, "Liquid Asphalts."

The Contractor shall apply paving asphalt at a temperature between 120°C and 190°C. The City Engineer will determine the exact temperature of paving asphalt.

Subgrade preparation shall conform to Section 301-1 of the Standard Specifications for sections containing no aggregate base. After removal of the existing pavement section to the depths required to place the new AC section, re-compaction of the existing subgrade, if non-AC or non-PC, will be required to 95 percent in conformance with the requirements set forth in Section 301-1.3 of the Standard Specifications for Public Works Construction.

At all locations where new asphalt concrete pavement is joining existing asphalt pavement, the Contractor shall sawcut or cold mill/grind existing pavement to provide straight neat lines and place the new asphalt concrete to form a smooth transition. Payment for sawcutting/grinding and removing the existing pavement shall be included in this Bid Item.

The Contractor shall be responsible for maintaining location of, and access to, all water line gate valves during construction operations.

Initial or breakdown compaction shall consist of a minimum of three roller passes coverage of a layer of asphalt mixture. A pass shall be a movement of a roller in both directions over the same path. Coverage shall be as many passes as are necessary to cover the entire width being paved. Overlap between passes during any coverage made to insure compaction without displacement of material in accordance with good rolling practice shall be considered a part of the coverage being made and not a part of a subsequent coverage. Each coverage shall be completed before subsequent coverage is started. Pneumatic rollers shall not be used without prior approval of the City Engineer. The top AC layer of each lane, once commenced, shall be placed without interruption.

Measurement

The quantities of the asphalt concrete to be paid for will be measured by the actual tonnage (ton) of material and no additional compensation will be allowed therefor. The Contractor shall furnish to the City Engineer at the time of delivery of the material on the job site a legible copy of a

Licensed Weighmaster's Certificate showing gross, tare, and net weights of each truckload of asphalt concrete mixture.

Payment for Construction of Asphalt Concrete shall be per the unit price bid per **TON** and shall include full compensation for furnishing all labor, materials, tools, equipment, all surface preparation, including crack cleaning and sealing, soil sterilant, tack coating, spreading, grading, compacting, hauling, proper disposing, and incidentals for doing all the work involved complete in place.

The City will not compensate the Contractor for any additional costs incurred by change or lack of availability of asphalt binders or variation of oil pipes.

Temporary asphalt concrete work where required by the City Engineer for traffic control or other purposes shall be considered included in the price bid for Traffic Control and no additional compensation will be allowed.

Bid Item No. 15 – Adjust Storm Drain/Sewer/Utility Manhole Frames and Covers to Finished Grade

This Bid Item shall include all labor, equipment and materials to adjust existing sewer/storm drain/utility manholes/vault covers within the project limits to match finished grade if required. The work shall be performed in accordance with the provisions of Subsection 301-1.6 and Subsection 302-5.8 of the Standard Specifications for Public Works Construction and per Standard Plans for Public Works Construction.

All existing covers that can be lowered and raised shall be lowered **prior** to cold milling/removal and adjusted to finished grade by the Contractor or by the Utility Owner for the Contractor. For utility frames and covers under the jurisdiction of Verizon, AT&T, Edison, Los Angeles County Flood Control District, Los Angeles County Sanitation Districts, and County Sewer Maintenance Districts, the Contractor shall contact these organizations to arrange for adjustment of their respective facilities a **minimum of four (4) working days prior** to cold milling/paving operations in accordance with **Section 301-1.6** of the Standard Specifications.

The adjustment of existing manholes to finished grade shall be performed after finish paving. The removal or addition of grade rings shall be required to facilitate adjustment. Frame and covers shall be thoroughly cleaned and reset to finished grade by cutting pavement one foot outside the limits of the frame and cover. Said cut shall be neat and uniform.

Payment for Adjustment Storm Drain/Sewer/Utility Manhole Frames and Covers to Finished Grade shall be paid for at the contract unit price per **Each (EA)** and shall be considered full compensation for labor and furnishing and placing all forms, materials, construction and expansion joints, curing compounds and equipment to complete the construction is considered as included in the price paid, and no additional compensation will be allowed therefor. Where the manhole frame and cover is performed by the utility owner, no compensation will be made to Contractor.

Bid Item No. 16 – Place Slurry Seal Type II with 3% Latex

SECTION 203-5 – EMULSION-AGGREGATE SLURRY

203-5.2 Materials

Materials shall conform to Subsection 203-5 of the Standard Specifications, except as modified herein. Emulsion – aggregate slurry shall be Type II, unless otherwise indicated on the plans or in these specifications. The amount and type of accelerator used shall be approved by the Engineer.

Emulsified asphalt shall be CQS-1h

Prior to a change of emulsion, Contractor shall thoroughly clean all emulsion tanks and mixing units to prevent any chemical reaction between the two applications.

Contractor shall schedule and coordinate the delivery of aggregate to the stockpile(s) such that: (1) deliveries originate at the plant and arrive at the stockpile site within normal work hours on the same calendar day, (2) delivery site and project name are explicitly state on each delivery ticket, (3) successive deliveries on the same calendar day show the cumulative total for that day, (4) copies of all delivery tickets are delivered to the Engineer before the end of the working day, whereas any delivery tickets not so delivered may be rejected by the Engineer. Any deviation from this process must have the prior approval of the Engineer.

203-5.6 Test Reports and Certification. A certification of material compliance shall be provided at least 48 hours prior to delivery of emulsion to the project.

Testing shall be accomplished by an accredited materials testing laboratory approved by the Engineer and paid for by the Contractor. Tests performed shall provide values corresponding to all parameters set forth in the table of requirements for the materials specified.

SECTION 302 – ROADWAY SURFACING

302-4 EMULSION – AGGREGATE SLURRY

302-4.2 Mixing

302-4.2.1 General. Transit mix trucks shall not be used.

Contractor shall arrange with the City for appropriate areas for stockpiling and batching. The stockpile areas shall be thoroughly cleaned, removing all excess material and all

material contaminated by spilled oil, and left with a neat, orderly appearance upon completion of slurry operations in that area.

All trucks which the Contractor proposes to use that exceed the legal load limit will be required to have overweight permits from the Agency.

Prior to the beginning of slurry operations, Contractor shall furnish, at no cost to the Agency, a current licensed weigh master's certificate indicating the net weight capacity of the aggregate bin.

Contractor shall supply the Engineer with licensed weigh master's certificates of weights for all aggregate delivered to the job during the course of each day. Aggregate so certified as being delivered for use in the contract shall be used only in the slurry mixture for this contract. Contractor shall also present weigh master's certificates for the amount of such aggregate remaining unused at the completion of the contract at no cost to the Agency. Payment shall be determined by deducting the amount of unused aggregate from the total amount of aggregate delivered, all as shown on the licensed weigh master's certificates. The certificates shall be presented to the Engineer on the same day the aggregate is delivered.

Water (excluding that water in the emulsified asphalt) shall be added at a rate of from 5 to 10 percent by weight of dry aggregate to ensure proper dispersion of the emulsified asphalt and proper workability, while (1) avoiding excess water which would allow separation and settlement of the aggregate, (2) avoiding insufficient water which would result in balling and coagulation in the mixer, and (3) permitting uncontrolled vehicular traffic as specified herein. The exact rate will be determined by the Contractor based upon field conditions subject to approval of the Engineer.

302-4.2.2 Continuous-Flow Mixers. The mixing unit shall be equipped with a fines feeder for addition of accelerator.

The spreader box shall be equipped with a suitable drag to erase ridges. A minimum 2-foot length of burlap material shall be attached to the entire width of the drag. The spreader box shall be equipped with a steering device.

The slurry spreader box shall be maintained in a good state of repair at all times. The spreader box main strike off squeegee (rubber) shall be new at the beginning of the contract and shall be maintained in a good state of repair throughout the contract.

Equipment shall be available for inspection before the beginning of the contract and again before work is to be accomplished.

302-4.3 Application

302-4.3.1 General. The first paragraph of Subsection 302-4.3.1 of the Standard Specifications is hereby deleted and replaced with the following:

The work shall consist of preparation, mixing asphaltic emulsion, aggregate, accelerator and water, and spreading the mixture on the pavement where shown on the plans.

Type II slurry shall be applied at an approximate rate of 1,250 square feet per extra long ton.

Actual spread rates shall be approved by the Engineer.

302-4.3.1.1 Preparation. Prior to application of the slurry, all cracks ¼ inch wide or greater shall be cleaned by blowing out debris with high pressure compressed air and the surrounding area shall be swept the same day. See following Section on Crack Sealing.

All isolated holes and spalls greater than 12 inch in width shall be skin patched and filled with AC F-AR-4000 compacted flush with existing surface.

Preparation shall include protection of pavement markers, manhole and valve covers, trimming of interfering trees, shrubbery and ground growth, removing trimmed vegetation, controlling nuisance water, and sweeping. Immediately prior to slurry application, the surface shall be cleaned of dust, dirt and other foreign material.

Contractor shall protect existing raised pavement markers, vault covers, manholes, valve box covers by means approved by the Agency prior to the commencement of any slurry application.

Slurry on each street should be spread from projection of curb/gutter line of crossing street.

Slurry shall not be applied over any manhole, valve, survey monument, or miscellaneous frames and covers. Any material used to protect such devices shall be removed and disposed of lawfully by the Contractor.

302-4.3.2 Spreading The first sentence of Subsection 302-4.3.2 is hereby deleted and replaced with the following:

Slurry seal shall be placed only when the ambient temperature is above 50 degrees Fahrenheit and rising and the weather and air is dry. No slurry shall be placed during inclement weather or the threat of. Contractor will bear the responsibility of cancellation of work on these days and will be responsible for any damages which may arise from non-cancellation. The Contractor will be responsible for making corrective measures as necessary for removing and replacing any sealed surface that does not cure sufficiently within five days to prevent tire tracking. The weather and air of the day prior to beginning of slurring shall have been dry and above 50 degrees Fahrenheit.

Each slurry crew shall be composed of a coordinator at the project site at all times, a competent quick-set mixing person, a competent driver, and sufficient laborers for any

handwork and cleanup.

Prior to commencement of work, Contractor shall perform test sections for review and approval by the Engineer. The area of the test sections shall be at least 5,000 square feet. The section locations shall be in the area of the work, to be specified prior to construction. In no case will the Contractor begin operations until the test sections have adequately cured and he has received written approval by the Engineer. The approved mix design and test section shall be considered the standards for the operation.

No slurry seal shall be placed on a wet street or crossing without the Engineer's consent.

In areas with existing asphalt berms, the slurry application shall include the entire berm.

Intersections and commercial driveways shall be completed in two parts to allow ingress and egress to traffic. Sand may be spread over the fresh slurry only with the permission of the Engineer.

The cost of cleanup and/or damage caused by vehicles tracking through the slurry seal will be born solely by the Contractor.

All slurried streets shall be swept by power broom six (6) days after spreading.

302-4.4 Public Convenience and Traffic Control. The spreading schedule shall list the street segments in order of proposed application and denote which segments are to be completed each day.

The first paragraph of Subsection 302-4.4 of the Standards Specifications is hereby deleted and replaced with the following:

At least 7-working days prior to commencing work, the Contractor shall submit this slurring schedule to the Engineer for approval. This schedule shall allow ample on-street parking within a reasonable distance from homes and businesses for people affected by the slurry work on the streets. Requests for changes in the schedule shall be submitted by the Contractor to the Engineer for approval at least 48 hours (2 working days) prior to the scheduled slurry of the streets involved.

Temporary "No Parking" signs shall be posted at least 48 hours, but no more than 72 hours, in advance of the work. The signs shall be placed no more than 240 feet apart on each side of the street and at shorter intervals if conditions warrant. The Contractor shall provide the signs and will be responsible for adding the dates and hours of closure to the signs, removal of the signs, and furnishing and placing of barricades, if necessary, for posting of the signs. All signs shall be removed within 48 hours after the effective date. No signs shall be attached to trees, buildings, boxes, etc. in the right-of-way. Temporary traffic cone posts shall be used.

Failure of the Contractor to meet and complete his daily schedule due to conditions under

his control once a street has been posted and the aforesaid time provisions for changes in the schedule have elapsed will result in damages being sustained by the Agency. Such damages are, and will continue to be, impractical and extremely difficult to determine. For each day the Contractor fails to meet and complete the schedule after posting and after the aforesaid time provisions for changes in the schedule have elapsed, the Contractor shall pay to the Agency, or have withheld monies due to him the sum of two hundred fifty dollars (\$250) as liquidated damages for each calendar day.

In addition, the Contractor shall hand deliver a public notice to all adjacent residents and businesses affected by the work at least 48 hours (2 working days) in advance of the application of slurry.

Contractor shall provide barricades and other traffic control devices as necessary to eliminate traffic on areas of fresh slurry that might sustain damage from such traffic.

Whenever striping is obliterated, temporary reflective raised pavement markers shall be placed prior to the end of the working day that the striping is obliterated. The minimum striping delineation to be provided shall be temporary reflective raised pavement markers placed at longitudinal intervals of not more than 24 feet. The temporary reflective raised pavement markers shall be double yellow for the centerline and white for the lane line.

Temporary reflective raised pavement markers shall be placed in accordance with the manufacturer's instructions and shall be cemented to the surfacing with the adhesive recommended by the manufacturer, except epoxy adhesive which shall not be used.

302-4.2 Measurement and Payment. The second paragraph of Subsection 302-4.5 of the Standard Specifications is hereby deleted and replaced with the following:

The contract unit price per **Extra Long Ton (ELT)** shall include full compensation for furnishing and installing emulsion polymer as specified, accelerator or retardant and water, and all preparation, traffic control, temporary striping delineation, rubber tire rolling where specified, and other incidentals described in the work and no additional compensation shall be allowed thereof.

Bid Item No. 17 – Adjust Water Valve Cans and Covers and Surveying Monuments to Finished Grade

Adjusting of water valve cans and covers shall be in accordance with Section 301-1.6 of the Standard Specifications. The Contractor is to contact the water utility and determine if the utility wants the Contractor to lower and raise the water valves sleeves and covers or the water utility will do so on its own. In the latter case the Contractor will not be paid for this work.

All existing water utility covers that can be lowered and raised shall be lowered **prior** to cold milling/removal and adjusted to finished grade by the Contractor or the Utility Owner. The Contractor shall contact the utility or substructure owner organizations to arrange for adjustment of their respective facilities a **minimum of two (2) working days prior** to paving operations in accordance with **Section 301-1.6** of the Standard Specifications.

Adjustment of existing water valve sleeves shall also be performed after finish paving and covers are to be painted should the Utility Owner want the cover to be painted. The Utility Owner will let the City know what color is to be used.

Payment for Adjustment of Water Valve Cans and Covers to Finished Grade shall be based on **Each (EA) Unit Price** basis and shall be considered full compensation of all costs associated with their adjustment including labor, materials, equipment, tools, traffic control and incidentals for doing all the work involved complete in place.

Bid Item No. 18 – Adjust Water Meter Boxes/Utility Pull Box and Covers to Finished Grade

Meter boxes or Street light shall be either precast reinforced concrete or of fiber construction and shall match and conform to the provision of the water purveyor and the City Standard Specifications. Existing meter boxes in good condition may be reused if not disturbed as approved by the City Engineer and/or the owner. Broken covers and those not conforming to the above or the requirements on the plans shall be replaced. Existing meter boxes not reused or noted for future use shall be removed and salvaged and the area of removal repaired in kind with the surrounding area, but at a minimum to the minimum standards for the said material used.

Payment for Adjustment of Water Meter Boxes and Covers to Finished Grade shall be paid for at the contract **unit price per Each (EA) Unit Price** basis and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals for doing all the work involved complete in place.

Bid Item No. 19 – Install Public Improvement Project Signs

The Contractor shall supply, erect, and maintain public improvement project signs for the duration of construction according to the specifications set forth below. A scaled layout of the sign shall be submitted to the City Engineer for approval prior to fabrication. The sign is illustrated in Appendix “C”.

Size: 4 feet by 4 feet with a 7 feet clearance above ground level.

Materials: 3/4-inch (exterior type) plywood (C-C EXT-DFPA grade).

Support: 4-inch by 4-inch by 10 feet posts.

- Mounting: Frame shall be constructed using 2 inches by 6 inches by 8 feet skids centered on each post and a 2 inch by 4 inches by 5 feet 6 inches 45-degree brace for each skid and a 2 inches by 6 inches cross-strut between the bottom of the posts all of bolted construction. Plywood panel shall be mounted using 3/8 inch by 5 inches carriage bolts at 16 inches maximum on center.
- Paint: Panel Face: Three coats outdoor enamel (sprayed) Panel Rear and Frame: Two coats outdoor enamel (sprayed).
- Color: Stark white background and blue lettering.
- Lettering: Silkscreen enamels, Helvetica medium.
- Covering: 1/4 inch clear plastic.
- Location: The signs shall be placed at each end of the street that work is being constructed on. If various locations of work are included, the signs will be moved by the Contractor per the AGENCY's schedule.
- Duration: The signs shall be placed a minimum of one week prior to start of work.
- Disposition: After the Notice of Completion is issued, the sign shall become the property of the AGENCY, and the Contractor shall deliver the sign to the Public Works Facility at no expense to the AGENCY.

Payment for Installation of Public Improvement Project Signs shall be based on **Each (EA)** Unit Price basis and shall include full compensation for all labor materials, tools, equipment, and for doing all work involved, including delivery of the sign to the Public Works Facility at the end of the project.

Bid Item No. 20 – Traffic Signing, Striping, Markings and Curb Painting

Traffic Signing, Striping, Markings, and curb painting as shown on Contract Drawings shall conform to the Standard Specifications of the State of California (latest edition), Department of Transportation, Sections No. 82, 84 and 85 (CALTRANS) and also as modified below.

Traffic stripes, pavement markings of arrows, symbols, numbers and words, shall conform to the California Department of Transportation Standard Specifications; **Section 84-2 Thermoplastic Traffic Stripes and Pavement Markings, latest edition.**

For existing striping or markings shown to be replaced outside of new pavement area and on existing concrete surface, Contractor shall remove by wet sandblasting only all existing striping/legends/markings. Raised dots and markings shall be removed by grinding.

Prior to project grinding and removal work, Contractor shall video all existing markings, painting and pavement devices for use in carrying out this Bid Item.

As part of this Bid Item, the Contractor shall replace in kind the customized thermoplastic striping cross walk at Middleton Avenue/ Zoe Avenue and Saturn Avenue/Miles Avenue Intersections at no extra cost to the City.

Raised pavement markers other than blue hydrant markers shall conform to the California Department of Transportation Standard Specifications Section 85, current edition, and shall be of type as called for on the plans.

The Contractor shall furnish the necessary control points for all striping and markings, and shall be responsible for the completeness and accuracy thereof to the satisfaction of the City Engineer.

Painted and raised pavement marker removal shall conform to Section 85 of the Caltrans Standard Specifications, current edition. All residue remaining as a part of the removal operations shall be removed from the site.

Layout shall be approved, in writing, by the Engineer prior to placing Thermoplastic, curb painting and markings.

Thermoplastic Pavement striping and markings are per Caltrans Standard Plans.

Markings, as used in these Specifications, include both lines and miscellaneous markings applied to the pavement surface, painting of red curb and the installation of raised pavement markers. Materials and installation for painted and raised pavement markers shall conform to Section 84 and 85 of Caltrans Standard Specifications, current edition.

The Contractor shall provide cat tracking for the centerline and lane lines the same day, following paving operations. Reflectorized “slurry tabs” may be used in lieu of painted cat tracking.

Place Raised Blue Reflective for Fire Hydrant

Two-Way Blue Reflective Fire Hydrant Raised Pavement Markers installation as shown on Contract Drawings are a part of this item and shall conform to the Standard Specification Section 312 Pavement Marker Placement and Removal and shall be in accordance with the Caltrans Traffic Manual Section 6 “Markings” for each fire hydrant.

Payment for Traffic Signing, Striping, Markings and Curb Painting shall be paid for at the contract unit price per **Lump Sum (LS)** and shall be considered full compensation for furnishing all labor, materials (including adhesives, glass beads, and paint), tools, equipment and incidentals necessary to perform all work, involved in, or appurtenant to the installation of pavement striping, raised reflective pavement markers, painting curbs, blue markers, including removal and installation of traffic signs and posts as indicated, complete in place for the width specified, and pavement markings of arrows, symbols, numbers and words, as shown on the plans and as required by the Project Specifications and no additional compensation will be allowed.

Bid Item No. 21 – Provide Construction Survey

It shall be the responsibility of the Contractor to supply any and all construction surveying and staking required. All surveying shall be performed under the direct supervision of a California Licensed Land Surveyor or a Civil Engineer duly licensed to perform land surveying.

It is the Contractor's responsibility to Re-establish Survey Monuments and Centerline ties as disturbed in the field and shall conform to Standard Specification for Public Works Construction Section 309 and as modified below. All work done on monuments shall be recorded and copies thereof filed with the City of HUNTINGTON PARK Engineer and the County Surveyor. This work will include all reestablishment of all monuments that are disturbed through the course of completing this project.

A corner record survey shall be completed and filed with the County of Los Angeles Surveyor for each survey monument that the Contractor resets. A copy of each corner record shall be provided to the City Engineer after filing with the County.

Construction Staking consists of furnishing transportation, labor, materials, and equipment to provide surveying and field engineering under the direction of a land surveyor or professional engineer licensed in the State of California. Furnish skilled labor, instrument platforms, ladders and such other temporary structures, required lighting for making and maintaining points and lines in connection with the surveys required.

Construction Staking shall conform to the Standard Specification Section 2-9. Work under this Section includes, but is not limited to, the following:

1. Establish and maintain horizontal and vertical control points from City Engineer-supplied benchmarks and baselines.
2. Establish temporary benchmarks.
3. Layout of all work.
4. Construction staking for earthwork and paving work required on the project.
5. Control, staking, and grade checking for all earthworks.
6. Control for construction of reinforcing steel, concrete work, and structural steel work.
7. Maintain records on reproducible contract drawings (ASCII points file) of as-constructed locations of project components and features during the course of the project.

City Engineer reserves the right to check the accuracy of Contractor's survey measurements and calculations. Regardless of whether or not the City Engineer exercises this right, the requirements for Contractor accuracy and adequacy will not be waived.

Copies of all completion survey notes, and other data shall be furnished to the City Engineer prior to beginning work that requires their use.

Prior to completion of Project and when requested by City Engineer, Contractor shall submit a copy of project drawing and certificate signed by California Registered Land Surveyor or

Professional Engineer as applicable, that elevations and locations of Work are in conformance with Contract Documents.

Contractor shall set permanent monuments and file "Record of Survey Map". The contractor shall be responsible to maintain a complete and accurate log of control and survey work as it progresses.

Contractor shall field verify locations of survey control points prior to starting any work on the Project Site. Contractor shall establish and submit to City Engineer any temporary control points as necessary due to construction activity. The Contractor shall notify City Engineer of any discrepancies discovered and resolve prior to starting any work.

The Contractor shall lay out work from the City Engineer's established control points, baselines, ranges and gauges and shall be responsible for all measurements in connection therewith. Furnish, at Contractor's expense, all stakes, templates, platforms, equipment, range markers, and labor as may be required in laying out any part of the Work from the points and lines established by the City Engineer. The Contractor will be held responsible for the execution of the Work to such lines and grades as may be established or indicated by the City Engineer. It shall be the responsibility of the Contractor to maintain and preserve all stakes and other marks established by the Surveyor/Engineer retained by the Contractor until authorized to remove them. If such marks are destroyed by the Contractor or through negligence prior to their authorized removal, they may be replaced by the City Engineer at City Engineer's discretion. The expense of replacement will be deducted from any amounts due, or to become due, the Contractor.

Surveying shall conform to methods, procedures, and requirements of the Caltrans Survey Manual. Contractor shall set finish grades at a maximum of 25-ft. intervals for dirt, 25-ft. intervals for rock and at all grade breaks. Contractor shall establish or reestablish baselines and field control points as necessary and provide all basic site engineering to assure accurate locations and elevations for construction. It will be Contractor's responsibility to verify location and elevation of existing structures and utilities as required for new work.

Control datum for survey may be indicated on Contract Drawings. Contractor shall locate and protect, or replace survey control and reference points, preserve permanent reference points during construction and provide record of survey for replacement at record monument. The Contractor shall report to City Engineer loss or destruction of any reference point or relocation required because of changes in grades or other reasons and replace dislocated survey control points based on original survey control. There will be no changes without prior written notice to City Engineer.

Payment for Construction Survey shall be paid for at the contract unit price per **Lump Sum (LS)** and shall be considered full compensation for furnishing labor, materials, equipment and removal after construction, and no additional compensation will be allowed therefor. Contractor shall submit electronic files of surveys conducted for Progress Payments with each Pay Request.

Bid Item No. 22- – Install Traffic Signal Loop Detectors, Type E and Connect to DLC

All equipment, materials, and components for traffic detector loops and the installation thereof, shall conform to the latest edition of the Caltrans Standard Plans and Standard Specifications, Section 86, "Signals and Lighting", latest edition, except as noted in the Special Provisions and on

the plans. These plans and specifications are hereinafter referred to as State Standard Plans and State Standard Specifications. Copies of these documents are available from Caltrans, District 7 office at 100 S. Main Street, Los Angeles, CA 90012 or the State Offices of Caltrans at 1900 Royal Oaks Drive, Sacramento, CA 95815 (916) 455-3520.

Traffic Signal Loop Detectors shall be Type E (6' diameter) per Caltrans Standard Plans ES-5A and ES-5B.

Contractor, as directed by City Engineer, shall remove existing loops and cut in new loops in AC or PCC areas.

Residue resulting from slot cutting/cleaning operations shall not be permitted to flow across shoulders or lanes occupied by public traffic and shall be removed from the pavement surface.

Contractor shall obtain approval from the City Engineer for exact location of new loop detector prior to final placement. Perform preliminary striping layout prior to loop detector layout.

The Contractor shall test the new detectors with a motor driven cycle, as defined in the California Vehicle Code, that is licensed for street use by the Department of Motor Vehicles. The unladen weight of the vehicle shall not exceed 220 pounds, and the engine displacement shall not exceed 100 cubic centimeters. Special features, components, or vehicles designed to activate the detector will not be permitted. The Contractor shall provide an operator who shall drive the motor driven cycle through the response or detection area of the detector at not less than three (3) miles per hour or more than seven (7) miles per hour. The detector sensor unit shall provide the required output in response to this test.

Payment for Installing Traffic Signal Loop Detector Type E and Connect to DLC shall be paid for at the contract unit price per **Each (EA) Unit Price** basis installed complete and operational and shall be considered full compensation for furnishing all labor, tools, equipment, materials, coordination and incidentals, and for doing all the work involved in furnishing, installing, removals, salvaging, filling, traffic detector loops and appurtenances, providing temporary modifications to traffic signal system during construction as required, restoration work, operationally complete in place, as shown on plans, and as specified in the special provisions, and as directed by the City Engineer.

Bid Item No. 23 – Provide Soil and Pavement Testing Services as Directed by the City Engineer - Allowance

The Contractor shall hire and retain soil material Laboratory for testing for any and all requiring testing as determined by the engineer, said material laboratory shall be approved by the engineer and shall be certified by both CALTRANS and American Concrete Institute (ACI). The chosen laboratory shall be required to perform compaction test for both sub-grade and asphalt concrete as well as plant inspection as directed by the engineer. This bid item shall be paid based on the

submitted charges by the material Soil Lab to the contractor. The agency has valued this item at \$30,000.

Bid Item No. 24 – Remove Tree Stump

Work under this section shall include but shall not be limited to, sawcutting, removal, grinding and clearing and disposal of tree stumps and roots as shown on Contract Drawings, Standard Plans for Public Works Construction, Standard Plan for Public Works Construction 523-2, and shall conform to Subsection 300-1 of the Standard Specifications for Public Works Construction. Contractor shall remove the roots of trees and grind the stump to a minimum depth of 18” as directed by City Engineer and install root barriers.

Prior to any work on any tree the Contractor shall provide a Certified Arborist to assure the pruning of tree roots should not cause the tree to die or compromising the stability of the tree.

Payment for Prune Tree Roots and Install Root Barriers including removal of stumps and roots shall be made on **Each (EA) Unit Price** and shall include full compensation for furnishing all labor, materials, tools, equipment, sawcutting, removal, hauling, properly disposing, and incidentals and for doing all the work involved complete in place, as shown on the drawings and directed by the City Engineer, for doing all the work involved complete in place and no additional compensation will be allowed.

Bid Item No. 25- Prune Tree and Install 10 ft long and 18” depth Root Barrier.

Work under this section shall include but shall not be limited to, sawcutting, removal, clearing and disposal of tree stumps and roots as shown on Contract Drawings, Standard Plans for Public Works Construction, Standard Plan for Public Works Construction 523-2, and shall conform to Subsection 300-1 of the Standard Specifications for Public Works Construction. Contractor shall root prune the roots of trees as directed by City Engineer and install root barriers.

Prior to any work on any tree the Contractor shall provide a Certified Arborist to assure the pruning of tree roots should not cause the tree to die or compromising the stability of the tree.

Payment for Prune Tree Roots and Install Root Barriers including removal of stumps and roots shall be made on **Each (EA) Unit Price** and shall include full compensation for furnishing all labor, materials, tools, equipment, sawcutting, removal, hauling, properly disposing, and incidentals and for doing all the work involved complete in place, as shown on the drawings and

directed by the City Engineer, for doing all the work involved complete in place and no additional compensation will be allowed.

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APPENDIX “A”

STANDARD PLANS

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CITY OF HUNTINGTON PARK

VARIOUS STREET IMPROVEMENT PROJECT

**FY 2018/2019
PROJECT NO. 2018-19
C.P. No. 862
RFP # 18-15**

LIST OF STANDARD PLANS

Plan No.

Description

Standard Plans for Public Works Construction:

SPPWC 110-2	Driveway Approaches
SPPWC 111-5	Curb Ramp
SPPWC 112-2	Curb and Sidewalk Joints
SPPWC 113-2	Sidewalk and Driveway Replacement
SPPWC 120-2	Curb and Gutter – Barrier
SPPWC 205-2	Sewer Manhole Adjustment
SPPWC 206-2	Manhole Raising Rings

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APPENDIX “B”

**DEPARTMENT OF INDUSTRIAL RELATIONS (DIR)
CONTRACTOR REGISTRATION NUMBER FORM**

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Department of Industrial Relations (DIR) Contractor Registration Number

Beginning July 1, 2014, contractors must register with the Department of Industrial Relations (DIR) before bidding on public works contracts in California. For more information, please refer to this section of the Department of Industrial Relations Website: <http://www.dir.ca.gov/Public-Works/PublicWorks.html>.

Per this requirement, provide the following information:

Contractor Name

Contractor Department of Industrial Relations Registration Number:

Expiration Date of Registration Number

*(THIS FORM MUST BE SUBMITTED WITH THE SEALED BID) *

APPENDIX “C”

PROJECT SIGN

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