

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 PROPOSED FEDERAL AID HIGHWAY
 FAU ROUTE 5369 (PEACE ROAD / C.H. 34)
 SECTION NO: 16-00166-02-PW
 PROJECT NO. JYJI (331)
 PAVEMENT WIDENING
 DeKALB COUNTY
 CONTRACT NO. 87697
 JOB NO. C-93-012-19
 2019

INDEX OF SHEETS:

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES - SUMMARY OF QUANTITIES - TYP SECTION
3	SCHEDULE OF QUANTITIES
4	PLAN SHEET - PEACE & FREED
5	PLAN SHEET - PEACE & BRICKVILLE
6	PAVEMENT MARKING PLAN - PEACE & FREED
7	PAVEMENT MARKING PLAN - PEACE & BRICKVILLE

STANDARDS:

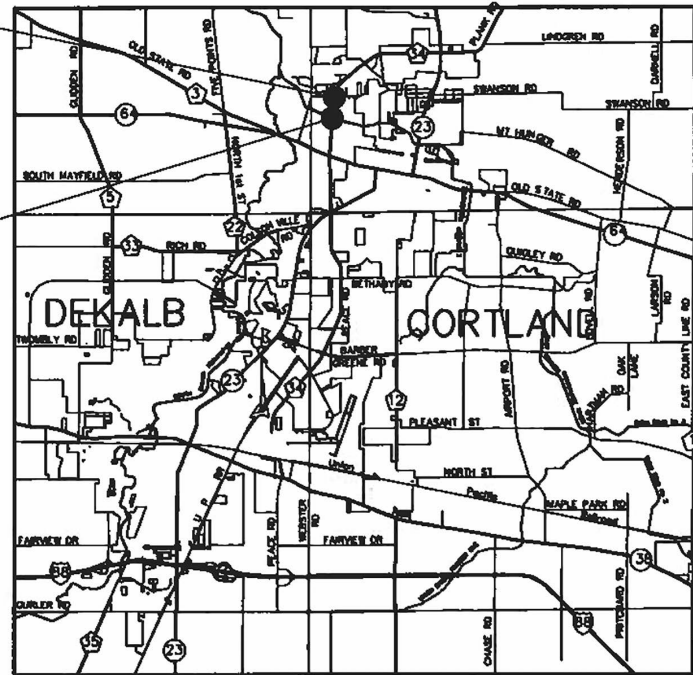
701201-05	LANE CLOSURE - DAY ONLY >45MPH
701301-04	LANE CLOSURE - SHORT TIME OPERATIONS
701306-04	LANE CLOSURE - DAY ONLY
701311-03	MOVING OPERATIONS
701901-08	TRAFFIC CONTROL DEVICES

PEACE & BRICKVILLE
 IMPROVEMENT BEGINS
 STATION 188+50

IMPROVEMENT ENDS
 STATION 199+50

PEACE & FREED
 IMPROVEMENT BEGINS
 STATION 151+50

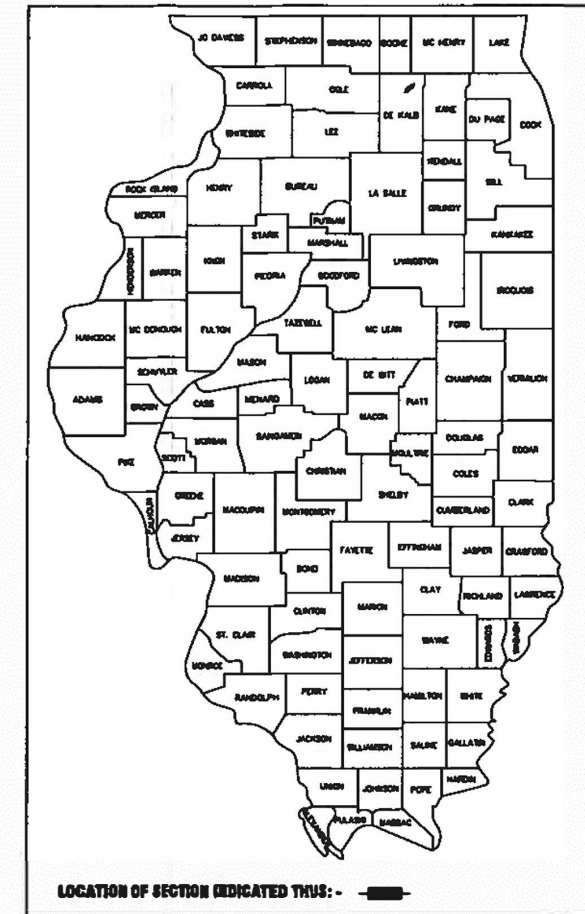
IMPROVEMENT ENDS
 STATION 162+50



LOCATION MAP
 SCALE: N.T.S.

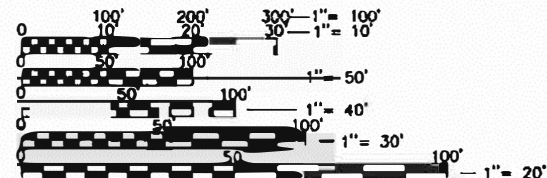
LENGTH OF IMPROVEMENT
 PEACE ROAD = 4,700 FT (0.89 MILES) GROSS
 PEACE ROAD = 2,200 FT (0.42 MILES) NET

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LOCATION OF SECTION INDICATED THUS: -

TRAFFIC DATA:
 FAU 5369, PEACE ROAD
 GROSS LENGTH = 4,700 FT (0.89 MI)
 NET LENGTH = 2,220 FT (0.42 MI)
 MINOR ARTERIAL
 ADT (2013) - 13,900 (12% TRUCKS)
 DESIGN ADT (2023) - 16,800 (12% TRUCKS)



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PEACE ROAD
 TURN LANE HMA WIDENING
 FOR
 DEKALB COUNTY

Nathan F. Schwartz
 COUNTY ENGINEER
 NATHAN F. SCHWARTZ
 DEKALB, ILLINOIS
 ILLINOIS LICENSED
 PROFESSIONAL
 ENGINEER NO. 062-055001
 EXPIRES: 11/30/2019

4/3/19

PASSED: 4-5-19
Dan B. [Signature]
 DISTRICT 3 LOCAL ROADS & STREETS ENGINEER

RELEASING FOR
 BID BASED ON
 LIMITED REVIEW 4-5-19
Kevin [Signature]
 REGION 2 ENGINEER

SHEET TITLE:
 COVER SHEET

SECTION:
 16-00166-02-PW

DATE:
 2/19/2019

SHEET NO.
 1 of 7

GENERAL NOTES

THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO VARYING WIDENING THICKNESS OF PREVIOUSLY WIDENED AREAS AND IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.

THE HMA SURFACE OF ALL PRIVATE ENTRANCES, COMMERCIAL ENTRANCES AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK WILL INCLUDED IN THE COST OF THE HMA SURFACE.

THE BASE COURSE WIDENING SHALL BE CARRIED THROUGH ALL ENTRANCES AND SIDEROADS. EXCEPTIONS WILL BE SHOWN ON THE PLANS.

EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

FOR STABILIZATION, ALL TYPE III BARRICADES WILL REQUIRE A MINIMUM OF FOUR (4) SAND BAGS PER BARRICADE.

SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET OR IN AN UNTILLABLE CONDITION. ALL DISTURBED AREAS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR (4) INCHES IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF FURNISHED EXCAVATION.

ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.

SAWCUTS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE YARD FOR HOT-MIX ASPHALT BASE COURSE, 6 1/2" OR INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE YARD FOR PAVEMENT REMOVAL.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

THE WORK REQUIRED TO CONNECT ANY SEWER TO AN EXISTING DRAINAGE STRUCTURE OR PIPE WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THE SEWER OR STORM SEWER ITEMS.

- MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:
- COMED
 - COMCAST
 - DEKALB CO, HIGHWAY DEPT.
 - DEKALB FIBER OPTIC, LLC
 - DEKALB, CITY OF
 - FRONTIER COMMUNICATION
 - KISHWAUKEE COMMUNITY HOSPITAL
 - WINDSTREAM KDL, INC
 - NICOR GAS
 - WISCONSIN INDEPENDENT NETWORK

THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS STANDARD SPECIFICATIONS ADOPTED APRIL 1, 2016.

THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKERS AND REFERENCE MARKERS UNTIL THEIR LOCATION HAS BEEN WITNESSED OR OTHERWISE TIED-IN BY AN AUTHORIZED AGENT OR SURVEYOR.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL PRIVATE AND PUBLIC UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS OF ALL EXISTING UTILITIES SO THAT THE UTILITIES AND THEIR APPURTENANCES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS.

THE PRESENCE OF TEMPORARY TRAFFIC CONTROL DRAWINGS OR STANDARDS IN THE PROJECT PLANS, WHETHER A PAY ITEM OR NOT, DOES NOT RELIEVE THE CONTRACTOR OF HIS OBLIGATION TO PROVIDE PROTECTION TO THE PUBLIC IN ACCORDANCE WITH ARTICLE 107.14 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. THIS ARTICLE STIPULATES THAT THE CONTRACTOR SHALL PROVIDE TO THE SATISFACTION OF THE ENGINEER, ALL PROTECTION DEEMED NECESSARY BEYOND THAT SHOWN IN THE PLANS OR SPECIAL PROVISIONS. THE EXPENSE OF THIS WORK TO THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ADJUTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

THE FOLLOWING RATES HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.0 T/CY
HMA RESURF	112 LB/SY/IN
SHORT TERM PVM'T MARKING	10 FT/100 FT OF APPLICATION

SUMMARY OF QUANTITIES

CONSTRUCTION TYPE CODE 0004

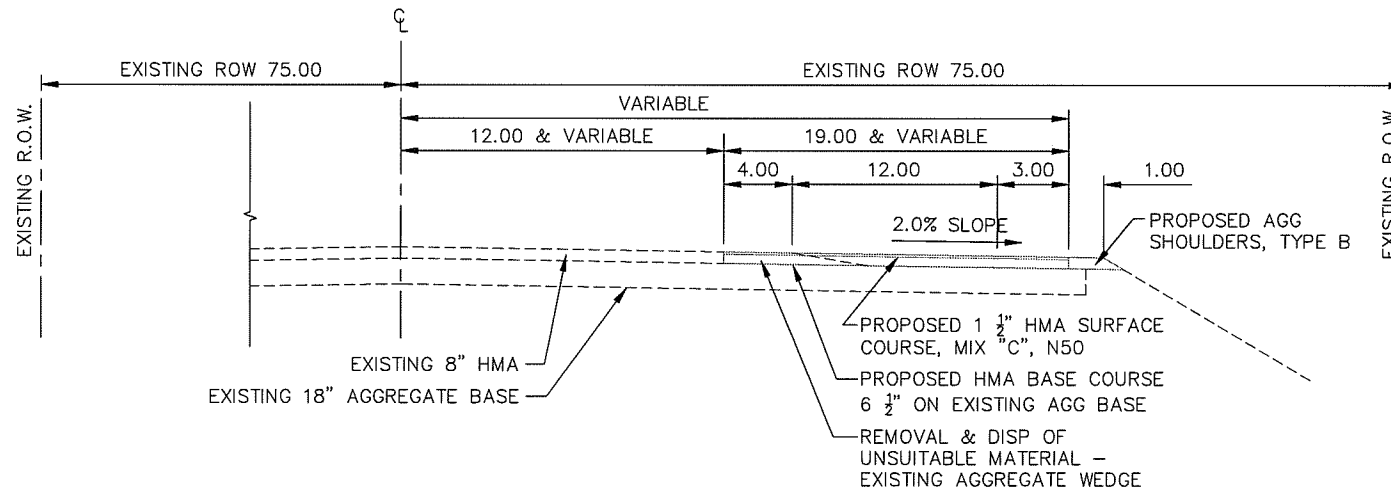
Pay Item #	Description	Units	Qty
35501310*	HOT-MIX ASPHALT BASE COURSE 6 1/2"	SQ YD	3913
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1762
40603310*	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	340
44000100*	PAVEMENT REMOVAL	SQ YD	291
48101200	AGGREGATE SHOULDERS, TYPE B	TON	208
67100100	MOBILIZATION	L SUM	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	5
70300100	SHORT TERM PAVEMENT MARKING	FOOT	928
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	307
78000100 Δ	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	64
78000200 Δ	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1834
78000500 Δ	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	2282
78000600 Δ	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	210
X0327979	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	668
X7010216*	TRAFFIC CONTROL & PROTECTION, SPECIAL	L SUM	1

* HAS SPECIAL PROVISION
 Δ SPECIALTY ITEMS

HMA MIXTURES TABLE

	HMA BASE	HMA SURFACE
PG GRADE	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION	IL 19.0	IL 9.5
FRICTION AGGREGATE		MIXTURE C
DENSITY TEST METHOD	LR 1030	LR 1030
MIXTURE WEIGHT	112# / SQ. YD. / IN.	112# / SQ. YD. / IN.
QUALITY MANAGEMENT PROGRAM	QC/QA	QC/QA
SUBLOT SIZE	N/A	N/A
LOCATION(S)	N/A	N/A

PROPOSED TYPICAL SECTION PEACE ROAD & FREED / BRICKVILLE INTERSECTIONS



REVISIONS:	DATE:
REVISION:	2/19/2019
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PEACE ROAD
 TURN LANE HMA WIDENING
 FOR
 DEKALB COUNTY

SHEET TITLE:
 GENERAL NOTES/
 TYPICAL
 SECTION/
 SUMMARY OF
 QUANTITIES

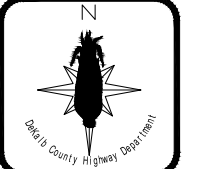
SECTION:
 16-00166-02-PW

DATE:
 2/19/2019

SHEET NO.
 2 of 7

Route No.	Section	Total Sheets	Sheet No.
F.A.U. 5369	16-00166-02-PW	7	3
Contract 87697	DeKalb County	Fed. Aid Project JYJI(331)	

SCHEDULE OF QUANTITIES



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PEACE ROAD
TURN LANE HMA WIDENING
FOR
DEKALB COUNTY

SHEET TITLE:
SCHEDULE OF QUANTITIES

SECTION:
16-00166-02-PW

DATE:
2/19/2019

SHEET NO.
3 of 7

<u>Location</u>	<u>Location</u>
Peace Road	Northbound Right Turn Lane at Brickville Road

Hot Mix Material	Asphalt Thickness	Length	Width	Area
HMA BC, IL-19.0, N50	6.5 in	1100 ft	19 ft	2322 sq yd
HMA SC, Mix "C", N50	1.5 in	1100 ft	19 ft	2322 sq yd

Schedule of Quantities

Pay Item	Unit	Quantity
Bituminous Materials (Tack Coat)	Pound	472
Hot-Mix Asphalt Base Course, 6 1/2"	Ton	1048
Hot-Mix Asphalt Surface Course, Mix "C", N50	Ton	90
Aggregate Shoulders, Type B	Ton	52
Pavement Removal	Sq Yd	66
Short Term Pavement Marking	Ft	232
Thermoplastic Pavement Marking - Letters & Symbols	Sq Ft	16
Thermoplastic Pavement Marking - Line 4"	Ft	471
Thermoplastic Pavement Marking - Line 8"	Ft	521
Thermoplastic Pavement Marking - Line 12"	Ft	54
Pavement Marking Removal - Grinding	Sq Ft	174

<u>Location</u>	<u>Location</u>
Peace Road	Northbound Right Turn Lane at Freed Road

Hot Mix Material	Asphalt Thickness	Length	Width	Area
HMA BC, IL-19.0, N50	6.5 in	1100 ft	19 ft	2322 sq yd
HMA SC, Mix "C", N50	1.5 in	1100 ft	19 ft	2322 sq yd

Schedule of Quantities

Pay Item	Unit	Quantity
Bituminous Materials (Tack Coat)	Pound	351
Hot-Mix Asphalt Base Course, 6 1/2"	Ton	780
Hot-Mix Asphalt Surface Course, Mix "C", N50	Ton	70
Aggregate Shoulders, Type B	Ton	52
Pavement Removal	Sq Yd	97
Short Term Pavement Marking	Ft	232
Thermoplastic Pavement Marking - Letters & Symbols	Sq Ft	16
Thermoplastic Pavement Marking - Line 4"	Ft	427
Thermoplastic Pavement Marking - Line 8"	Ft	767
Thermoplastic Pavement Marking - Line 12"	Ft	54
Pavement Marking Removal - Grinding	Sq Ft	160

<u>Location</u>	<u>Location</u>
Peace Road	Southbound Right Turn Lane at Brickville Road

Hot Mix Material	Asphalt Thickness	Length	Width	Area
HMA BC, IL-19.0, N50	6.5 in	1100 ft	19 ft	2322 sq yd
HMA SC, Mix "C", N50	1.5 in	1100 ft	19 ft	2322 sq yd

Schedule of Quantities

Pay Item	Unit	Quantity
Bituminous Materials (Tack Coat)	Pound	475
Hot-Mix Asphalt Base Course, 6 1/2"	Ton	1055
Hot-Mix Asphalt Surface Course, Mix "C", N50	Ton	90
Aggregate Shoulders, Type B	Ton	52
Pavement Removal	Sq Yd	63
Short Term Pavement Marking	Ft	232
Thermoplastic Pavement Marking - Letters & Symbols	Sq Ft	16
Thermoplastic Pavement Marking - Line 4"	Ft	474
Thermoplastic Pavement Marking - Line 8"	Ft	499
Thermoplastic Pavement Marking - Line 12"	Ft	54
Pavement Marking Removal - Grinding	Sq Ft	174

<u>Location</u>	<u>Location</u>
Peace Road	Southbound Right Turn Lane at Freed Road

Hot Mix Material	Asphalt Thickness	Length	Width	Area
HMA BC, IL-19.0, N50	6.5 in	1100 ft	19 ft	2322 sq yd
HMA SC, Mix "C", N50	1.5 in	1100 ft	19 ft	2322 sq yd

Schedule of Quantities

Pay Item	Unit	Quantity
Bituminous Materials (Tack Coat)	Pound	464
Hot-Mix Asphalt Base Course, 6 1/2"	Ton	1030
Hot-Mix Asphalt Surface Course, Mix "C", N50	Ton	90
Aggregate Shoulders, Type B	Ton	52
Pavement Removal	Sq Yd	65
Short Term Pavement Marking	Ft	232
Thermoplastic Pavement Marking - Letters & Symbols	Sq Ft	16
Thermoplastic Pavement Marking - Line 4"	Ft	462
Thermoplastic Pavement Marking - Line 8"	Ft	495
Thermoplastic Pavement Marking - Line 12"	Ft	48
Pavement Marking Removal - Grinding	Sq Ft	160

QUANTITIES ARE ESTIMATE PREPARED FOR THE ESTABLISHMENT OF PAY ITEM PRICES AND ARE THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM PRIOR TO BIDDING. QUANTITIES MAY BE INCREASED, DECREASED, OR OMMITTED TO SATISFACTORILY COMPLETE THE PROJECT.

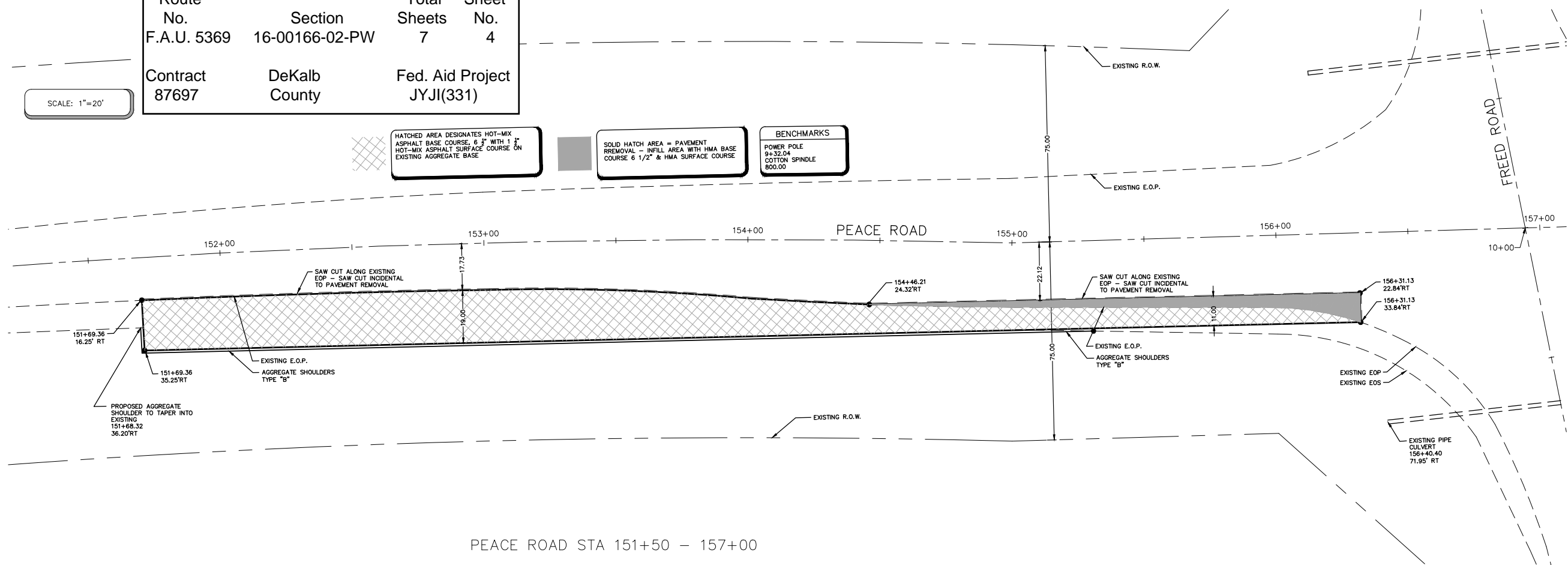
Route No. F.A.U. 5369
 Section No. 16-00166-02-PW
 Total Sheets 7
 Sheet No. 4
 Contract No. 87697
 DeKalb County
 Fed. Aid Project JYJ1(331)

SCALE: 1"=20'

HATCHED AREA DESIGNATES HOT-MIX ASPHALT BASE COURSE, 6" WITH 1" HOT-MIX ASPHALT SURFACE COURSE ON EXISTING AGGREGATE BASE

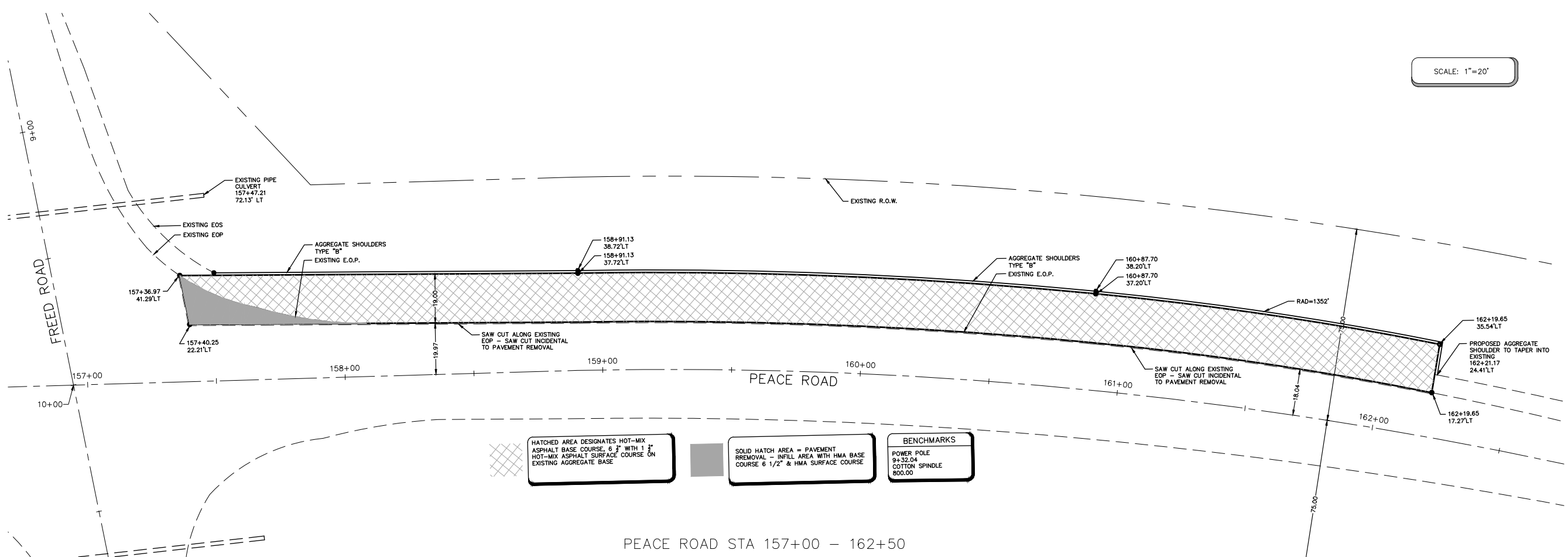
SOLID HATCH AREA = PAVEMENT REMOVAL - INFILL AREA WITH HMA BASE COURSE 6 1/2" & HMA SURFACE COURSE

BENCHMARKS
 POWER POLE 9+32.04
 COTTON SPINDLE 800.00



PEACE ROAD STA 151+50 - 157+00

SCALE: 1"=20'



PEACE ROAD STA 157+00 - 162+50

HATCHED AREA DESIGNATES HOT-MIX ASPHALT BASE COURSE, 6" WITH 1" HOT-MIX ASPHALT SURFACE COURSE ON EXISTING AGGREGATE BASE

SOLID HATCH AREA = PAVEMENT REMOVAL - INFILL AREA WITH HMA BASE COURSE 6 1/2" & HMA SURFACE COURSE

BENCHMARKS
 POWER POLE 9+32.04
 COTTON SPINDLE 800.00



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PEACE ROAD
 TURN LANE HMA WIDENING
 FOR
 DEKALB COUNTY

SHEET TITLE:
 PEACE & FREED
 PLAN SHEET

SECTION:
 16-00166-02-PW

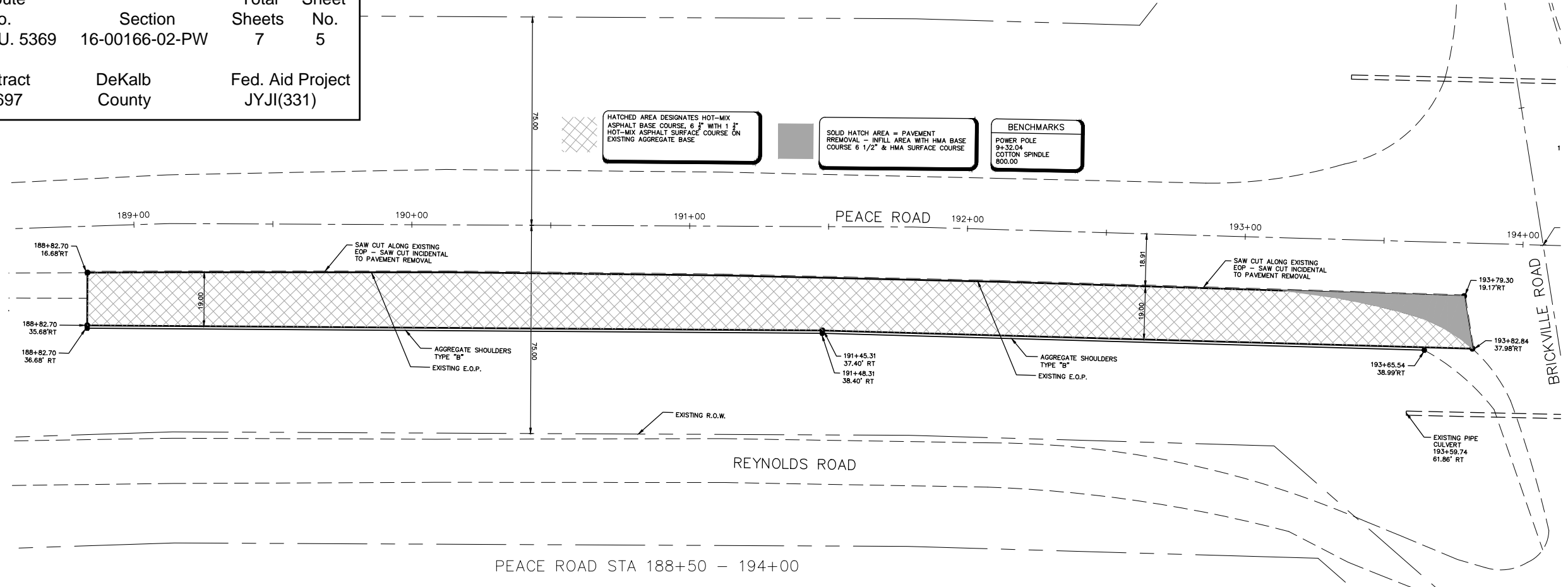
DATE:
 2/19/2019

SHEET NO.
 4 of 7

Route No. F.A.U. 5369
 Section 16-00166-02-PW
 Contract 87697
 DeKalb County
 Total Sheets 7
 Sheet No. 5
 Fed. Aid Project JYJI(331)



SCALE: 1"=20'



PEACE ROAD STA 188+50 - 194+00

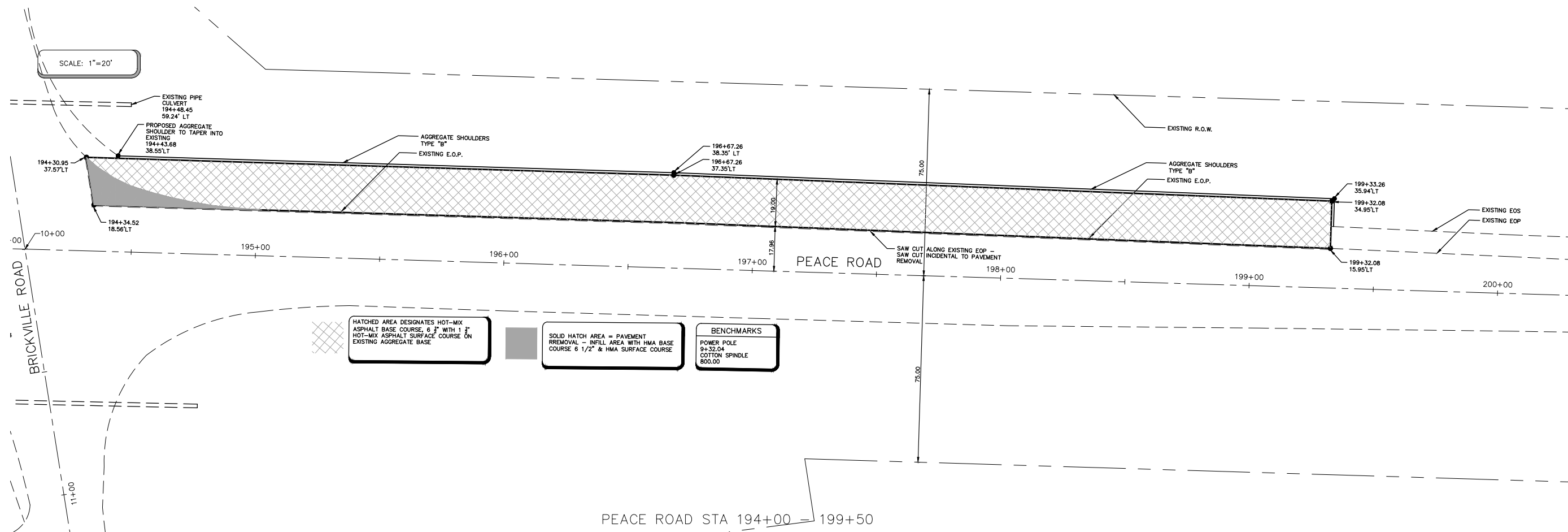
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PEACE ROAD
 TURN LANE HMA WIDENING
 FOR
 DEKALB COUNTY



PEACE ROAD STA 194+00 - 199+50

SHEET TITLE:
 PEACE & BRICKVILLE
 PLAN SHEET

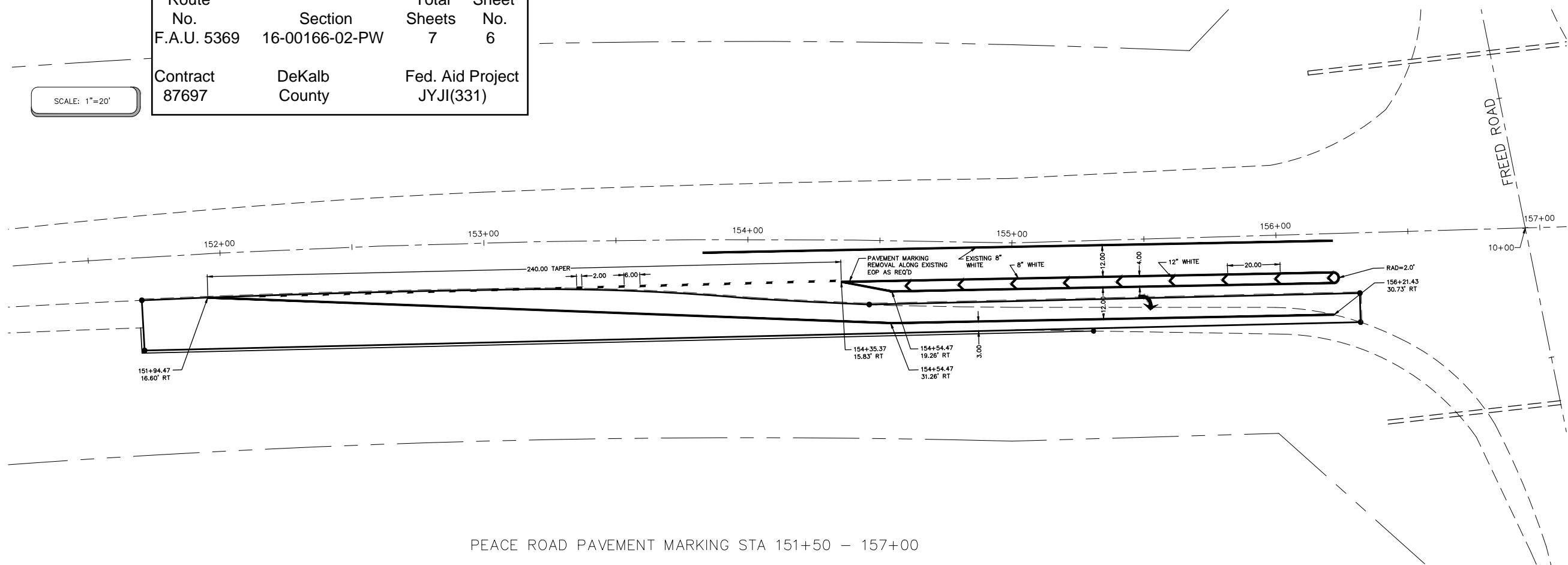
SECTION:
 16-00166-02-PW

DATE:
 2/19/2019

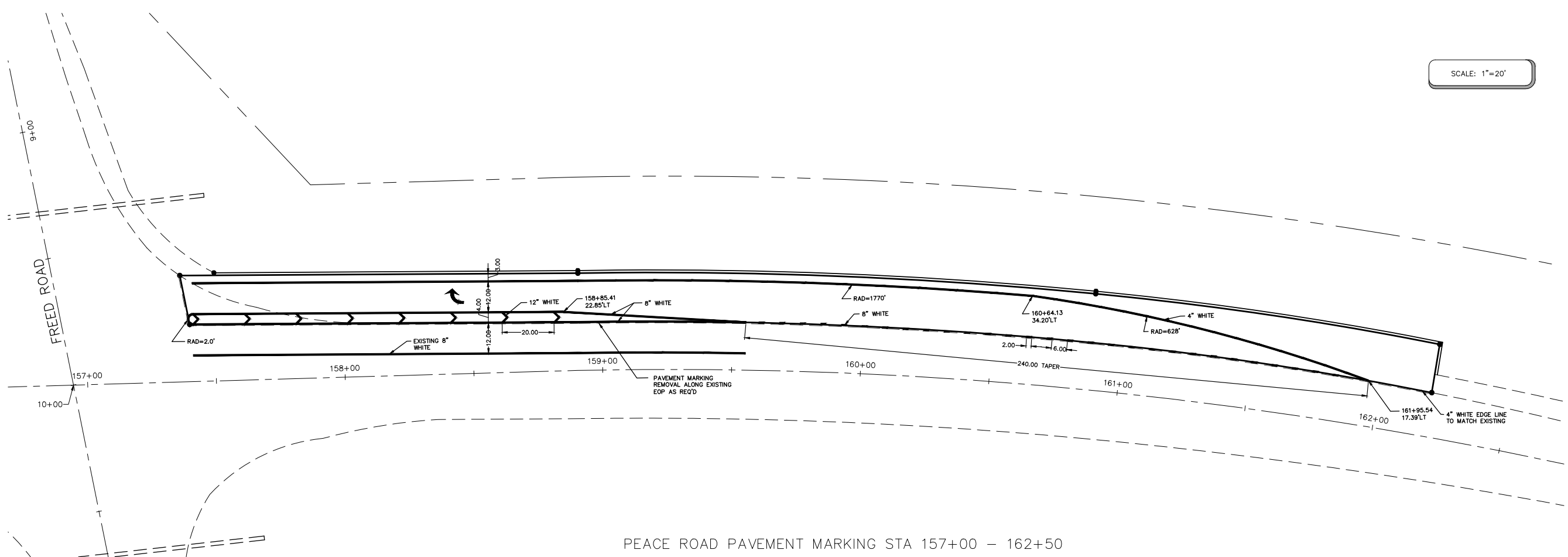
SHEET NO.
 5 of 7

Route No.	Section	Total Sheets	Sheet No.
F.A.U. 5369	16-00166-02-PW	7	6
Contract 87697	DeKalb County	Fed. Aid Project JYJI(331)	

SCALE: 1"=20'



PEACE ROAD PAVEMENT MARKING STA 151+50 - 157+00



PEACE ROAD PAVEMENT MARKING STA 157+00 - 162+50



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 TURN LANE HMA WIDENING
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 PAVEMENT MARKING PEACE & FREED

SECTION:
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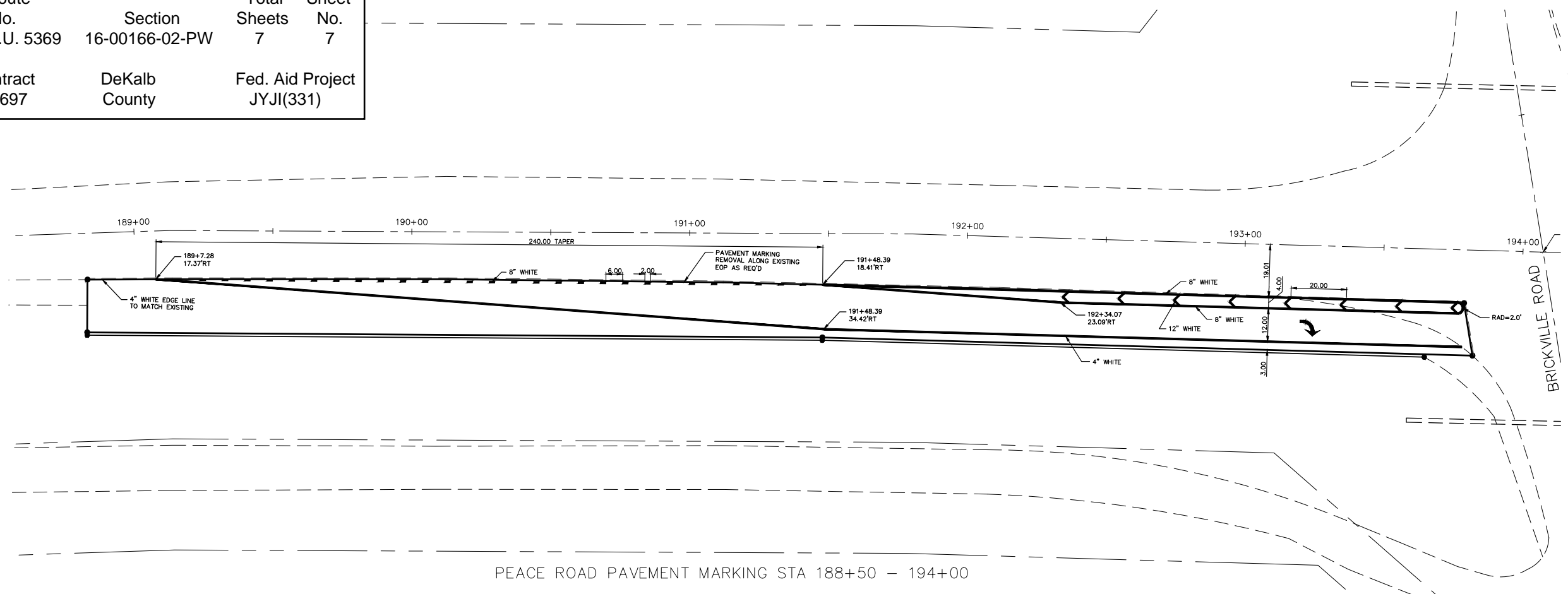
DATE:
 2/19/2019

SHEET NO.
 6 of 7

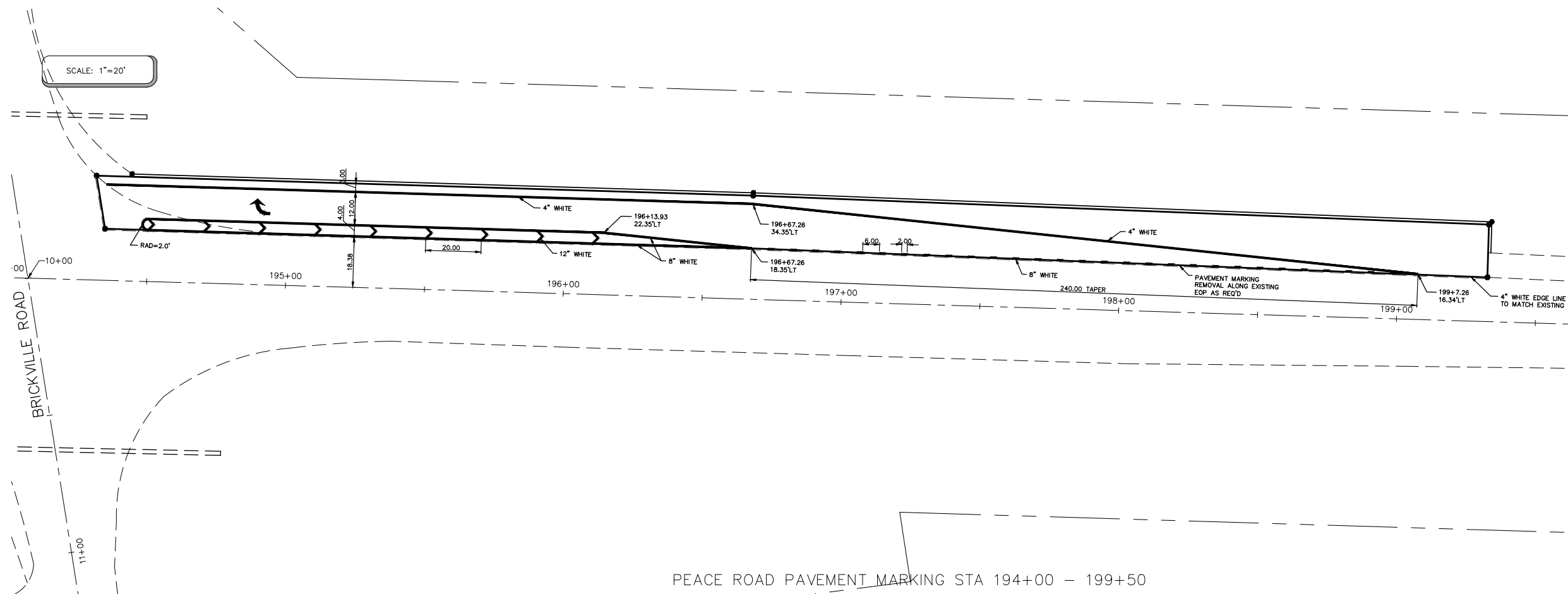
Route No.	Section	Total Sheets	Sheet No.
F.A.U. 5369	16-00166-02-PW	7	7
Contract 87697	DeKalb County	Fed. Aid Project JYJI(331)	



SCALE: 1"=20'



PEACE ROAD PAVEMENT MARKING STA 188+50 - 194+00



PEACE ROAD PAVEMENT MARKING STA 194+00 - 199+50

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PEACE ROAD
TURN LANE HMA WIDENING
FOR
DEKALB COUNTY

SHEET TITLE:
PAVEMENT MARKING PEACE & BRICKVILLE

SECTION:
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SHEET NO.
7 of 7