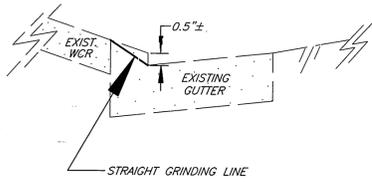


RIVERSIDE CITY OF RIVERSIDE CALIFORNIA

PUBLIC WORKS DEPARTMENT REHABILITATION OF ARTERIAL STREETS 1999-2000 STPL - 5058 (059)

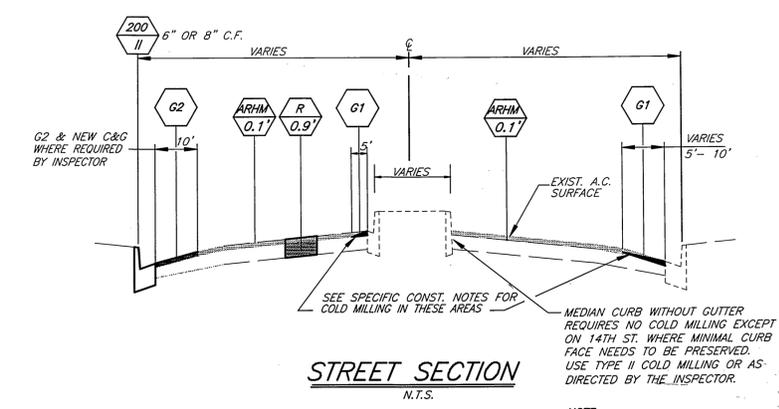


WCR CURB FACE GRINDING DETAIL
(NTS)

CALTRANS GENERAL NOTES

- The contractor shall apply for and obtain an encroachment permit from Caltrans, before beginning any work within State right of way.
- All work within the State right-of-way, shall conform to the latest State Standard Plans and Specifications or as directed by the State's Representative. Standards other than State Standards must be pre-approved and justified.
- No equipment or materials may be stored in the State right of way.
- All disturbed areas in the State right-of-way must be treated for erosion control (hydro-seeding or equivalent or as directed by the State's Representative). The responsibility for maintaining erosion control will not be released until the seeding is well established. The contractor will be responsible for Caltrans's cost of cleaning any drainage structures or channels cluttered with debris and/or silt as a result of, or caused by the construction project.
- The contractor shall be responsible for ensuring that any State drainage facility, which is connected to or directly affected by the contractor's operation, shall be operational prior to final acceptance of the permit work by the State. Adequate cleanouts and access openings shall be provided in any construction within the State's right-of-way for future maintenance and repair work as needed. This work shall be furnished at no cost to the State.
- Where survey monuments exist, they shall be protected or shall be referenced and reset pursuant to Business and Professions Code, Sections 8700 to 8805 (Land Surveyor's Act).
- Where required, the pavement must be saw-cut at the lane line or a minimum 2 feet from the existing edge of the pavement. The saw-cuts must be perpendicular to, parallel or concentric with the State Highway centerline.
- All signs, roadside markers, reflectors, etc. shall be protected and/or replaced in-kind, at no cost to the State, in accordance with the current State Standard Plans and the latest edition of the Traffic Manual.
- No freeway ramps or freeway lanes shall be closed or obstructed at any time unless specifically allowed per the encroachment permit and/or as directed by the State's Representative.
- All fencing, relocated to facilitate the construction of this project inside the State right-of-way, shall be replaced with type CL-6 fencing as shown in the State's Standard Plans.
- All signing, striping and pavement markings shall be in conformance with the current edition of the Traffic Manual, published by the State of California, Department of Transportation, and the Special Provisions. All pavement markings shall be thermoplastic unless otherwise noted on the plans.
- All conflicting striping and pavement markings, not shown on the plans, shall be removed from the pavement by sandblasting by the contractor.
- Any facility damaged by contractor operations shall be repaired or replaced, promptly at contractor's expense, in accordance with State specifications.

STREET	LIMITS	T.I	LENGTH
① FOURTEENTH STREET	BROCKTON TO HOWARD	9.5	4,100' 0.78 MILE
② INDIANA AVENUE	JEFFERSON TO MADISON	9.0	2,700' 0.51 MILE
③ IOWA AVENUE	SPRUCE TO COLUMBIA	10.5	3,900' 0.74 MILE
④ CHICAGO AVENUE	UNIVERSITY TO SPRUCE	9.5	4,800' 0.91 MILE
⑤ SPRUCE STREET	CHICAGO TO IOWA	10.0	2,600' 0.49 MILE
⑥ JURUPA AVENUE	U.P.R.R. TO STREETER	9.5	2,800' 0.53 MILE
⑦ STREETER AVENUE	MT. VIEW TO JURUPA	8.0	700' 0.13 MILE
TOTAL			21,600' 4.09 MILE 16,800' 3.18



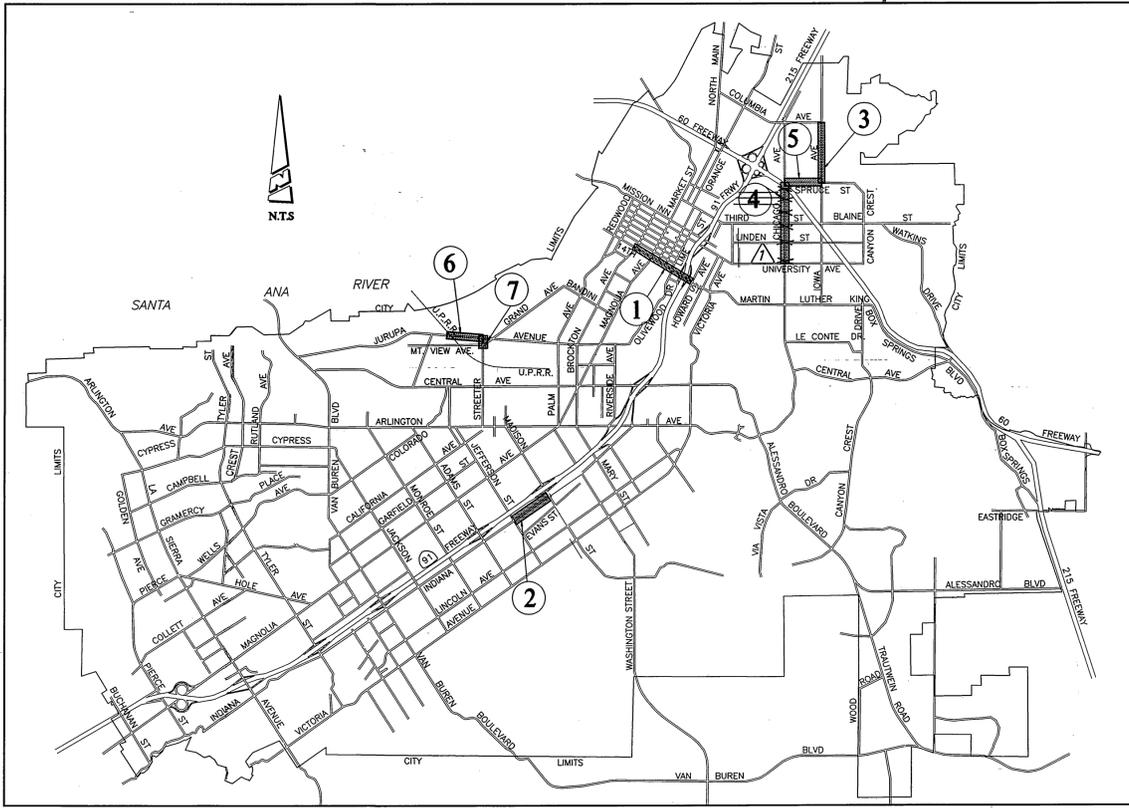
SPECIFIC CONSTRUCTION NOTES

- NUMBERS ABOVE 100 IN A HEXAGON ON THE PLAN REFER TO THE RESPECTIVE STANDARD DRAWING AND SHALL BE CONSTRUCTED ACCORDINGLY. UNLESS MODIFICATIONS ARE NOTED ON THE PLAN OR COVER SHEET. ANY NUMBER SHOWN BELOW THE STANDARD DRAWING NUMBER INDICATES THE SPECIFIC ALTERNATE TO BE CONSTRUCTED.
- CONSTRUCT ASPHALT RUBBER HOT MIX GAP GRADED (ARHM-GG) OVERLAY. OVERLAY THICKNESS
- COLD MILL EXIST. AC 0.08' BELOW GUTTER LIP OR OUTER EDGE, "DAY-LIGHTING" IN 5' TYPE I COLD MILLING). THE SURFACE OF AREAS WITH 10' WIDE COLD MILL, SHOWN ON THE PLAN, SHALL BE STRAIGHT GRADED IN ONE PASS FROM 0.1' AT THE OUTSIDE EDGE TO "DAY LIGHT" AT INSIDE EDGE.
- COLD MILL EXIST. AC 0.2' BELOW EXIST. AC SURFACE OR ADJACENT P.C.C. GUTTER (TYPE II COLD MILLING) STRAIGHT GRADE THE 10' WIDE COLD MILLED STRIP TO "DAY LIGHT" AT THE EXISTING A.C. SURFACE IN ONE PASS.
- REMOVE EXISTING PAVEMENT TO SAME DEPTH OF PAVEMENT STRUCTURAL SECTION. CONSTRUCT FULL DEPTH AC STRUCTURAL SECTION AS LISTED IN TABLE BELOW.

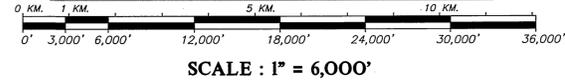
STREET	R-VALUE	A.C. THICK. FT.
FOURTEENTH ST.	15	1.13
INDIANA AVE.	50	0.67
IOWA AVE.	37	1.00
CHICAGO AVE.	54	0.67
SPRUCE ST.	38	0.90
JURUPA AVE.	10	1.18
STREETER AVE.	10	1.18

GENERAL CONSTRUCTION NOTES

- CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE STANDARD DRAWINGS AND STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 1997 EDITION.
- PRIME CONTRACTORS BIDDING THIS WORK SHALL HAVE A CLASS A OR C-12 LICENSE.
- THE SEAM BETWEEN PASSES OF THE AC OVERLAY SHALL COINCIDE, AS CLOSE AS POSSIBLE, WITH THE LANE LINES.
- GRADE SHEETS SHALL BE REQUIRED FOR CURB, C&G OR EDGE OF PAVEMENT REMOVALS GREATER THAN 50' IN LENGTH. THE CONTRACTOR SHALL ALLOW 96 HRS. AFTER REQUESTING SURVEY FOR SCHEDULING SURVEY AND PROCESSING GRADE SHEETS FOR REPLACEMENT OF THE IMPROVEMENTS.
- ALL CRACKS IN PAVEMENT 1/2" TO 1" IN WIDTH SHALL BE FILLED WITH A RUBBERIZED ASPHALT MATERIAL AND ALL CRACKS GREATER THAN 1" IN WIDTH SHALL BE FILLED WITH F-AR-4000 A.C. PRIOR TO APPLICATION OF ARHM - GG (SEE SPECIAL PROVISIONS).
- MANHOLES AND VALVES WITHIN THE COLD MILLING OR PAVEMENT REPLACEMENT LIMITS SHALL NOT BE ADJUSTED TO GRADE. INSTEAD, ENOUGH COLD MILLING (OR P.V.M.T. REMOVAL BY OTHER MEANS) SHALL BE DONE TO PROVIDE A SMOOTH FINISHED SURFACE TRANSITION AROUND THE COMPLETE CIRCUMFERENCE OF THE STRUCTURE. EXCEPTIONS TO THIS ARE WHERE M'S AND VALVES ARE WITHIN P.V.M.T. REMOVAL AREAS BUT ARE TOO CLOSE (WITHIN 3') TO THE ADJACENT PROPOSED A.C. OVERLAY.
- REPLACE DAMAGED TRAFFIC LOOP DETECTORS PER PART 7 OF THE SPECIAL PROVISIONS, (I.E. DAMAGE CAUSED BY COLD MILLING OR A.C. PAVEMENT REMOVAL).
- EXACT RESURFACING LIMITS SHALL BE VERIFIED WITH THE INSPECTOR PRIOR TO CONSTRUCTION. THE INSPECTOR MAY REQUEST ADDITIONAL COLD MILLING, PAVING, AND PAVEMENT R&R INTO SIDE STREETS TO IMPROVE RIDE QUALITY AND OTHER STREET CONDITIONS.
- MANHOLES, WATER VALVES AND FIRE HYDRANTS MUST BE LOCATED DURING CONSTRUCTION. THE VALVE BOXES MUST BE "TIED OUT" AS PART OF THE CONTRACTORS WORK. TO MAKE MANHOLE AND VALVE BOX ADJUSTMENTS AND BLUE HYDRANT MARKER INSTALLATIONS.
- PLAN INDICATES APPROXIMATE QUANTITIES OF WORK FOR EACH STREET. ACTUAL REMOVAL AND REPLACEMENT LIMITS OF DETERIORATED PAVEMENT AREAS WILL BE MARKED BY THE INSPECTOR PRIOR TO THE TIME OF CONSTRUCTION. QUANTITIES ARE SHOWN IN THE PLAN TABLE FOR BID ESTIMATING PURPOSES ONLY AND ACTUAL QUANTITIES WILL VARY. THESE QUANTITIES WERE ESTIMATED BY FIELD OBSERVATIONS TO BE SUFFICIENTLY ACCURATE FOR BID PURPOSES.
- BUS PADS TO BE CONSTRUCTED AT SPECIFIED LOCATIONS PER THE SPECIAL PROVISIONS AND THE REINFORCED CONCRETE BUS PAD DETAIL.



PROJECT LOCATION MAP



REHABILITATION QUANTITIES BY STREET LOCATION										
No.	ITEM	UNIT	FOURTEENTH	INDIANA	IOWA	CHICAGO	SPRUCE	JURUPA	STREETER	TOTAL
1	AC Pavement Removal	CY	125	280	1,015	570	670	630	210	2,930
2	AC Pavement Replacement (DGAC)	TON	245	570	2,055	1,160	1,350	1,300	420	5,940
3	Asphalt Rubber Hot Mix-Gap Graded	TON	2,775	1,460	2,580	3,050	1,350	1,735	200	10,100
4	R&R PCC C&G, Std. 200, Type I (6")	LF	880	190	300	400	200	400	180	2,750
5	R&R PCC C&G, Std. 200, Type I (8")	LF	185	25	50	70	40	40	0	340
6	PCC RETAINING CURB 0" TO 6" CF	LF	85	0	50	0	40	25	0	200
7	PCC BUS STOP 40' X 12'	SF	0	480	0	480	0	0	0	480
8	R&R PCC Sidewalk, Std. 325	SF	6,070	560	1,770	3,300	850	2,940	810	13,000
9	R&R PCC Cross Gutters, Std. 220	SF	0	0	0	0	0	1,200	0	1,200
10	R&R PCC Driveway Approach, Std. 302	SF	0	320	420	260	0	0	0	740
11	Cold Milling-Type I (5' Wide)	LF	7,560	4,600	5,500	9,100	3,500	6,170	570	27,900
12	Cold Milling-Type II (10' Wide)	LF	2,050	370	670	910	630	410	260	4,390
13	Cold Milling-Type III (10' Wide)	LF	800	0	500	600	0	500	0	1,800
14	Crack Fill (LF of Street) (F)	LF	4,100	2,700	3,900	4,800	2,600	2,800	700	16,800
15	Crack Repair (LF of Crack)	LF	1,640	1,100	1,570	930	1,050	1,130	280	6,770
16	Adjust Sewer or SD MH. to Grade	EA.	14	8	15	33	13	8	1	59
17	Replace Water Valve Box and Cover	EA.	4	3	4	5	2	3	0	16
18	Adjust Water Valve Frame and Cover to Grade	EA.	29	24	30	40	28	14	7	132
19	Adjust Water Manhole to Grade	EA.	0	1	1	2	1	0	0	3
20	Adjust Electric Vault to Grade	EA.	0	1	1	2	1	1	0	4
21	Detector Loop Installation	EA.	162	18	29	30	49	9	3	270
22	Type I - Two Way Blue Reflective Marker	EA.	16	12	16	8	8	12	0	64
23	Grind Existing Curb Depression at WCR (DETAIL ABOVE)	LF	42	5	20	80	30	90	5	192
24	AC Berm Std. 250, Type 1	LF	0	0	0	0	0	0	0	00
25	AC Sidewalk 2 1/2" Thick	SF	0	0	0	200	0	0	0	200
26	Remodel Catch Basin (LF of C.B.)	LF	10	0	0	10	0	0	0	10

IMPORTANT NOTICE
Section 4216/4217 of the Government Code requires a Dig Alert Identification Number to be issued before a "Permit to Excavate" will be valid. For your Dig Alert I.D. Number, call CALL TOLL FREE TWO WORKING DAYS BEFORE YOU DIG UNDERGROUND SERVICE ALERT 1-800-422-4133

ENGINEER IN RESPONSIBLE CHARGE
Ronald C. Mueller
RONALD C. MUELLER
R.C.E. No. 29510 EXPIRES 3/31/03
DATE 8-16-2000

REMOVED PAVEMENT SECTION DELETED CHICAGO AVENUE WORK AND REVISED QUANTITY TOTALS
APPROVED BY: [Signature]
DATE: 8/16/00
DESIGNED BY: ABE DRAWN BY: ABE CHECKED BY: ROM

CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT
APPROVED BY: [Signature]
DATE: 8-17-00
DEPUTY P.W. DIRECTOR: [Signature]
PRINCIPAL ENGINEER: [Signature]
TRAFFIC DIVISION SUPERVISOR: [Signature]
STREET SERVICES CONTRACT ADMIN.: [Signature]

REHABILITATION OF ARTERIAL STREETS 1999-2000 STPL - 5058 (059)
SHEET 1 OF 1
FILE NO. P:\ABC\R3582-02.DWG

ACCT. NO. JL 9537730205 440302 XX
JL 9537728711 440125 XX
R-3582
SHEET 1 OF 1
FILE NO. P:\ABC\R3582-02.DWG

INDEXED 1-23-2001 4ft