

LEGEND

- ASB - ASPHALT STABILIZED BASE (BOND BREAKER)
- CRCP - CONTINUOUSLY REINFORCED CONCRETE PAVEMENT
- PCRB - PORTLAND CEMENT REINFORCED BASE
- CTB - CONCRETE TRAFFIC BARRIER
- LTS - LIME TREATED SUBGRADE
- POL - POLYMER TREATED SURFACING
- MECHANICALLY STABILIZED EARTH
- WOP - METAL BEAM GUANO FENCE

NOTES

- ** SET EXISTING TYPICAL SECTION FOR DETAIL
- ** UNLESS AS SHOWN ON THE PLANS.

SCALE: 11:200 HORIZ 11:80 VERT

PROPOSED TYPICAL SECTION

1H 45

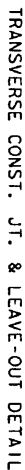
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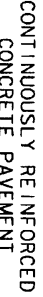
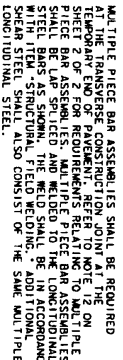
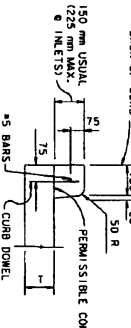
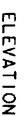
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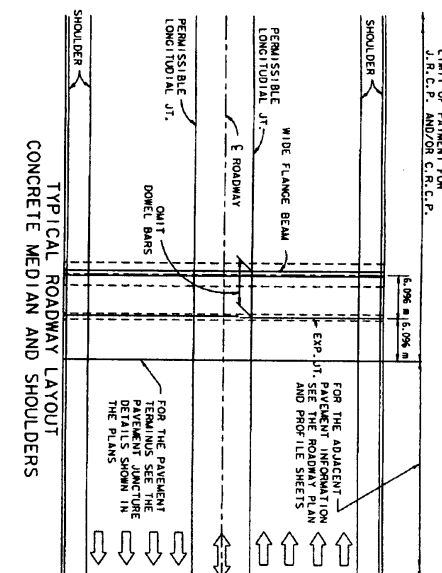
THE SEAL (Seal of the State of Texas, Department of Transportation, District 1, Houston)

TRANSVERSE CONSTRUCTION JOINT AT TEMPORARY
END OF CRCP BETWEEN ADJACENT PROJECTS



- ## JOINT SEALING DETAILS

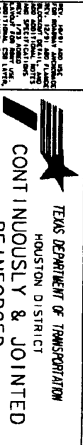
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TYPICAL ROADWAY LAYOUT CONCRETE MEDIAN AND SHOULDERS



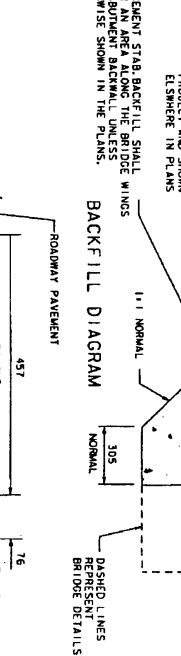
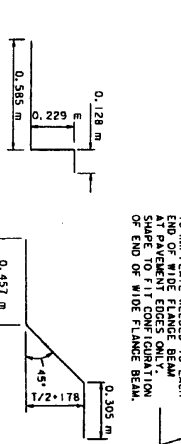
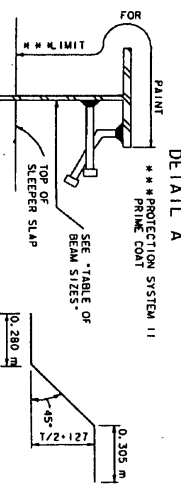
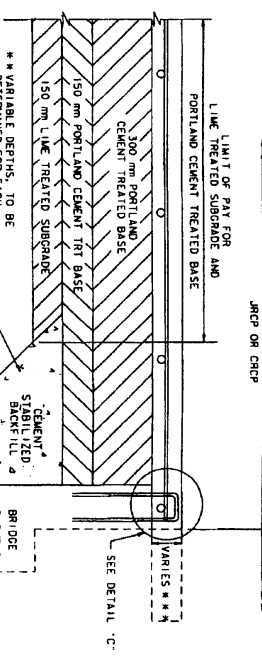
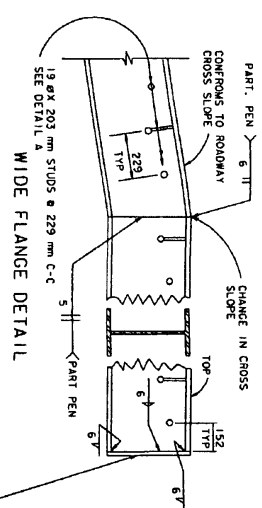
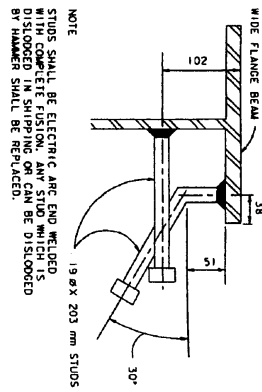
2. FOR ADDITIONAL DETAILS ON REINFORCEMENT MEMBER QUANTITIES AND THE WIDE FLANGE BEAM SEE SHEET 2 OF 2.



CONCRETE PAVEMENT DETAILS (M)

WIDE FLANGE TERMINAL ANCHORAGE SYSTEM
 (FOR USE AT WIDED END ON PAVEMENT TERMINUS)
 SHEET 1 OF 2

NO.	DESCRIPTION	QTY.	UNIT
1	REINFORCEMENT BARS	10	METER
2	COARSE AGGREGATE	10	CUMIC
3	FINE AGGREGATE	10	CUMIC
4	PORTLAND CEMENT	10	KGS
5	ADDITIONAL MATERIALS	10	SQ. METER
6	FORMWORK	10	SQ. METER
7	LABOR	10	HOUR
8	EQUIPMENT	10	HOUR
9	TRANSPORTATION	10	KILOMETER
10	TOTAL	10	



WIDE FLANGE PAINTING DETAIL

BARS A

BARS B

BARS C

ESTIMATED QUANTITIES

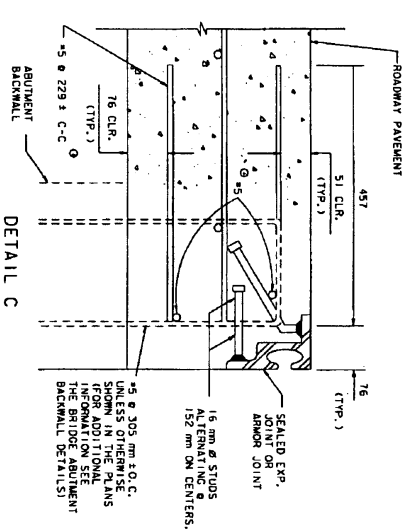
ITEM	200	225	250	275	300	325	350	375
SLEEPER	0.93 m ² /m	0.93 m ² /m	0.93 m ² /m	0.93 m ² /m	0.93 m ² /m	0.93 m ² /m	0.93 m ² /m	0.93 m ² /m
SLAB	12.92 kg/m	13.07 kg/m	13.22 kg/m	13.36 kg/m	13.51 kg/m	13.65 kg/m	13.80 kg/m	13.95 kg/m
CONC. (WIDE FLANGE ANCH)	0.18 m ² /m	0.18 m ² /m	0.18 m ² /m	0.18 m ² /m	0.18 m ² /m	0.18 m ² /m	0.18 m ² /m	0.18 m ² /m
BEIN. STL. (WIDE FLANGE ANCH)	9.23 kg/m	9.38 kg/m	9.52 kg/m	9.66 kg/m	9.80 kg/m	9.94 kg/m	10.08 kg/m	10.22 kg/m
BEIN. STL. (WIDE FLANGE ANCH)	6.04 m ² /m	6.04 m ² /m	6.04 m ² /m	6.04 m ² /m	6.04 m ² /m	6.04 m ² /m	6.04 m ² /m	6.04 m ² /m
STR STL. (WIDE FLANGE ANCH)	103.44 kg/m	103.44 kg/m	103.44 kg/m	103.44 kg/m	103.44 kg/m	103.44 kg/m	103.44 kg/m	103.44 kg/m
STR STL. (WIDE FLANGE ANCH)	6.74 kg EA	6.74 kg EA	6.74 kg EA	6.74 kg EA	6.74 kg EA	6.74 kg EA	6.74 kg EA	6.74 kg EA
PORTLAND CEMENT TREATED BASE	1.85 m ² /m	1.85 m ² /m	1.85 m ² /m	1.85 m ² /m	1.85 m ² /m	1.85 m ² /m	1.85 m ² /m	1.85 m ² /m
LIME TREATED SUBGRADE	0.30 m ² /m	0.30 m ² /m	0.30 m ² /m	0.30 m ² /m	0.30 m ² /m	0.30 m ² /m	0.30 m ² /m	0.30 m ² /m

* INCLUDES WEIGHT OF WIDE FLANGE BEAM AND STUDS

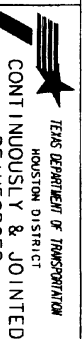
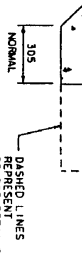
NOTES:

1. PORTLAND CEMENT SHALL BE TYPE I, 12.5% NO DENSITY, SAME CUTS, EXPANSION JOINTS, EPOXY COATED DOMEL BARS, AND EXPANSION JOINT MATERIALS WILL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE ITEM "CONCRETE PAVEMENT".
2. SUPPORT SLAB AND SLEEPER SHALL BE PAID FOR IN ACCORDANCE WITH SPECIAL SPECIFICATION ITEM "WIDE FLANGE TERMINAL ANCHORAGE SYSTEM".
3. WIDE FLANGE BEAM SHALL BE PAID FOR IN ACCORDANCE WITH ITEM "METAL FOR STRUCTURES".
4. SHEAR CUTTING OF DOMEL BARS IS PROHIBITED.
5. DOMEL BAR EPOXY COATING SHALL CONFORM TO THE SECTION "EPOXY COATING OF REINFORCING STEEL - UNDER ITEM "REINFORCING STEEL".
6. JOINT SEAL MATERIAL MEETS ASTM D-1056, "STANDARD SPECIFICATION FOR FLEXIBLE CELLULAR MATERIALS-SPONGE OR EXPANDED RUBBER" AS GRADE 282.
7. CEMENT STABILIZED BACKFILL IS REQUIRED AT ALL ABUTMENTS.
8. QUANTITIES SHOWN ARE BASED ON ALL JOINTS BEING NORMAL TO THE PAVEMENT. FOR SKewed JOINTS THE QUANTITIES MUST BE ADJUSTED.
9. THE PLACEMENT OF PORTLAND CEMENT TREATED BASE VARIES FROM 152 mm TO 457 mm WITHIN THE WIDE FLANGE ANCHORAGE SYSTEM AND THIS REQUIREMENT THAT PAVEMENT BE SPECIFIED AT CLASS B WEAR AND TEAR AND PAVEMENT OF VARIABLE DEPTH.
10. THIS STANDARD WILL BE USED WITH THE SPECIAL SPECIFICATION "WIDE FLANGE TERMINAL ANCHORAGE SYSTEM".

ALL DIMENSIONS ARE IN MILLIMETERS
(mm) UNLESS OTHERWISE SHOWN



BACKFILL DIAGRAM



TEXAS DEPARTMENT OF TRANSPORTATION
HOUSTON DISTRICT
CONCRETE PAVEMENT DETAILS (M)
REINFORCED
WIDE FLANGE TERMINAL ANCHORAGE SYSTEM
SHEET 2 OF 2

NO.	DESCRIPTION	QTY.	UNIT	AMOUNT
1	PORTLAND CEMENT TREATED BASE	1.85	m ² /m	1.85
2	LIME TREATED SUBGRADE	0.30	m ² /m	0.30
3	PORTLAND CEMENT TREATED TRIT BASE	1.85	m ² /m	1.85
4	LIME TREATED SUBGRADE	0.30	m ² /m	0.30
5	PORTLAND CEMENT TREATED BASE	1.85	m ² /m	1.85
6	LIME TREATED SUBGRADE	0.30	m ² /m	0.30
7	PORTLAND CEMENT TREATED TRIT BASE	1.85	m ² /m	1.85
8	LIME TREATED SUBGRADE	0.30	m ² /m	0.30
9	PORTLAND CEMENT TREATED BASE	1.85	m ² /m	1.85
10	LIME TREATED SUBGRADE	0.30	m ² /m	0.30
11	PORTLAND CEMENT TREATED TRIT BASE	1.85	m ² /m	1.85
12	LIME TREATED SUBGRADE	0.30	m ² /m	0.30
13	PORTLAND CEMENT TREATED BASE	1.85	m ² /m	1.85
14	LIME TREATED SUBGRADE	0.30	m ² /m	0.30
15	PORTLAND CEMENT TREATED TRIT BASE	1.85	m ² /m	1.85
16	LIME TREATED SUBGRADE	0.30	m ² /m	0.30
17	PORTLAND CEMENT TREATED BASE	1.85	m ² /m	1.85
18	LIME TREATED SUBGRADE	0.30	m ² /m	0.30
19	PORTLAND CEMENT TREATED TRIT BASE	1.85	m ² /m	1.85
20	LIME TREATED SUBGRADE	0.30	m ² /m	0.30