

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 CRACK SEALING 2024-2	CUMBERLAND	7	1
		ILLINOIS	CONTRACT NO. 74B43	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

ADT = 11,900 (2023)

STATION EQUATION

STA 575+54.38 BK : STA 80+00.00 AH

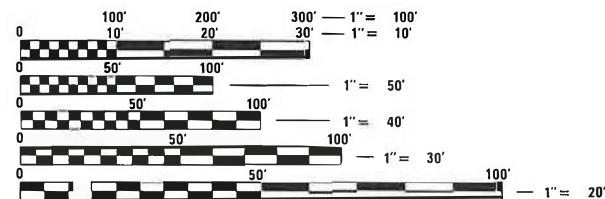
BRIDGE OMISSION

- SN 018-0047 (WB) STA 141+56 TO STA 143+86
- SN 018-0048 (EB) STA 142+01 TO STA 144+31
- SN 018-0049 (WB) STA 154+42 TO STA 161+84
- SN 018-0050 (EB) STA 154+47 TO STA 161+94

PROPOSED HIGHWAY PLANS

FAI ROUTE 70 (I-70)
SECTION D7 CRACK SEALING 2024-2
PROJECT NHPP-GKCF(144)
CRACK & JOINT SEALING
CUMBERLAND COUNTY

C-97-113-22

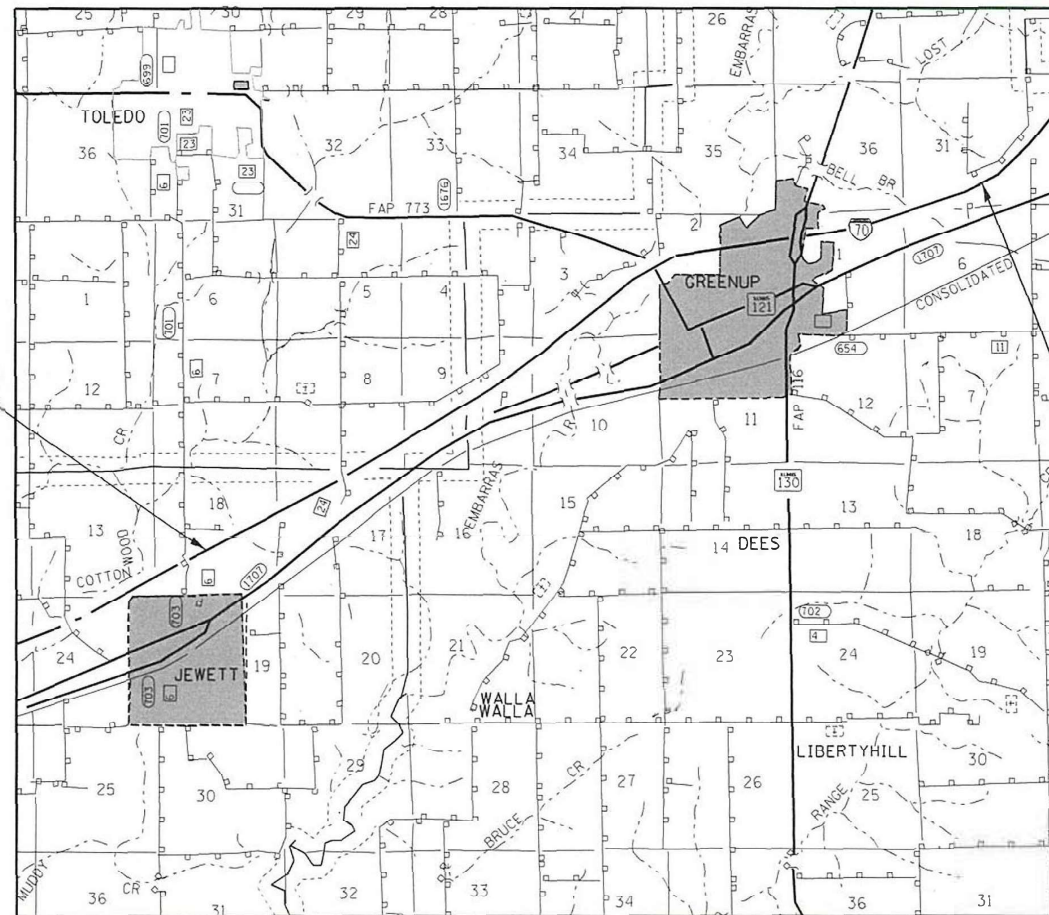


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS
1-800-892-0123
OR 811

PROJECT ENGINEER JACQUELYN SEALS
PROJECT MANAGER ETHAN DOW

CONTRACT NO. 74B43



PROJECT BEGINS
STA 410+00

PROJECT ENDS
STA 292+20

GROSS LENGTH = 37,774.38 FT. = 7.15 MILE
NET LENGTH = 36,799.88 FT. = 6.97 MILE

D-97-064-22



LOCATION OF SECTION INDICATED THUS: - [thick black line]

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED MARCH 7 2024
Jeffrey P. Myrka REGIONAL ENGINEER
May 10, 2024
Steph A. Etk
ENGINEER OF DESIGN AND ENVIRONMENT
May 10, 2024
Steph M. Smith
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

GENERAL NOTES

THIS PROJECT IS LOCATED ON INTERSTATE 70 IN CUMBERLAND COUNTY, WORK BEGINS 7.5 MILES EAST OF THE EFFINGHAM COUNTY LINE AND CONTINUES 1.8 MILES EAST OF ILL 130 NEAR GREENUP.

THE WORK INCLUDED IN THIS SECTION CONSISTS OF ROUTING, CLEANING, AND SEALING OF THE CENTERLINE AND ANY ADDITIONAL LONGITUDINAL JOINTS AND REPLACEMENT OF CENTERLINE AND EDGELINE PAVEMENT MARKING.

RAISED REFLECTIVE PAVEMENT MARKER CASTINGS AND REFLECTORS SHALL BE PROTECTED AS PER SPEC 451.04. RAISED REFLECTIVE PAVEMENT MARKIER CASTINGS DAMAGED BY ROUTING OR COVERED BY SEALANT SHALL BE REPLACED. CASTINGS WILL NEED TO BE CLEANED AND FREE OF ANY EXISTING EPOXY BEFORE THE NEW LENS IS PLACED AS PER SPEC 781.03 (c). THIS WORK WILL BE THE RESPONSIBLIITY OF THE CONTRACTOR AND WILL NOT BE PAID FOR SEPARATELY.

ONLY CONFLICTING EXISTING PAVEMENT MARKINGS SHALL BE REMOVED PRIOR TO APPLYING THE NEW THERMOPLASTIC PAVEMENT MARKINGS. REMOVAL OF CONFLICTING EXISTING PAVEMENT MARKINGS SHALL NOT BE PAYED FOR SEPARATELY BUT WILL BE INCLUDED UNDER PAY ITEM 78000400 (THERMOPLASTIC PAVEMENT MARKING - LINE 6"). ALL OTHER NON-CONFLICTING EXISTING PAVEMENT MARKINGS SHALL REMAIN IN PLACE AND SHALL BE COVERED WITH THE NEW THERMOPLASTIC PAVEMENT MARKINGS WHICH WILL PREVENT ANY UNNECESSARY PAVEMENT SURFACE DAMAGE. THE PERFORMANCE INSPECTION IN ACCORDANCE WITH ARTICLE 780.13 WILL STILL APPLY TO THE PAVEMENT MARKINGS.

WORK ON THIS CONTRACT SHALL NOT BE STARTED UNTIL WORK ON THE I-70 RUBBLIZATION (CONTRACT 74599) HAS BEEN COMPLETED AND ALL LANES ARE OPEN TO TRAFFIC.

APPLICATION RATE:

SEALANT = 0.33 POUNDS PER FOOT

INDEX OF SHEETS

SHEET NO.	ITEM
1	COVER SHEET
2	GENERAL NOTES, INDEX OF SHEETS & LIST OF STANDARDS
3	SUMMARY OF QUANTITIES
4	SCHEDULE OF QUANTITIES
5	CRACK & JOINT SEALING DETAILS
6-7	DISTRICT 7 PAVEMENT MARKING DETAILS

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED AFTER SHEET NO. 7:

STANDARD NO. DESCRIPTION

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) FROM PAVEMENT EDGE
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS GREATER THAN 45 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS GREATER THAN 45 MPH
701901-09	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL RAISED REFLECTIVE PAVEMENT MARKERS

REV. - MS

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USER NAME = Mona.Steffen	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, INDEX OF SHEETS & LIST OF STANDARDS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -			70	D7 CRACK SEALING 2024-2	CUMBERLAND	7	2
PLOT DATE = 3/5/2024	CHECKED -	REVISED -			CONTRACT NO. 74B43				
	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET	OF	SHEETS	STA.	TO STA.

PAVEMENT MARKING SCHEDULE				THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE CENTERLINE) 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE EDGELINE) 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6" (YELLOW EDGELINE) 78000400
STATION	TO	STATION	LENGTH	FT	FT	FT
EASTBOUND						
410+00.00		575+54.38	16,554.4	4,138.6	16,554.4	16,554.4
575+54.38		80+00.00	STATION EQUATION			
80+00.00		186+48.00	10,648.0	2,662.0	10,648.0	10,648.0
186+48.00		189+23.00	275.0	68.8	0.0	275.0
189+23.00		216+63.00	2,740.0	685.0	2,740.0	2,740.0
216+63.00		223+68.00	705.0	176.3	0.0	705.0
223+68.00		292+20.00	6,852.0	1,713.0	6,852.0	6,852.0
EASTBOUND TOTAL				9443.6	36794.4	37774.4
WESTBOUND						
410+00.00		575+54.38	16,554.4	4,138.6	16,554.4	16,554.4
575+54.38		80+00.00	STATION EQUATION			
80+00.00		185+60.00	10,560.0	2,640.0	10,560.0	10,560.0
185+60.00		192+35.00	675.0	168.8	0.0	675.0
192+35.00		219+98.00	2,763.0	690.8	2,763.0	2,763.0
219+98.00		223+48.00	350.0	87.5	0.0	350.0
223+48.00		292+20.00	6,872.0	1,718.0	6,872.0	6,872.0
WESTBOUND TOTAL				9443.6	36749.4	37774.4
TOTAL QUANTITY				18,888	73,544	75,549

CRACK AND JOINT SEALING SCHEDULE				CRACK ROUTING (PAVEMENT) 45100100	CRACK FILLING 45100200
STATION	TO	STATION	LENGTH	FT	LBS
EASTBOUND					
410+00.00		575+54.38	16,554.4	49,663.1	16,388.8
575+54.38		80+00.00	STATION EQUATION		
80+00.00		142+01.00	6,201.0	18,603.0	6,139.0
142+01.00		144+31.00	BRIDGE OMISSION		
144+31.00		154+47.00	1,016.0	3,048.0	1,005.8
154+47.00		161+94.00	BRIDGE OMISSION		
161+94.00		186+80.00	2,486.0	7,458.0	2,461.1
186+80.00		189+80.00	300.0	900.0	297.0
189+80.00		292+20.00	10,240.0	30,720.0	10,137.6
EASTBOUND TOTAL				110,392.1	36,429.4
WESTBOUND					
410+00.00		575+54.38	16,554.4	49,663.1	16,388.8
575+54.38		80+00.00	STATION EQUATION		
80+00.00		141+56.00	6,156.0	18,468.0	6,094.4
141+56.00		143+86.00	BRIDGE OMISSION		
143+86.00		154+42.00	1,056.0	3,168.0	1,045.4
154+42.00		161+84.00	BRIDGE OMISSION		
161+84.00		219+69.00	5,785.0	17,355.0	5,727.2
219+69.00		223+17.00	348.0	1,044.0	344.5
223+17.00		292+20.00	6,903.0	20,709.0	6,834.0
WESTBOUND TOTAL				110,407.1	36,434.4
TOTAL QUANTITY				220,800.0	72,864.0

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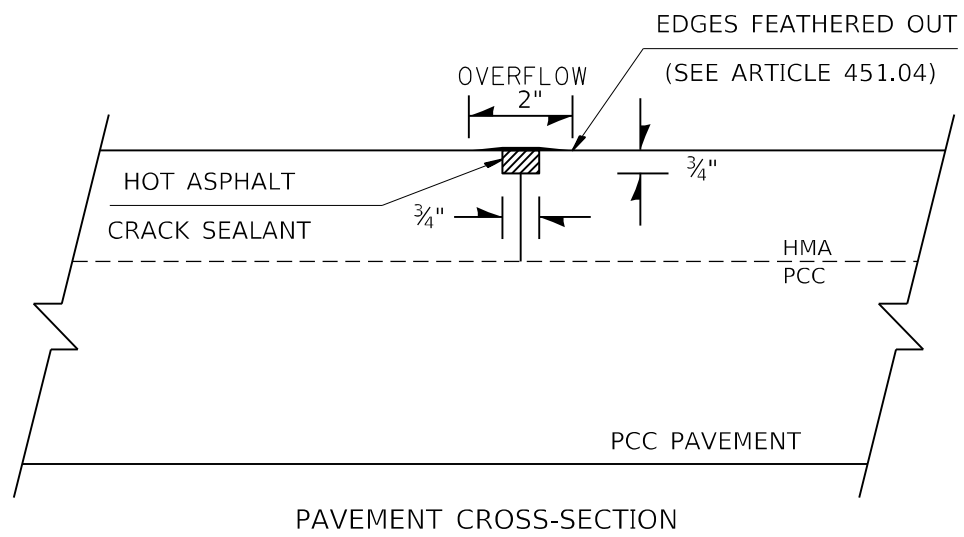
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PLOT DATE = 3/5/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 CRACK SEALING 2024-2	CUMBERLAND	7	4
CONTRACT NO. 74B43				
ILLINOIS FED. AID PROJECT				



 ROUTED, CLEANED,
AND SEALED

TYPICAL DETAIL FOR JOINTS

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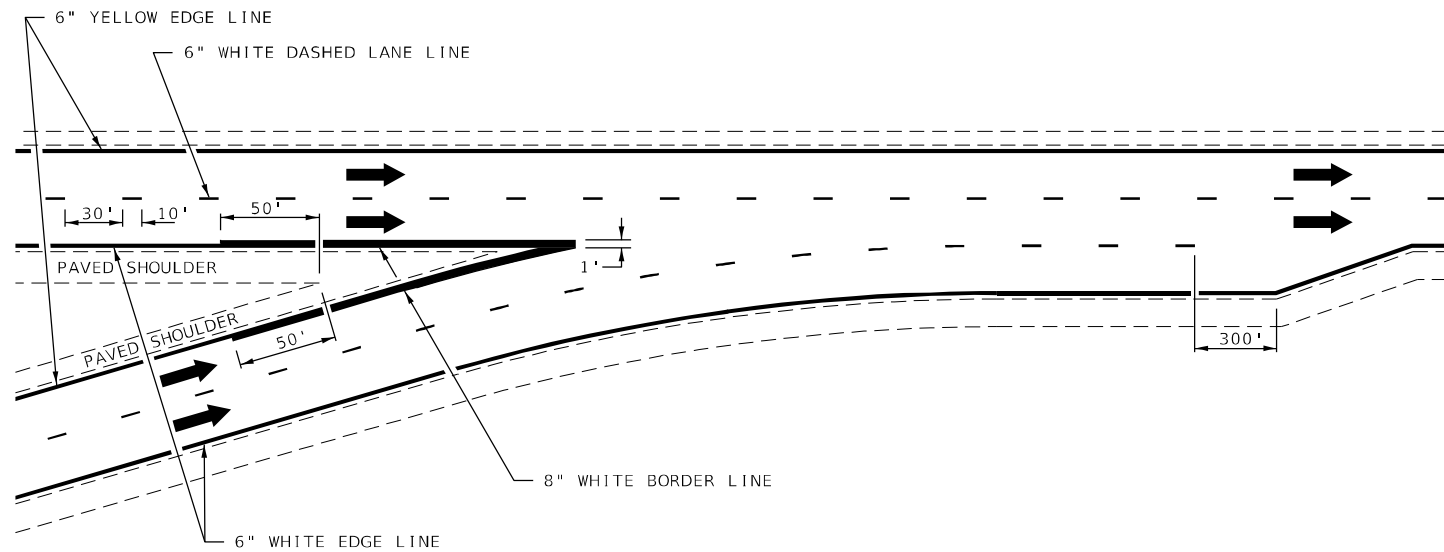
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PLOT DATE = 3/5/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

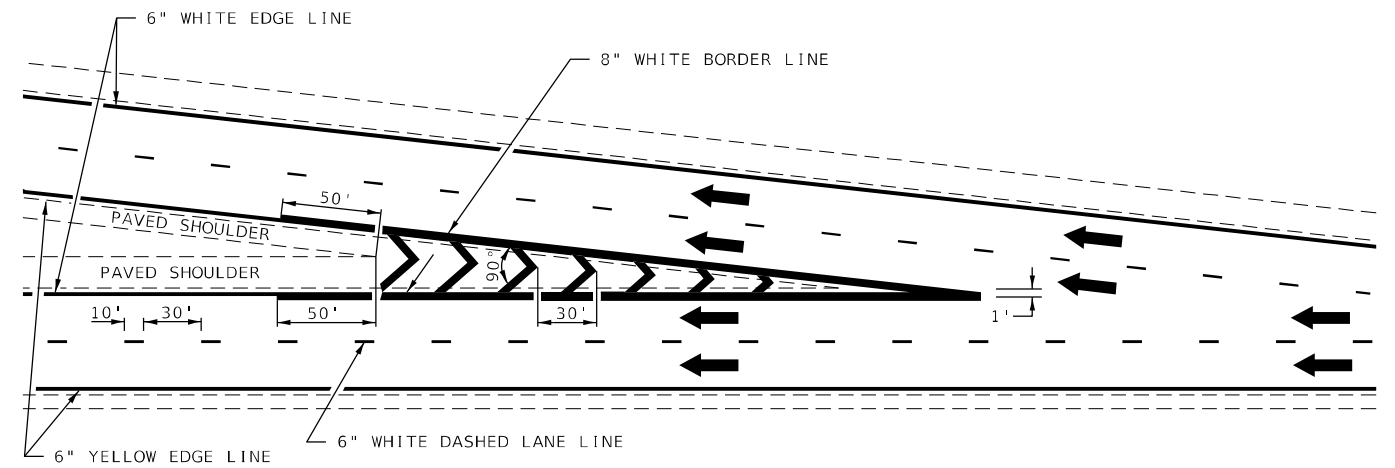
CRACK & JOINT SEALING DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 CRACK SEALING 2024-2	CUMBERLAND	7	5
CONTRACT NO. 74B43				
ILLINOIS FED. AID PROJECT				



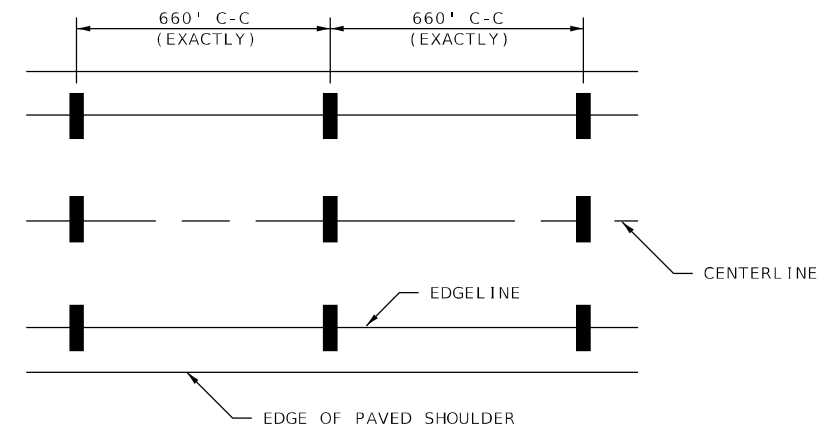
TYPICAL CONVERGENCE MARKING



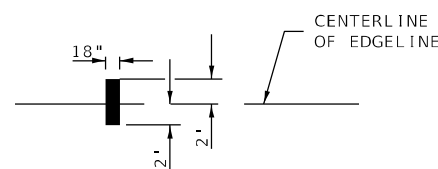
TYPICAL DIVERGENCE MARKING

FAYETTE AND CLAY COUNTIES

AERIAL SPEED CHECK ZONES



IT WILL BE NECESSARY TO HAVE A REPRESENTATIVE OF THE STATE POLICE PRESENT SO THAT THE ACCURACY OF MEASUREMENT CAN BE ATTESTED TO IN COURT.



NOT TO SCALE

DISTRICT 7 DETAIL NO. 78000002

USER NAME = Mona.Steffen	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 3/5/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS OF FREEWAY/EXPRESSWAY
PAVEMENT MARKING

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	D7 CRACK SEALING 2024-2	CUMBERLAND	7	7
CONTRACT NO. 74B43				
ILLINOIS FED. AID PROJECT				

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