

2024-0422

**INTRODUCED BY: MATTHEW JEWELL, PARISH PRESIDENT
(DEPARTMENT OF PUBLIC WORKS)**

ORDINANCE NO. 25-1-3

An ordinance approving and authorizing the execution of Change Order No. 2 with Kass Bros., Inc., for Concrete Maintenance 2023-24 (Project No. P230803), to increase the contract amount by \$328,314.80 and to increase the contract time by sixty (60) days.

WHEREAS, Ordinance No. 22-7-2 adopted on July 5, 2022, by the St. Charles Parish Council, approved and authorized the execution of a Professional Services Agreement with Digital Engineering & Imaging, Inc., to perform planning services for the Road Maintenance 2022-23 (Project No. P220501), in the not to exceed amount of \$316,728.72; and,

WHEREAS, Ordinance No. 23-9-2 adopted on September 25, 2023, by the St. Charles Parish Council, approved and authorized the execution of Amendment No. 1 to Ordinance No. 22-7-2, which approved the Professional Services Agreement with Digital Engineering & Imaging, Inc. to perform planning services for the Road Maintenance 2022-23 (Project No. P220501), adding Concrete Maintenance 2023-24 (Project No. P230803), in the amount of \$211,740.00; and,

WHEREAS, Ordinance No. 24-7-19 adopted on July 22, 2024, by the St. Charles Parish Council, approved and authorized the execution of a Contract with Kass Bros., Inc., for Concrete Maintenance 2023-24 (Project No. P230803), in the amount of \$914,593.10; and,

WHEREAS, Ordinance No. 24-12-4 adopted on December 2, 2024, by the St. Charles Parish Council, approved and authorized the execution of Change Order No. 1 with Kass Bros., Inc., for Concrete Maintenance 2023-24 (Project No. P230803), to increase the contract amount by \$193,430.85 and increase the contract time by thirty-five (35) days; and,

WHEREAS, it is necessary to amend the contract and incorporate additional quantities added during construction that improved the quality of the roadway and to add the maintenance work on Ares Street, Scorpio Street, and Leo Street; and,

WHEREAS, St. Charles Parish and Kass Bros., Inc., have mutually agreed to increase the contract amount by \$328,314.80 and increase the contract time by (60) calendar days to complete the work.

THE ST. CHARLES PARISH COUNCIL HEREBY ORDAINS:

SECTION I. That Change Order No. 2 for Concrete Maintenance 2023-24 (Project No. P230803), to increase the contract amount by \$328,314.80 and to increase the contract time by sixty (60) days is hereby approved and accepted.

SECTION II. That the Parish President is hereby authorized to execute said Change Order on behalf of St. Charles Parish.

The foregoing ordinance having been submitted to a vote, the vote thereon was as follows:

YEAS: MOBLEY, FONSECA, WILSON, SKIBA, PILIE, COMARDELLE,
O'DANIELS, FISHER, DEBRULER
NAYS: NONE
ABSENT: NONE

And the ordinance was declared adopted this 6th day of January, 2025, to become effective five (5) days after publication in the Official Journal.

CHAIRMAN: Nelly Fonseca
SECRETARY: Michelle Dupont
DLVD/PARISH PRESIDENT: January 7, 2025
APPROVED: ✓ DISAPPROVED: _____

PARISH PRESIDENT: Matthew Jewell
RETD/SECRETARY: January 8, 2025
AT: 9:25am RECD BY: (Signature)

RECORDED IN THE ST. CHARLES PARISH
CLERK OF COURT OFFICE

ON 1/8/25
AS INSTRUMENT NO. 486228

IN MORTGAGE/CONVEYANCE/OATH BOOK

CHANGE ORDER

No. 02

DATE OF ISSUANCE 12/11/24

EFFECTIVE DATE 12/11/24

OWNER: St Charles Parish
CONTRACTOR: Kass Bros., Inc.
CONTRACT: Concrete Maintenance 2023-24
PROJECT: Concrete Maintenance 2023-24
OWNER's Contract No. P230803 ENGINEER's Contract No. P230803
ENGINEER Digital Engineering & Imaging, Inc.

You are directed to make the following changes in the Contract Documents:

Description:

- 1. Add the Following Work Items:
 - a # X004: 10" PCCP

Addition of \$ 241,372.80 SY(LF). 1734 SY @ \$139.20/SY.

Total of Added Work Items = (+ \$241,372.80)

- 2. Revise the Following Work Item Quantities:

- a # 020: REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT
Addition of \$ 38,692.00 (SY). 2276 SY @ \$17.00/SY
- b # 030: PORTLAND CEMENT CONCRETE PAVEMENT
Addition of \$ 48,250.00 (SY). 500 SY @ \$96.50/SY.

Total of Change in Work Items Quantity = (+ \$86,942.00)

Reason for Change Order:

- 1. Add Work Items
 - a Additional Concrete Roads being added to the Maintenance contract with 10" panels to increase the road strength for heavy traffic in Industrial area (Leo, Aries, and Scorpio)
- 2. Revise Work Item Quantities
 - a The existing contract item (020) is being increased in quantities for the removal of PCCP on Post St that were not included in the original assessment and includes the removal of PCCP for Leo, Aries, and Scorpio (1,734 SY). These additional quantities were assessed and agreed upon
 - b The existing contract item (030) is being increased in quantities for the additional panels on Post St that were not included in the original assessment. These additional quantities were assessed and agreed upon

Attachments: FC04, 10" Typical Details, & Engineer's Opinion of Probable Cost

CHANGE IN CONTRACT PRICE:
Original Contract Price \$ 914,593.10
Net Increase (Decrease) from previous Change Orders No. 1 to 2 : \$ 193,430.85
Contract Price prior to this Change Order: \$ 1,108,023.95
Net increase (decrease) of this Change Order: \$ 328,314.80
Contract Price with all approved Change Orders: \$ 1,436,338.75

CHANGE IN CONTRACT TIMES:
Original Contract Times: Substantial Completion: 11/08/24 Ready for final payment: 11/08/24 (days or dates)
Net change from previous Change Orders No. 1 to No. 2 : Substantial Completion: 35 Ready for final payment: 35 (days)
Contract Times prior to this Change Order: Substantial Completion: 12/12/2024 Ready for final payment: 12/12/2024 (days or dates)
Net increase (decrease) this Change Order: Substantial Completion: 60 Ready for final payment: 02/10/24 (days)
Contract Times with all approved Change Orders: Substantial Completion: 02/10/24 Ready for final payment: 02/10/24 (days or dates)

RECOMMENDED:

By: Josh L.

ENGINEER (Authorized Signature)

Date: 12/12/2024

APPROVED:

By: Matthew Jewell

OWNER (Authorized Signature)

Date: 1/7/25

ACCEPTED:

By: Bob W

CONTRACTOR(Authorized Signature)

Date: 12/12/24

ITEM NO.	DESCRIPTION OF WORK	Units	QTY	Unit Prices	SCHEDULED VALUE
Original Contract					
10	TEMPORARY CONSTRUCTION SIGNS AND BARRICADES	LS	1	\$ 5,000.00	\$ 5,000.00
20	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT	SY	5002	\$ 17.00	\$ 85,034.00
30	PORTLAND CEMENT CONCRETE PAVEMENT	SY	5002	\$ 96.50	\$ 482,693.00
40	CLASS II BASE COURSE (6" THICK)	SY	5777.6	\$ 16.00	\$ 92,441.60
50	REMOVAL OF CURBS (CONCRETE)	LF	3490	\$ 0.30	\$ 1,047.00
60	CONCRETE CURB	LF	3490	\$ 16.00	\$ 55,840.00
70	SAW CUTTING	INLF	22600	\$ 0.10	\$ 2,260.00
80	RELOCATION OF INFRASTRUCTURE ITEMS	LS	1	\$ 5,000.00	\$ 5,000.00
90	ADJUSTMENT OF MANHOLES	EA	5	\$ 400.00	\$ 2,000.00
91	ADJUSTMENT OF DRAINAGE STRUCTURES	EA	12	\$ 500.00	\$ 6,000.00
100	EXCAVATION	CY	1429	\$ 21.00	\$ 30,009.00
101	EMBANKMENT	CY	268	\$ 50.00	\$ 13,400.00
110	SODDING	SY	776	\$ 20.00	\$ 15,520.00
120	REFLECTORIZED RAISED PAVEMENT MARKERS (BLUE)	EA	2	\$ 350.00	\$ 700.00
140	MOBILIZATION / DEMOBILIZATION	LS	1	\$ 17,000.00	\$ 17,000.00
10	TEMPORARY CONSTRUCTION SIGNS AND BARRICADES	LS	1	\$ 700.00	\$ 700.00
20	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT	SY	600	\$ 17.00	\$ 10,200.00
30	PORTLAND CEMENT CONCRETE PAVEMENT	CY	600	\$ 96.50	\$ 57,900.00
40	CLASS II BASE COURSE (6" THICK)	SY	706.7	\$ 16.00	\$ 11,307.20
50	REMOVAL OF CURBS (CONCRETE)	LF	480	\$ 0.30	\$ 144.00
60	CONCRETE CURB	LF	480	\$ 16.00	\$ 7,680.00
70	SAW CUTTING	INLF	3163	\$ 0.10	\$ 316.30
100	EXCAVATION	CY	181	\$ 21.00	\$ 3,801.00
101	EMBANKMENT	CY	36	\$ 50.00	\$ 1,800.00
110	SODDING	SY	107	\$ 20.00	\$ 2,140.00
130	PLASTIC REFLECTIVE PAVEMENT STRIPING (24" WIDTH)	LF	24	\$ 90.00	\$ 2,160.00
140	MOBILIZATION / DEMOBILIZATION	LS	1	\$ 2,500.00	\$ 2,500.00
Original Contract Total				\$	914,593.10
Plan Change Order 01					
Field Change 01	DRAINAGE PIPE REPLACEMENT	LF	55	\$ 209.25	\$ 11,508.75
Field Change 02	DRIVEWAY REPLACEMENT	SY	100	\$ 124.97	\$ 12,497.00
Field Change 03	GRADE AND COMPACT EXISTING BASE	SY	3800	\$ 2.51	\$ 9,538.00
20	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT	SY	1296.85	\$ 17.00	\$ 22,046.45
30	PORTLAND CEMENT CONCRETE PAVEMENT	SY	1296.85	\$ 96.50	\$ 125,146.03
50	REMOVAL OF CURBS (CONCRETE)	LF	747.2	\$ 0.30	\$ 224.16
60	CONCRETE CURB	LF	747.2	\$ 16.00	\$ 11,955.20
70	SAW CUTTING	INLF	5152.6	\$ 0.10	\$ 515.26
Plan Change 01 Total				\$	193,430.85
Revised Contract Amount				\$	1,108,023.95
Plan Change Order 02					
Field Change 01	10" PCCP	LF	1734	\$ 139.20	\$ 241,372.80
20	REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT	SY	2276	\$ 17.00	\$ 38,692.00
30	PORTLAND CEMENT CONCRETE PAVEMENT	SY	500	\$ 96.50	\$ 48,250.00
Plan Change 02 Total				\$	328,314.80
Revised Contract Amount				\$	1,436,338.75



Site Preparation • Utilities • Concrete Paving • Trucking • Construction Materials

12/6/24

Tony San Martin
Digital Engineering
527 West Esplanade Ave.
Kenner, LA 70065

Re: St. Charles Concrete Maintenance 2023-24-PCO#4- 10" PCCP on Aries, Scorpio, Leo

Mr. San Martin,
On several of the streets included in the base bid, we have been instructed to not excavate and replace the base course, instead leaving the existing base material in-place under the new concrete. Our grading cost under the new concrete paving was included in the install cost of the new base course. By eliminating the base course, we have no mechanism to get compensated for the grading required under the concrete.

Therefore, we are pleased to provide our price for work on the above referenced project. This price would include all labor, materials, equipment, and supervision necessary to complete the following work:

Item #	Description	QTY	U/M	Bid Unit	Total
1	10" PCCP	1733.3	SY	\$ 139.20	\$ 241,275.36

This cost should be added to our contract through a change order. Should you have any questions or if you need any additional information, please do not hesitate to contact me directly at 504-214-3849.

Sincerely,
Kass Bros., Inc.


Brad Leckert
Vice President of Operations

P. O. Box 487 • Westwego, Louisiana 70096-0487 • Phone: 504.348.9018 • Fax: 504.340.0339
700 River Road • Westwego, Louisiana 70094
Website: www.kassbros.com
Approved LADOTD DBE / SBE Contractor / LA Contractor's License #14914

KASS

CONSTRUCTION

COST BREAKDOWN

Description: 10" PCCP Install- 200 sy set up per day, 300 sy pour per day
Quantity: 1733.3 SY

Labor	Unit	Qty	Hourly Rate	Total
Foreman	HRS	145	\$ 45.50	\$ 6,597.50
Operator -1 ea	HRS	145	\$ 36.00	\$ 5,220.00
Carpenter /Finisher -4 EA	HRS	580	\$ 34.00	\$ 19,720.00
Laborer -4 EA	HRS	580	\$ 23.00	\$ 13,340.00
Labor Cost				\$ 44,877.50
33% Field Supervision Cost				\$ 14,809.58
Subtotal				\$ 59,687.08
Public Liability Insurance (7.86%)				\$ 3,527.37
FICA/FUTA/SUTA (10.68%)				\$ 4,792.92
Workers Comp (6.80%)				\$ 3,051.67
Insurance & Taxes Cost				\$ 11,371.96
TOTAL LABOR				\$71,059.03

Materials	Quantity	Unit	Unit Price plus tax	Total
Concrete -4000 psi-3 Day	530.00	CY	\$182.05	\$ 96,486.50
Concrete Fuel Surcharge	53.00	EA	\$38.50	\$ 2,040.50
Highway Mesh	124.00	SHEET	\$77.28	\$ 9,582.72
Form Boards 2" x10" x 12'	100.00	EA	\$15.52	\$ 1,551.62
Curing Compound	156.00	gal	\$5.21	\$ 812.76
Keyway with #4 Bar and Stakes	1200.00	lf	\$2.85	\$ 3,420.00
Contraction Joints Baskets	1040.00	lf	\$9.79	\$ 10,181.60
Expansion Joint Redwood	68.00	LF	\$5.61	\$ 381.48
Grease	9.00	gal	\$36.21	\$ 325.89
Smooth Dowels 1 1/2"	150.00	ea	\$7.22	\$ 1,082.40
Epoxy	27.00	ea	\$22.00	\$ 594.00
#4 Bars -2 Ft	55.00	EA	\$1.04	\$ 57.20
Silicone Joint Sealant	75.00	ea	\$16.46	\$ 1,234.50
Material Cost				\$ 127,751.17
TOTAL MATERIAL				\$127,751.17

Equipment	Amt	HR	HR Rate	Total
				\$ -
Skid Steer	1	145.00	\$51.80	\$ 7,511.00
Service Truck	1	145.00	\$24.00	\$ 3,480.00
Equipment Subtotal				\$ 10,991.00
TOTAL EQUIPMENT				\$10,991.00

Subtotal	\$209,801.20
15% Profit Markup	\$31,470.18
Grand Total	\$241,271.38
Unit Price-Per SY	\$139.20

JOINT ABBREVIATIONS:



SLAB THICKNESS	SMOOTH DOWEL BARS			DEFORMED TIE BARS			KEYWAY	
	"1"	SIZE DOA	SIZE LENGTH (IN.)	SIZE LENGTH (IN.)	SIZE LENGTH (IN.)	A #/2	B #/4	
8	1 1/4	18	12	1/2	24	24	24	1/4
9	1 1/4	18	12	1/2	24	24	24	1/4
10	1 1/2	18	12	1/2	24	24	24	1/4
11	1 1/2	18	12	%	30	24	24	1/4
12	1 1/2	18	12	%	30	24	3	1/2
13	1 1/2	18	12	%	30	24	3	1/2
14	1 1/2	18	12	%	30	24	3	1/2

NOTE: MAXIMUM JOINT SPACING AT 18' WHEN PAVEMENT IS PLACED ON PERMEABLE BASE. (SEE SECTION 307)

- ① PAVEMENT EDGES SHALL BE SLIGHTLY ROUNDED $1/4" \pm$ APPROX.
- ② ASPHALT CONCRETE SHOULDER:
THE PAVED JOINTS SHALL BE SAW CUT AND CONSTRUCTED IN ACCORDANCE WITH SECTION 11 (SHEET 2 OF 3).
- ③ FOR SECTIONS A-A THROUGH J-J (SEE SHEET 2 OF 3).
- ④ ALL JOINTS TO BE USED WHERE SHOWN ON THIS SHEET OR AS SHOWN ELSEWHERE IN THE PLANS OR AS OTHERWISE DIRECTED BY THE ENGINEER.
- ⑤ ON TYPE EJ ALTERNATE JOINTS, SPOT WELD ALTERNATE ENDS OF BARS TO DOWEL BASKETS AND PLACE EXPANSION TUBES ON FREE OF DOWEL BARS.

⑥ FOR DESIGN SPEEDS GREATER THAN 45MPH: SAW CUT AND CONSTRUCT THE TYPE L-1, TCJ, DETAILS "A," B OR "C" TO A DEPTH OF 1/3 INCH. THE JOINT FACES BY SANDBLASTING; FOLLOW WITH JET IMMEDIATELY PRIOR TO SEALING WITH A SEALANT CONFORMING TO SECTION 1 005.

FOR DESIGN SPEEDS OF 45MPH OR LESS:

- SAW CUT AND SEAL TYPE LG JOINTS AS DESCRIBED IN NOTE 6.
- CONSTRUCT TYPE TCG OR CL JOINTS AS DESCRIBED IN NOTE 6 OR CONSTRUCT TYPE TCG JOINTS WITH AN IMPERMEABLE FORMING DEVICE AS SPECIFIED IN NOTE 6. REMOVE THE FORMING DEVICE IMMEDIATELY AFTER PLACING AND FINISHING THE JOINT. FOLLOWED BY AN OIL-FREE AIR JET IMMEDIATELY TO REMOVE EXCESS SEALANT. SEALANT TO BE APPLIED TO EXPOSED SURFACES OF JOINTS BEING JOINTED. JOINTS TO BE JOINTED ON EXTRUDED SEALANT CONFORMING TO THE SHAPES OF THE JOINTS TO BE JOINTED.
- JOINTS TO BE JOINTED WITH A COMBINATION JOINT FORMER/SEALER AS SHOWN IN SECTION 1001 SHALL BE JOINTED WITH A COMBINATION JOINT FORMER/SEALER AS SHOWN IN SECTION 1001 AND BE INSTALLED IN ACCORDANCE WITH SECTION 1001 AND NO ADDITIONAL SEALANT IS REQUIRED.

⑧ EXCEPT AS NOTED BELOW, DOWEL BARS & TIE BARS SHALL BE HELD IN PLACE BY SUPPORTS SIMILAR TO THE ONES SHOWN, OR APPROVED EQUALS. APPROVED MECHANICAL PLACEMENT OF DOWEL BARS AND TIE BARS WILL BE ALLOWED WITH ALL PAVING METHODS.

9 INSTALL GEOTEXTILE FABRIC (TYPE B, C, OR D) UNDER ALL T.C.I., C.J., AND E.J. ALTERNATE JOINTS WHEN CONCRETE PAVEMENT IS PLACED ON PERMEABLE BASE. WHEN DOWEL BARS ARE MECHANICALLY IMPLANTED, THE GEOTEXTILE FABRIC SHALL BE ANCHORED TO THE BASE COURSE WITH PINS.

13. WHEN CONSTRUCTING CONCRETE CURB AND GUTTER ADJACENT TO NEW EXISTING DRIVEWAYS, THE FIRST LOAD TRANSFER (C.C. ELEMENT) USE TYPE LBJ JOINT. THE FIRST LOAD TRANSFER C.C. ELEMENT SHALL BE INSTALLED 18" FROM THE PAVEMENT EDGE.

11. TRANSVERSE EXPANSION JOINTS ARE NOT TO BE USED FOR CONSTRUCTION JOINTS.

12. CONCRETE SHOULDERS

A. CONSTRUCT TCJ JOINTS IN ACCORDANCE WITH SECTION B-B (SHEET 2 OF 3).

B. CONSTRUCT LCJ JOINTS IN ACCORDANCE WITH TYPE LBJ DETAIL (SHEET 2 OF 3).

C. USE THE MAXIMUM SHOULDER THICKNESS WHEN LBJ DETAIL. SEE SECTION D-D (SHEET 2 OF 3).

D. DOWEL BAR AND TIE BAR SIZES IN TABLE 1.

E. WHEN SKEWED JOINTS ARE USED ON MAINLINE PAVING THE SHOULDER TCJ JOINTS MAY BE SKEWED OR CONSTRUCTED AT 90°.

F. SHOULDER JOINTS AND JOINT MATERIALS SHALL MATCH THE MAINLINE.

G. HEIGHT OF DOWEL BASKET SHALL BE BASED ON THE THINNEST SHOULDER THICKNESS. VARYING HEIGHT DOWEL BASKETS WILL BE ALLOWED TO KEEP THE DOWEL BAR LOCATED WITHIN TOLERANCE.

13. THE BARS SHALL NOT BE PLACED WITHIN 18" OF CONTRACTION OR EXPANSION JOINTS.

NOT TO SCALE

DATE: 10/13/2021

APPROVED BY CATER ENGINEER:

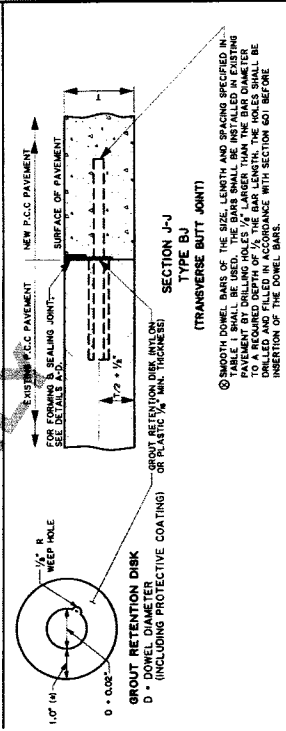
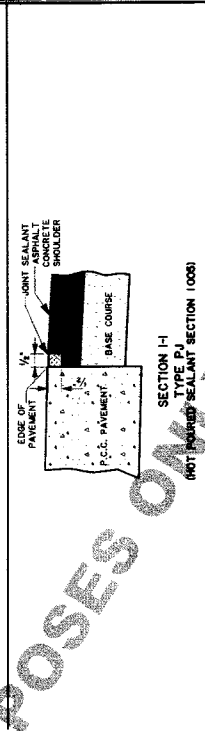
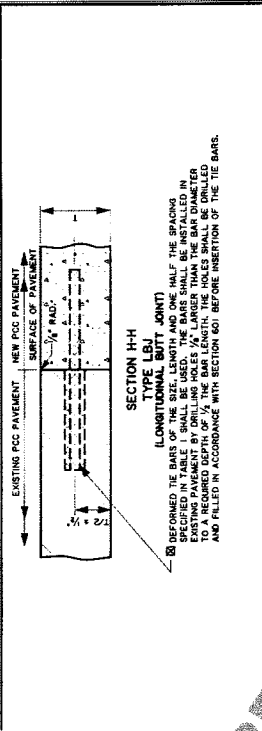
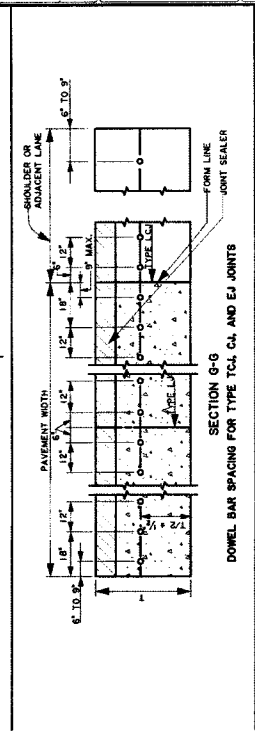
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PORTLAND CEMENT CONCRETE
PAVEMENT DETAILS



ROAD DESIGN



NOT TO SCALE

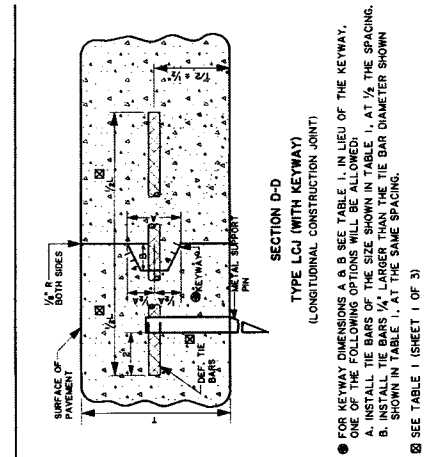
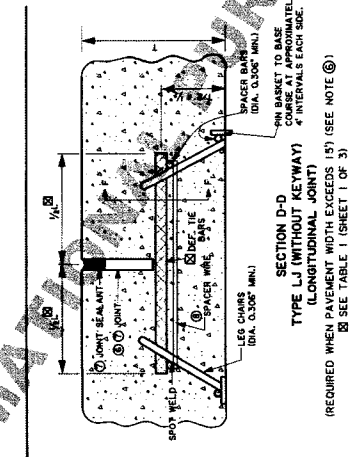
Diagram illustrating the construction of a joint for Type EJ-4* joint materials, showing a cross-section of a pavement slab with various dimensions and construction notes.

Dimensions and Labels:

- PAVING SLAB** (top and bottom layers)
- 4"** (width of the top paving slab)
- 1"** (thickness of the top paving slab)
- 2" (CLEARANCE (TYP.))** (gap between the top and bottom paving slabs)
- 2.1"** (width of the joint opening)
- 3'-6"** (width of the joint opening)
- 3'** (width of the joint opening)
- 2'-6"** (width of the joint opening)
- SLEEPER SLAB ②** (bottom layer)
- 1 1/2" ③** (thickness of the sleeper slab)
- 1 1/2" ④** (thickness of the sleeper slab)
- 1 1/2" ⑤** (thickness of the sleeper slab)
- 1 1/2" ⑥** (thickness of the sleeper slab)
- 1 1/2" ⑦** (thickness of the sleeper slab)
- 1 1/2" ⑧** (thickness of the sleeper slab)
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Notes:

- ① 1/2" RAD. (TYP.) FOR TYPE EJ-4* JOINT MATERIALS, SEE NOTE ②
- ② SUBGRADE TO BE COMPACTED AND SMOOTH BEFORE POURING PAVING SLAB. BOTTOM OF BELOW TOP OF SLEEPER SLAB.
- ③ TROWEL FINISHING
- ④ SURFACE SMOOTH
- ⑤ SECTION C-C
- ⑥ TYPE EJ-4* JOINT AND SLEEPER SLAB
- ⑦ TOP & BOTTOM EACH WAY

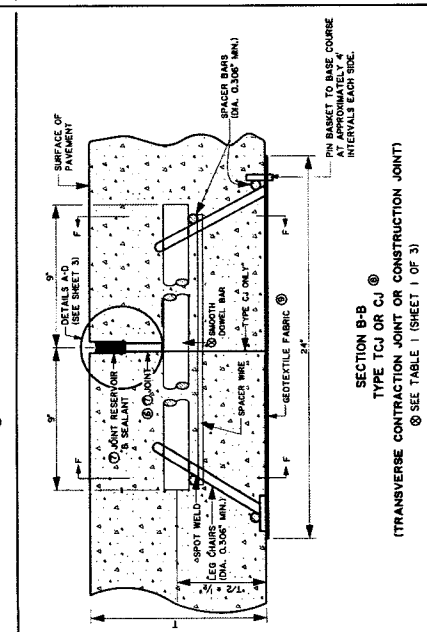
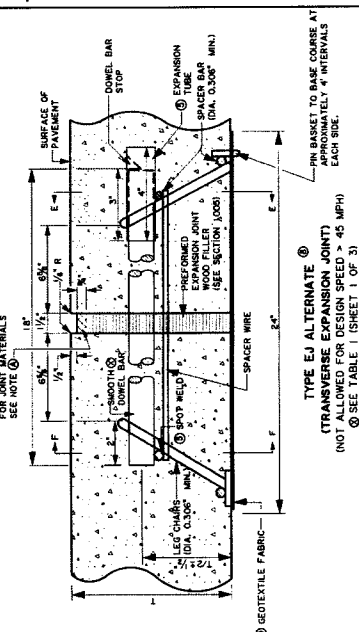


NOTES:

- ONE OR TWO COMPONENT SILICONES
- TAR PAPER EQUIVALENT TO 30 B.B. BE PLACED BETWEEN THE SLEEPER
- SLEEPER SLAB SHALL BE CONSTRUCTED IN PAYMENT TYPE CONCRETE AND IN OF THE PAYMENT. PROVIDE DEF
- JOINT SHALL BE FILLED WITH A P. TYPE FILLER CONFORMING TO SEC
- SEE DETAIL "G" - E.J.-4" BASE DRAM

Technical drawing of a pavement joint detail, Section A-A, Type E.J.-1/2". The drawing shows a cross-section of a pavement structure with a joint. Key components and dimensions include:

- Paving Slab:** The top layer of the pavement, shown with a stippled texture. It has a thickness of 1 1/2" and a width of 18".
- 2" Backer Rod:** A rod placed between the paving slab and the sleeper slab to prevent leakage of joint material.
- Joint Material:** The material filling the joint between the paving slab and the sleeper slab. It is labeled "CELL MATERIAL" and "1/2\" CLOSED".
- Sleeper Slab:** The bottom layer of the pavement, shown with a stippled texture. It has a thickness of 3" and a width of 18".
- Joint:** The vertical gap between the paving slab and the sleeper slab. It is labeled "FOR JOINT MATERIALS" and "SEE NOTE ②".
- Dimensions:**
 - Overall width of the joint area: 18"
 - Width of the paving slab: 18"
 - Width of the sleeper slab: 18"
 - Thickness of the paving slab: 1 1/2"
 - Thickness of the sleeper slab: 3"
 - Thickness of the backer rod: 2"
- Notes:**
 - ① SURGRADE TO BE COMPACTED AND SMOOTH BEFORE POURING JOINT MATERIAL. JOINT MATERIAL NOT EXTEND BELOW TOP OF SLEEPER SLAB.
 - ② TROWEL BEARINGS SURFACE SMOOTH



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