



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

June 6, 2018

Addendum No. 1

RE: Contract # C204192
WBS # 2019CPT.13.01.10111, Etc
STATE FUNDED

Buncombe County

1 Section Each of NC 63, US-25A, NC-197, 3 Sections of NC9
And 87 Sections Of Secondary Roads

June 19, 2018 Letting

To Whom It May Concern:

Reference is made to the plans (Sketch Maps) and proposal form furnished to you on this project.

The following revisions have been made to the plans (Sketch Maps):

Sheet No.	Revisions
1	Revised to eliminate Map #1
New 11A and 11B	New sheets to add Map # 94, 95 and 96
12	Typical Section Nos. 1 and 2 were removed
14	Revised dimensions on Typical Section No. 5
21	Updated bridge details to remove reference to Map #1 and add information for Map #96
22	Removed a detail pertaining to Map #1
24 thru 27	Updated Summary of Quantities to reflect the changes as noted above and as noted below on the item sheets

Please void the existing sheets in your sketch maps and staple the revised sheets thereto.

The following revisions have been made to the proposal:

Page No.	Revisions
Proposal Cover	Note added that reads "Includes Addendum No. 1 Dated 06-06-2018". The mileage was revised and the Location description was revised to add "3 Sections of NC 9"

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
CONTRACT STANDARDS AND DEVELOPMENT
1591 MAIL SERVICE CENTER
RALEIGH, NC 27699-1591

Telephone: (919) 707-6900
Fax: (919) 250-4127
Customer Service: 1-877-368-4968

Location:
1020 BIRCH RIDGE DR.
RALEIGH, NC 27610

Website: www.ncdot.gov

Page No.	Revisions
G-1	Revised the first and second paragraphs of the project special provision entitled "Intermediate Contract Time Number 1 and Liquidated Damages" to remove reference to Map #1 and to add reference to Map #94
G-2	Revised the first paragraph of the project special provision entitled "Intermediate Contract Time Number 2 and Liquidated Damages" to remove reference to Map #1.
R-9 and R-10	Revised to remove the project special provision entitled "Asphalt Joint Repair and Replacement" and to revise the fourth paragraph of the project special provision entitled "Resurfacing Existing Bridges" to remove the reference to Map #1
R-11 and R-12	Revised to remove the project special provision entitled "Open Graded Asphalt Friction Course, Permeable Asphalt Drainage Layer, and Ultra-Thin Bonded Wearing Course". These two pages will now be "Intentionally Blank"

Please void the above listed pages in your proposal and staple the revised pages thereto.

On the item sheets the following pay item quantities have been revised or deleted:

<u>Item</u>	<u>Description</u>	<u>Old Quantity</u>	<u>New Quantity</u>
002-1220000000-E-545	Incidental Stone Base	1,969 TON	2,611 TON
003-1245000000-E-SP	Shoulder Reconstruction	78.95 SMI	104.61 SMI
004-1260000000-E-SP	Aggregate Shoulder Borrow	10,264 TON	13,600 TON
005-1297000000-E-607	Milling Asphalt Pavement, 1-1/2" Depth	147,844 SY	118,655 SY
006-1297000000-E-607	Milling Asphalt Pavement, 5/8" Depth	23,621 SY	DELETED
007-1308000000-E-607	Milling Asphalt Pavement, 0" to 1-1/2" Depth	60,311 SY	11,146 SY
008-1330000000-E-607	Incidental Milling	14,599 SY	15,140 SY
011-1523000000-E-610	Asphalt Concrete Surface Course, Type S9.5C	27,811 TON	28,787 TON
012-1575000000-E-620	Asphalt Binder For Plant Mix	4,719 TON	4,778 TON
013-1577000000-E-620	Polymer Modified Asphalt Binder For Plant Mix	47 TON	DELETED
014-1704000000-E-SP	Patching Existing Pavement	19,280 TON	20,480 TON
019-1839140000-E-661	Ultra-Thin Bonded Wearing Course	913 TON	DELETED

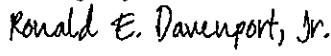
020-1881000000-E-SP	Asphalt Joint Repair/Replacement (18" – 24" Wide, W/Plate	256 LF	DELETED
022-2605000000-N-848	Concrete Curb Ramps	82 EA	54 EA
024-2830000000-N-858	Adjustment Of Manholes	122 EA	89 EA
025-2845000000-N-858	Adjustment of Meter Boxes Or Valve Boxes	94 EA	71 EA
028-4695000000-E-1205	Thermoplastic Pavement Marking Lines (8", 90 MILS)	460 LF	DELETED
029-4697000000-E-1205	Thermoplastic Pavement Marking Lines (8", 120 MILS)	940 LF	100 LF
030-4700000000-E-1205	Thermoplastic Pavement Marking Lines (12", 90 MILS)	112 LF	DELETED
031-4705000000-E-1205	Thermoplastic Pavement Marking Lines (16", 120 MILS)	122 LF	210 LF
032-4710000000-E-1205	Thermoplastic Pavement Marking Lines (24", 120 MILS)	2,941 LF	2,141 LF
033-4721000000-E-1205	Thermoplastic Pavement Character (120 MILS)	82 EA	74 EA
034-4725000000-E-1205	Thermoplastic Pavement Symbol (90 MILS)	397 EA	178 EA
035-4805000000-N-1205	Cold Applied Plastic Pavement Marking Symbol, Type II	2 EA	DELETED
036-4810000000-E-1205	Paint Pavement Marking Lines (4")	1,760,193 LF	1,733,147 LF
037-4835000000-E-1205	Paint Pavement Marking Lines (24")	926 LF	660 LF
038-4845000000-N-1205	Paint Pavement Marking Symbol	194 EA	146 EA
039-4847010000-E-1205	Polyurea Pavement Marking Lines (4", 20MILS)	349,992 LF	531,694 LF
041-4850000000-E-1205	Removal Of Pavement Marking Lines (4")	884 LF	DELETED
042-4875000000-N-1205	Removal Of Pavement Marking Symbols and Characters	2 EA	DELETED
043-4905000000-N-1253	Snowplowable Pavement Markers	3,640 EA	2,268 EA
045-7444000000-E-1725	Inductive Loop Sawcut	28,400 LF	15,850 LF

The Contractor's bid must be based on this revised pay item quantities.

The Expedite File has been updated to reflect these revisions. Please download the Expedite Addendum File and follow the instructions for applying the addendum. Bid Express will not accept your bid unless the addendum has been applied.

The contract will be prepared accordingly.

Sincerely,

DocuSigned by:

F81B6038A47A442...
Ronald. E. Davenport, Jr., PE
State Contract Officer

RED/jag
Attachments

cc: Mr. Lamar Sylvester, PE
Mr. Jay Swain, PE
Mr. Ron Hancock, PE
Mr. Jon Weathersbee, PE
Mr. Ken Kennedy, PE
Ms. Lori Strickland
Project File (2)

Mr. Ray Arnold, PE
Ms. Theresa Canales, PE
Mr. Mike Gwyn
Ms. Jaci Kincaid
Ms. Penny Higgins
Mr. Mitchell Dixon
Mr. Alex Foster

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH, N.C.

PROPOSAL

INCLUDES ADDENDUM No. 1 DATED 06-06-2018

DATE AND TIME OF BID OPENING: **JUNE 19, 2018 AT 2:00 PM**

CONTRACT ID C204192

WBS 2019CPT.13.01.10111, 2019CPT.13.01.20111, 2019CPT.13.01.20112

FEDERAL-AID NO. STATE FUNDED

COUNTY BUNCOMBE

T.I.P. NO.

MILES 75.08

ROUTE NO.

LOCATION 1 SECTION EACH OF, NC-63, US-25A, NC-197, 3 SECTIONS OF NC-9,
AND 87 SECTIONS OF SECONDARY ROADS.

TYPE OF WORK MILLING, RESURFACING, SIGNALS, AND SHOULDER RECONSTRUCTION.

NOTICE:

ALL BIDDERS SHALL COMPLY WITH ALL APPLICABLE LAWS REGULATING THE PRACTICE OF GENERAL CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA WHICH REQUIRES THE BIDDER TO BE LICENSED BY THE N.C. LICENSING BOARD FOR CONTRACTORS WHEN BIDDING ON ANY NON-FEDERAL AID PROJECT WHERE THE BID IS \$30,000 OR MORE, EXCEPT FOR CERTAIN SPECIALTY WORK AS DETERMINED BY THE LICENSING BOARD. BIDDERS SHALL ALSO COMPLY WITH ALL OTHER APPLICABLE LAWS REGULATING THE PRACTICES OF ELECTRICAL, PLUMBING, HEATING AND AIR CONDITIONING AND REFRIGERATION CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA. NOTWITHSTANDING THESE LIMITATIONS ON BIDDING, THE BIDDER WHO IS AWARDED ANY FEDERAL - AID FUNDED PROJECT SHALL COMPLY WITH CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA FOR LICENSING REQUIREMENTS WITHIN 60 CALENDAR DAYS OF BID OPENING.

BIDS WILL BE RECEIVED AS SHOWN BELOW:

THIS IS A ROADWAY PROPOSAL

5% BID BOND OR BID DEPOSIT REQUIRED

PROJECT SPECIAL PROVISIONS**GENERAL****CONTRACT TIME AND LIQUIDATED DAMAGES:**

(7-1-95) (Rev. 12-18-07)

108

SP1 G10 A

The date of availability for this contract is **July 30, 2018**.

The completion date for this contract is **October 19, 2019**.

Except where otherwise provided by the contract, observation periods required by the contract will not be a part of the work to be completed by the completion date and/or intermediate contract times stated in the contract. The acceptable completion of the observation periods that extend beyond the final completion date shall be a part of the work covered by the performance and payment bonds.

The liquidated damages for this contract are **Two Thousand Dollars (\$ 2,000.00)** per calendar day.

INTERMEDIATE CONTRACT TIME NUMBER 1 AND LIQUIDATED DAMAGES:

(2-20-07)

108

SP1 G14 A

The Contractor shall complete the required work of installing, maintaining, and removing the traffic control devices for lane closures and restoring traffic to the existing traffic pattern. The Contractor shall not close or narrow a lane of traffic on **Maps #2 thru #4 and #94** during the following time restrictions:

DAY AND TIME RESTRICTIONS**Monday thru Sunday, 6:00AM to 7:00PM**

In addition, the Contractor shall not close or narrow a lane of traffic on **Maps #2 thru #5 and #94**, detain and/or alter the traffic flow on or during holidays, holiday weekends, special events, or any other time when traffic is unusually heavy, including the following schedules:

HOLIDAY AND HOLIDAY WEEKEND LANE CLOSURE RESTRICTIONS

1. For **unexpected occurrence** that creates unusually high traffic volumes, as directed by the Engineer.
2. For **New Year's**, between the hours of **3:00PM** December 31st and **8:30AM** January 2nd. If New Year's Day is on a Friday, Saturday, Sunday or Monday, then until **8:30AM** the following Tuesday.
3. For **Easter**, between the hours of **3:00PM** Thursday and **8:30AM** Monday.
4. For **Memorial Day**, between the hours of **3:00PM** Friday and **8:30AM** Tuesday.

5. For **Independence Day**, between the hours of **3:00PM** the day before Independence Day and **8:30AM** the day after Independence Day.

If **Independence Day** is on a Friday, Saturday, Sunday or Monday, then between the hours of **3:00PM** the Thursday before Independence Day and **8:30AM** the Tuesday after Independence Day.

6. For **Labor Day**, between the hours of **3:00PM** Friday and **8:30AM** Tuesday.
7. For **Thanksgiving**, between the hours of **3:00PM** Tuesday and **8:30AM** Monday.
8. For **Christmas**, between the hours of **3:00PM** the Friday before the week of Christmas Day and **8:30AM** the following Tuesday after the week of Christmas Day.

Holidays and holiday weekends shall include New Year's, Easter, Memorial Day, Independence Day, Labor Day, Thanksgiving, and Christmas. The Contractor shall schedule his work so that lane closures will not be required during these periods, unless otherwise directed by the Engineer.

The time of availability for this intermediate contract work shall be the time the Contractor begins to install all traffic control devices for lane closures according to the time restrictions listed herein.

The completion time for this intermediate contract work shall be the time the Contractor is required to complete the removal of all traffic control devices for lane closures according to the time restrictions stated above and place traffic in the existing traffic pattern.

The liquidated damages are **One Thousand Dollars (\$ 1,000.00)** per hour.

INTERMEDIATE CONTRACT TIME NUMBER 2 AND LIQUIDATED DAMAGES:

(6-18-13)

108

SP1 G14 K

The Contractor shall complete all of the work required on **Maps #11, #35 and #49** and shall place and maintain traffic on same.

The date of availability for this intermediate contract time is **June 11, 2019**.

The completion date for this intermediate contract time is **August 3, 2019**.

The liquidated damages are **One Thousand Dollars (\$ 1,000.00)** per calendar day.

INTERMEDIATE CONTRACT TIME NUMBER 3 AND LIQUIDATED DAMAGES:

(5-21-13)

108

SP1 G14 I

The Contractor shall complete the work required of installing each new inductive loop after the removal of each existing loop by the milling, patching or resurfacing operations and shall place and maintain traffic on same.

The date of availability for this intermediate contract time for each inductive loop installation will be the date when the Contractor elects to disturb the existing inductive loop.

asphalt surface treatment when such replacement has been made necessary by defects in subgrade or base constructed by others.

Payment will be made under:

Pay Item**Pay Unit**

Asphalt Surface Treatment, Fog Seal

Square Yard

ASPHALT SURFACE TREATMENT AGGREGATE TYPE AND APPLICATION RATES:

(02-13-15) (Rev 01-1-18)

660

SP06 R054

SEAL TYPES AND MATERIAL APPLICATION RATES					
MAP #	TYPE OF SEAL	LAYER	AGGREGATE TYPE	AGGREGATE TARGET RATES^A (LBS/SY)	EMULSION TARGET RATES^{B,C,D} (GAL/SY)
Maps 75 thru 93	Double	Top	5/16" LW	9	0.25
		Bottom	78M	18	0.30

A. Aggregate Target Rates have +/- 2.0 lbs/sy tolerance limit.

B. Emulsion Target Rates have +/- 0.05 gal/sy tolerance limit.

C. Grades of emulsion shall be CRS-2L or CRS-2P.

D. Application temperatures shall be 160-170°F.

Contractor shall adjust aggregate and emulsion rates as necessary based on the existing surface, roadway conditions, weather conditions, and as directed by the Engineer. When the Engineer requires aggregate to be applied at rates above the tolerance limit, the additional aggregate above the limit will be paid in accordance with Article 104-7 of the *Standard Specifications*.

RESURFACING EXISTING BRIDGES:

(3-20-12) (Rev. 8-21-12)

SP6 R61BR

The Contractor's attention is directed to the fact that he will be required to mill and resurface the bridges on this project if directed by the Engineer.

Place the surface so as to follow a grade line set by the Engineer with the minimum thickness as shown on the sketch herein or as directed by the Engineer. State Forces will make all necessary repairs to the bridge floors prior to the time that the Contractor places the proposed surfacing. Give the Engineer at least 15 days notice prior to the expected time to begin operations so that State Forces will have sufficient time to complete their work.

At bridges that are not to be resurfaced, the bridge approaches are to be milled in accordance with the detail shown in the typical sections. Also, any bridge that is to be milled and then resurfaced, the bridge approaches should be milled in accordance with the detail shown in the typical sections. Both of these types of milling will be paid for as incidental milling.

The Contractor's attention is directed to the fact that Bridge Number 266 on Map 7, Number 184 on Map 14, Number 496 on Map 27, Number 514 on Map 30, Number 479 on Map 51, Number 542 on Map 51, and Number 674 on Map 51 will not be paved. Bridge Number(s) 27 on Map 1, Number 361 on Map 11, Number 185 on Map 14, Number 220 on Map 23, Number 569 on Map 23, Number 515 on Map 30, Number 89 on Map 35, Number 405 on Map 45, and Number 227 on Map 49 will be milled and paved. All other bridges may be paved.

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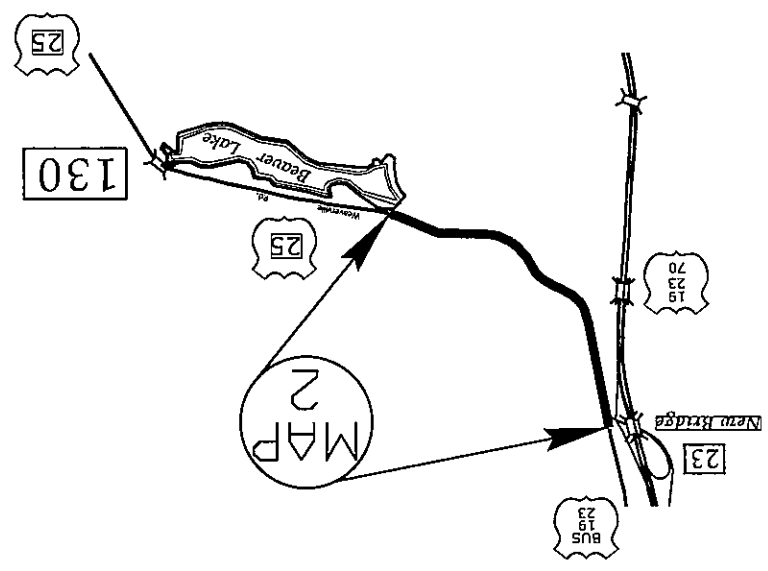
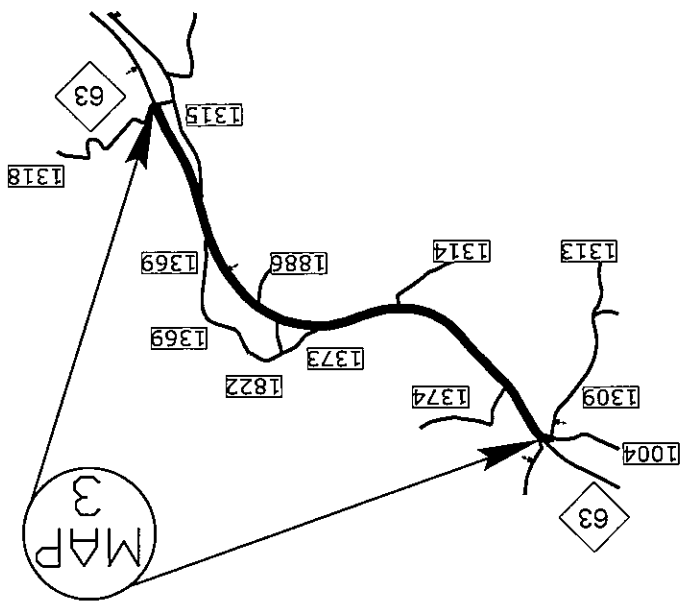
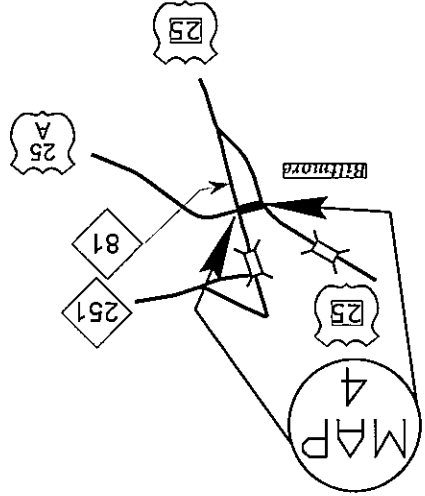
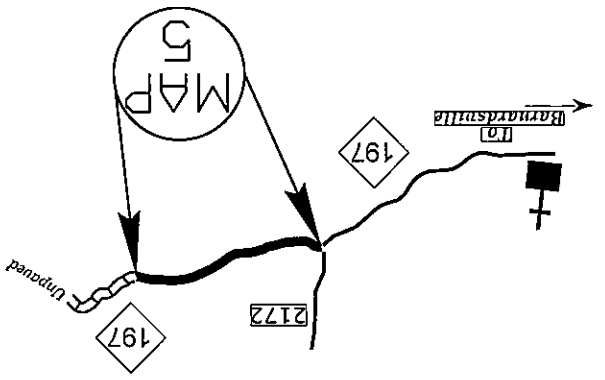
County : Buncombe

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
ROADWAY ITEMS						
0001	0000100000-N	800	MOBILIZATION	Lump Sum	L.S.	
0002	1220000000-E	545	INCIDENTAL STONE BASE	2,611 TON		
0003	1245000000-E	SP	SHOULDER RECONSTRUCTION	104.61 SMI		
0004	1260000000-E	SP	AGGREGATE SHOULDER BORROW	13,600 TON		
0005	1297000000-E	607	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")	118,655 SY		
0007	1308000000-E	607	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 1-1/2")	11,146 SY		
0008	1330000000-E	607	INCIDENTAL MILLING	15,140 SY		
0009	1503000000-E	610	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	2,205 TON		
0010	1519000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	43,928 TON		
0011	1523000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	28,787 TON		
0012	1575000000-E	620	ASPHALT BINDER FOR PLANT MIX	4,778 TON		
0014	1704000000-E	SP	PATCHING EXISTING PAVEMENT	20,480 TON		
0015	1803500000-E	660	ASPHALT SURFACE TREATMENT, DOUBLE SEAL	165,152 SY		
0016	1820000000-E	SP	ASPHALT SURFACE TREATMENT, FOG SEAL	165,152 SY		
0017	1838000000-E	660	EMULSION FOR ASPHALT SURFACE TREATMENT	90,895 GAL		
0018	1838500000-N	660	VACUUM TRUCK	8 WK		
0021	1891000000-E	SP	GENERIC PAVING ITEM LATEX MODIFIED MICRO-SURFACING TYPE III	52,086 SY		

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0022	2605000000-N	848	CONCRETE CURB RAMPS	54 EA		
0023	2815000000-N	858	ADJUSTMENT OF DROP INLETS	4 EA		
0024	2830000000-N	858	ADJUSTMENT OF MANHOLES	89 EA		
0025	2845000000-N	858	ADJUSTMENT OF METER BOXES OR VALVE BOXES	71 EA		
0026	4413000000-E	SP	WORK ZONE ADVANCE/GENERAL WARNING SIGNING	7,777 SF		
0027	4457000000-N	SP	TEMPORARY TRAFFIC CONTROL	Lump Sum	L.S.	
0029	4697000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)	100 LF		
0031	4705000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)	210 LF		
0032	4710000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)	2,141 LF		
0033	4721000000-E	1205	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)	74 EA		
0034	4725000000-E	1205	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	178 EA		
0036	4810000000-E	1205	PAINT PAVEMENT MARKING LINES (4")	1,733,147 LF		
0037	4835000000-E	1205	PAINT PAVEMENT MARKING LINES (24")	660 LF		
0038	4845000000-N	1205	PAINT PAVEMENT MARKING SYMBOL	146 EA		
0039	4847010000-E	1205	POLYUREA PAVEMENT MARKING LINES (4", 20 MILS)	531,694 LF		
0040	4847050000-E	1205	POLYUREA PAVEMENT MARKING LINES (8", 20 MILS)	370 LF		
0043	4905000000-N	1253	SNOWPLOWABLE PAVEMENT MARKERS	2,268 EA		
0044	5255000000-N	1413	PORTABLE LIGHTING	Lump Sum	L.S.	

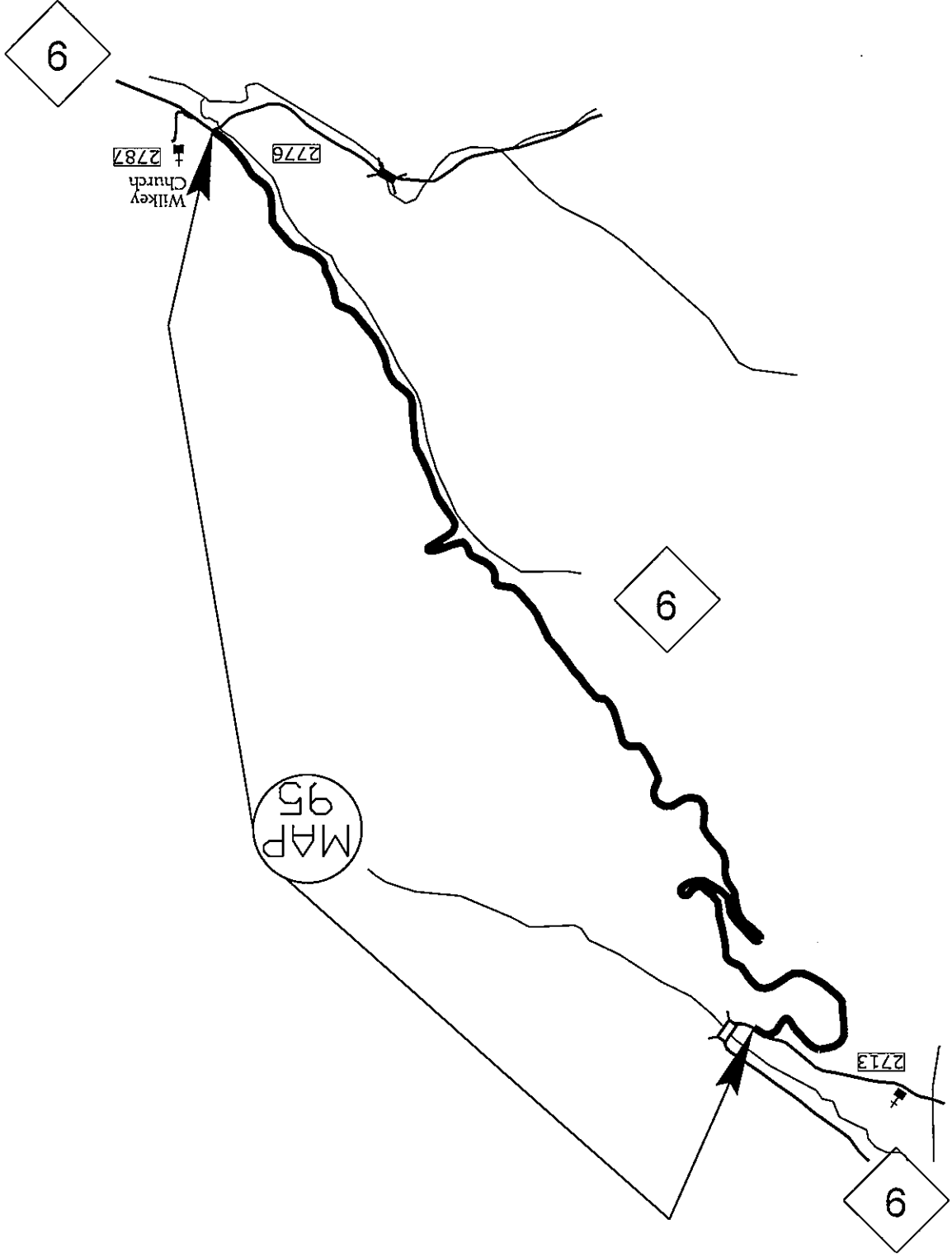
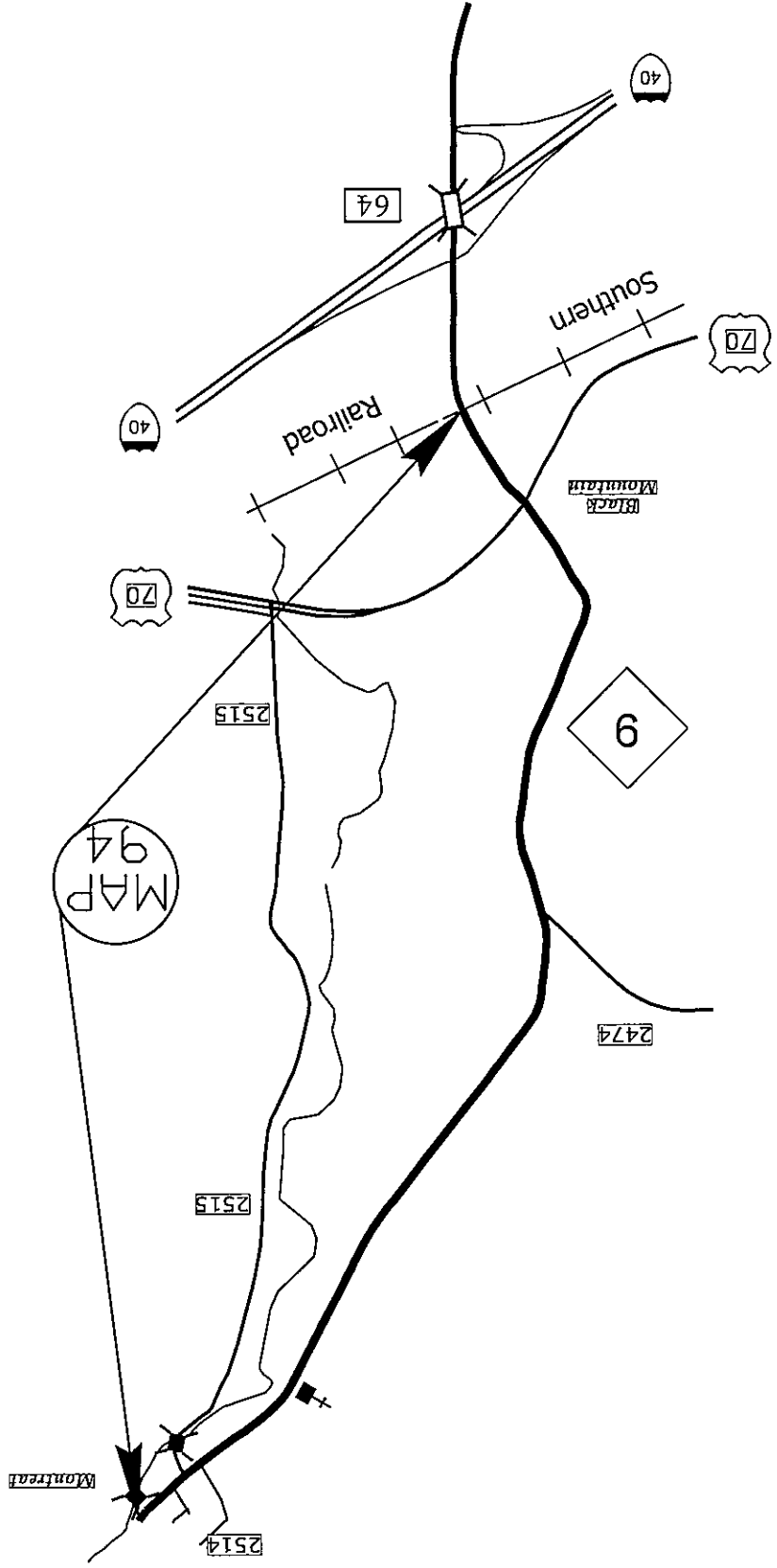
Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0045	7444000000-E	1725	INDUCTIVE LOOP SAWCUT	15,850 LF		
1340/Jun06/Q3029563.61/D109986160000/E36			Total Amount Of Bid For Entire Project :			

BUNCOMBE COUNTY



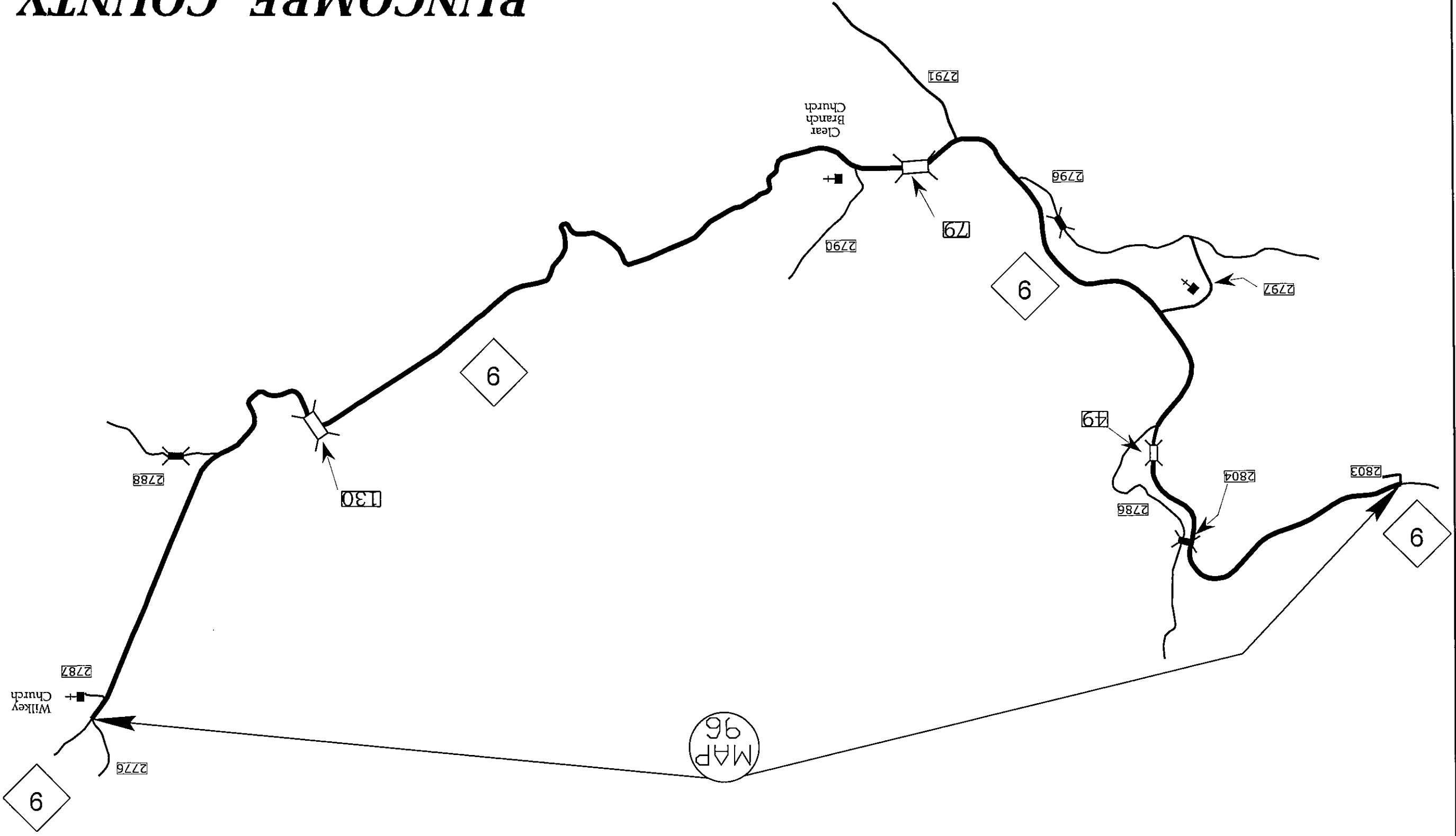
PROJECT NO.	2019CPT.13.01.1011, 2019CPT.13.01.2011, 2019CPT.13.01.2012
SHEET NO.	I
TOTAL SHEETS	

BUNCOMBE COUNTY



PROJECT NO.	2019CPT.13.01.1011, 2019CPT.13.01.2011
SHEET NO.	11A
TOTAL SHEETS	

BUNCOMBE COUNTY



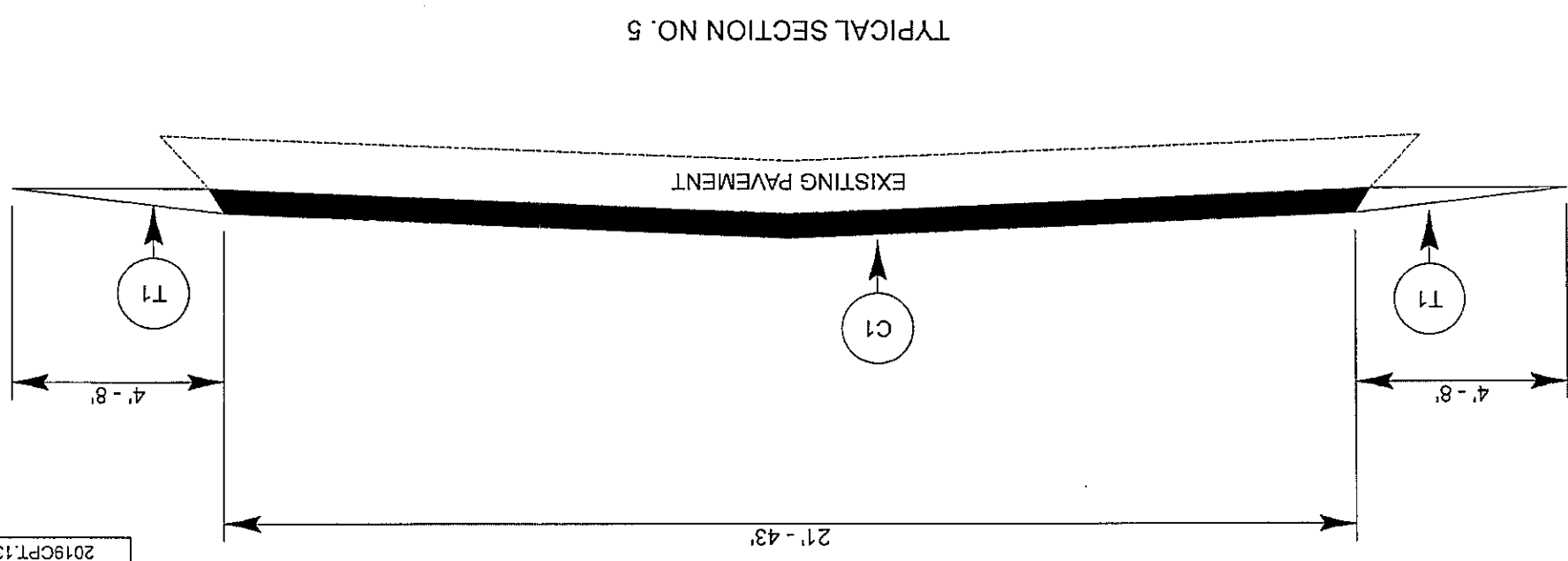
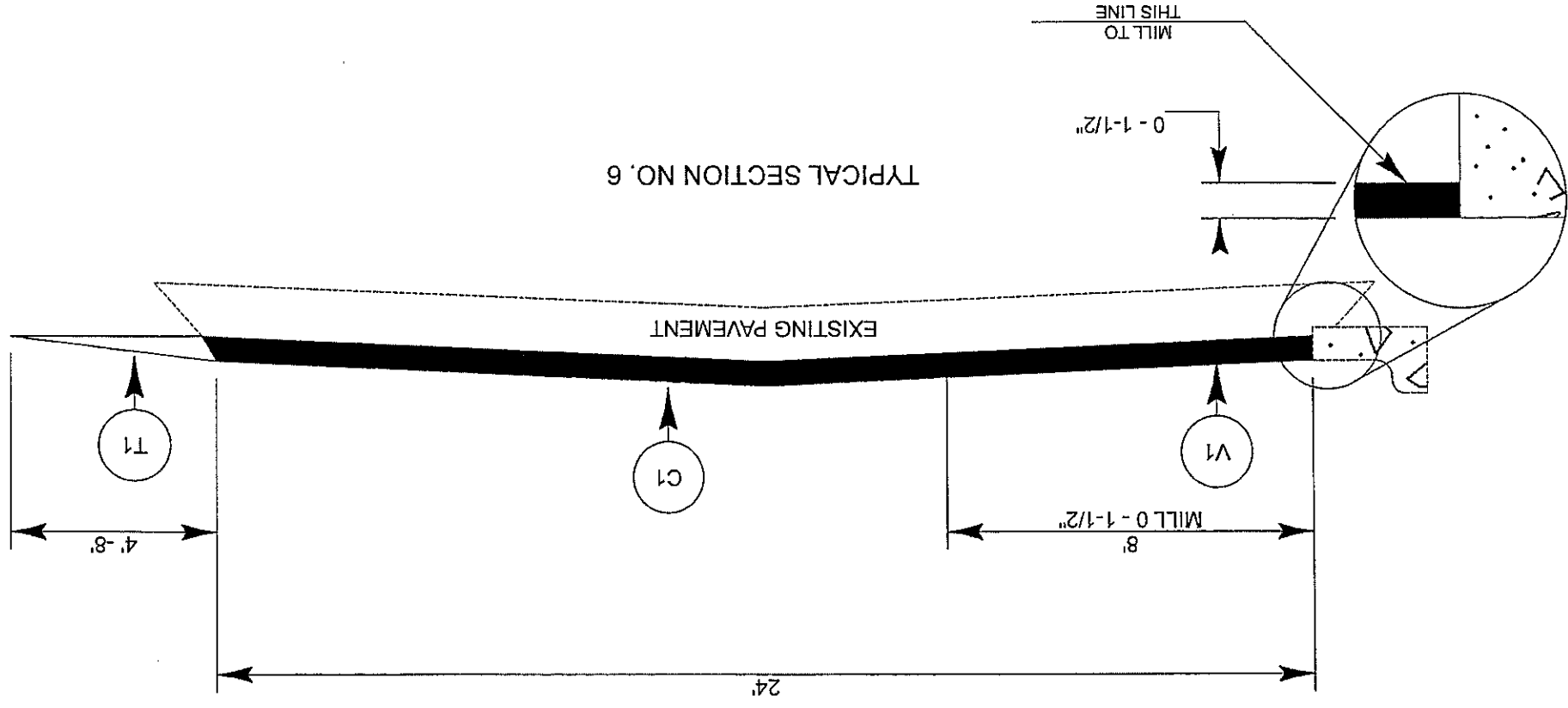
MAP 96



PROJECT NO.	2019CPT.13.01.20111 2019CPT.13.01.20112
SHEET NO.	IIB
TOTAL SHEETS	

PROJECT NO.	2019CPT.13.01.10111,	
SHEET NO.	2019CPT.13.01.20111,	12
TOTAL SHEETS	2019CPT.13.01.20112,	

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YARD
C2	PROP. APPROX. 1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YARD
D1	PROP. APPROX. 2-1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
F1	ASPHALT SURFACE TREATMENT, DOUBLE SEAL
F2	ASPHALT SURFACE TREATMENT, FOG SEAL
T1	SHOULDER RECONSTRUCTION
V1	MILLING ASPHALT PAVEMENT, 0 TO 1-1/2" DEPTH
V2	MILLING ASPHALT PAVEMENT, 1-1/2" DEPTH
V3	INCIDENTAL MILLING
Y1	LATEX MODIFIED MICRO-SURFACING, TYPE III

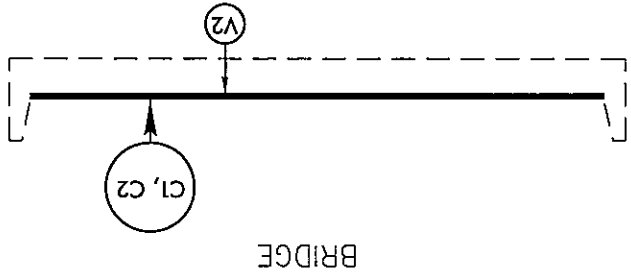


TYPICAL SECTION NO. 6

TYPICAL SECTION NO. 5

PROJECT NO.	2019CPT.13.01.10111, 2019CPT.13.01.20111, 2019CPT.13.01.20112,
SHEET NO.	14
TOTAL SHEETS	

PROJECT NO.	2019CPT.13.01.10111, 2019CPT.13.01.20111, 2019CPT.13.01.20112
SHEET NO.	21
TOTAL SHEETS	



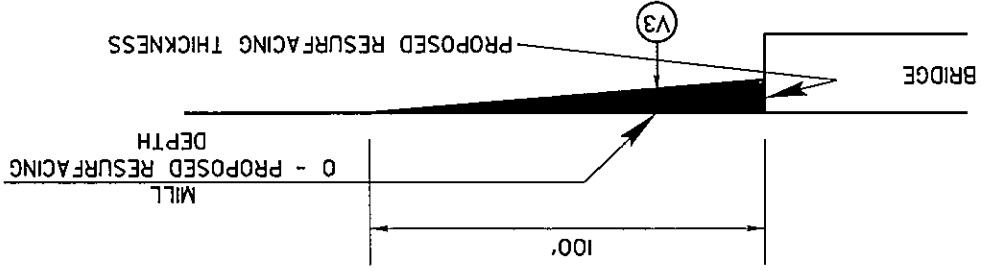
BRIDGE DETAIL

MILL 1-1/2" OFF EXISTING PAVEMENT
SEE MAPS FOR BRIDGE LOCATION

MAP NO.	11
BRIDGE NO.	361
MAP NO.	14
BRIDGE NO.	185
MAP NO.	23
BRIDGE NO.	220
MAP NO.	23
BRIDGE NO.	569
MAP NO.	30
BRIDGE NO.	515
MAP NO.	35
BRIDGE NO.	89
MAP NO.	45
BRIDGE NO.	405
MAP NO.	49
BRIDGE NO.	227
MAP NO.	96
BRIDGE NO.	79

MILLING DETAIL AT BRIDGE APPROACHES

WHERE BRIDGES WILL NOT BE RESURFACED,
THIS WILL BE PAID FOR AS INCIDENTAL MILLING.
USE AT:

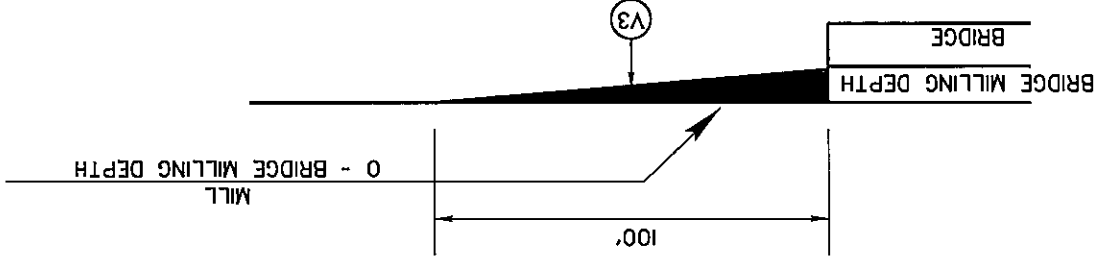


MAP NO.	7
BRIDGE NO.	266
MAP NO.	14
BRIDGE NO.	184
MAP NO.	27
BRIDGE NO.	496
MAP NO.	30
BRIDGE NO.	514

MAP NO.	51
BRIDGE NO.	479
MAP NO.	51
BRIDGE NO.	542
MAP NO.	51
BRIDGE NO.	674
MAP NO.	96
BRIDGE NO.	130

MILLING DETAIL AT BRIDGE APPROACHES

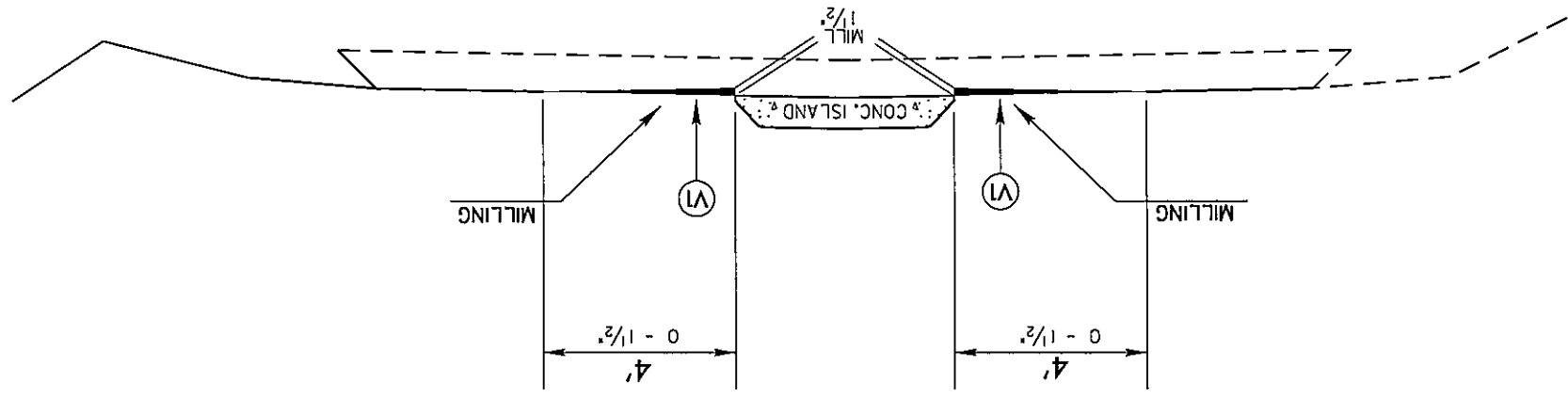
WHERE BRIDGES WILL BE MILLED THEN RESURFACED,
THIS WILL BE PAID FOR AS INCIDENTAL MILLING.
USE AT:



MAP NO.	11
BRIDGE NO.	361
MAP NO.	14
BRIDGE NO.	185
MAP NO.	23
BRIDGE NO.	220
MAP NO.	23
BRIDGE NO.	569
MAP NO.	30
BRIDGE NO.	515
MAP NO.	35
BRIDGE NO.	89
MAP NO.	45
BRIDGE NO.	405
MAP NO.	49
BRIDGE NO.	227

MAP NO.	96
BRIDGE NO.	49
MAP NO.	96
BRIDGE NO.	79

SPECIAL MILLING DETAIL TO BE USED AT LOCATIONS WITH CONCRETE MONOLITHIC ISLANDS



MILLING DETAIL

PROJECT NO.	2019CPT.13.01.2011, 2019CPT.13.01.2011, 2019CPT.13.01.2012
SHEET NO.	22
TOTAL SHEETS	

THEMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	TYPE	LENGTH	WIDTH	441300000-E	445700000-E	469700000-E	470500000-E	471000000-E	472100000-E	481000000-E	483500000-E	484500000-E	484701000-E	487050000-E	490500000-E
										LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS
2019CPT.13.01.20111	Buncombe	2	US-25	BRIDGE NO. 153 +0.642 TO US 19/23 BUS (MP 14.87 - MP 15.88)	4,5	2	MU	1.01	26												
		3	NC-63	FROM SR 1318 TO SR 1004 (MP 1.65 - MP 4.46)	3	5	MU	2.61	61												
		4	US 25 A	FROM NC 63 TO US 25 (MP 8.53 - MP 8.57)	3	5	MU	0.04	50												
		5	NC 197	FROM RAILROAD TO END OF MAINT. (EOP) (MP 9.67 - MP 10.76)	7	2	ZWU	1.09	23												
		94	NC 9	FROM SR 2776 TO SR 2713 (MP 14.99 - MP 16.76)	1,4,5	3	MU	1.77	23												
		95	NC 9	FROM SR 2776 TO SR 2776 (MP 9.50 - MP 13.11)	5	2	ZWU	3.81	21												
		96	NC 9	FROM SR 2803 TO SR 2776 (MP 1.88 - MP 9.50)	5	2	ZWU	7.62	23												
TOTAL FOR PROJ NO. 2019CPT.13.01.20111										1,370											
2019CPT.13.01.20111	Buncombe	6	SR 2002	FROM SR 2419 TO SR 2416 (MP 3.63 - MP 5.96)	8	2	ZWU	2.33	20												
		7	SR 1228	FROM SR 1002 TO NC 63 (MP 0.00 - MP 1.39)	8	2	ZWU	1.39	19												
		8	SR 1302	FROM NC 63 TO SR 1319 (MP 0.00 - MP 1.42)	8	2	ZWU	1.42	21												
		9	SR 1315	FROM SR NC 63 TO SR 1338 (MP 0.00 - MP 0.61)	8,9	2	ZWU	0.61	20												
		10	SR 1318	FROM SR 1315 TO US 19 (MP 0.08 - MP 1.27)	8,10	2	ZWU	1.19	20												
		11	SR 1319	FROM SR 1369 TO NC 63 (MP 0.00 - MP 2.12)	8,9,10,11,12	2	ZWU	2.12	20,5												
		12	SR 1374	FROM SR 1357 TO EOM (MP 0.00 - MP 1.95)	8	2	ZWU	1.95	20												
		13	SR 1366	FROM MADISON COUNTY LINE (MP 0.00 - MP 0.21)	8	2	ZWU	0.21	18												
		14	SR 1394	TO SR 1393 (MP 0.04 - MP 3.83)	8,10	2	ZWU	3.79	20												
		15	SR 1440	FROM SR 1224 TO DEAD END (MP 0.00 TO MP 0.19)	8	2	ZWU	0.19	18												
		16	SR 1422	FROM US 25 TO SR 1756 (MP 2.09 - MP 3.10)	8	2	ZWU	1.01	19												
		17	SR 1811	FROM SR 1733 TO EOM (MP 0.00 - MP 0.21)	8	2	ZWU	0.21	17												
		18	SR 1839	FROM BEG OF PAVMT TO NC 51 (MP 0.21 - MP 1.69)	8	2	ZWU	1.48	22												
		19	SR 1858	FROM SR 2098 TO SR 2103 (MP 0.00 - MP 0.28)	13	2	ZWU	0.28	24												
		20	SR 2101	FROM BRIDGE 146 TO EOM (MP 0.00 - MP 1.76)	8	2	ZWU	1.76	18												
		21	SR 2173	FROM SR 2002 TO SR 2203 (MP 3.60 - MP 4.95)	8	2	ZWU	1.35	18												
		22	SR 2408	FROM SR 1003 TO SR 2994 (MP 0.00 - MP 1.60)	8	2	ZWU	1.6	22												
		23	SR 2098	FROM SR 2427 TO EOM (MP 0.00 - MP 0.87)	8	2	ZWU	0.87	18												
		24	SR 2428	FROM SR 2474 TO SR 2500 (MP 0.00 - MP 3.0)	8,10	2	ZWU	0.3	19												
		25	SR 2473	FROM SR 2571 TO CUL-DE-SAC (MP 0.00 - MP 1.07)	8,10	2	ZWU	1.07	19												
		26	SR 2574	FROM MCDOWELL COUNTY LINE (MP 0.00 - MP 0.06)	9	2	ZWU	0.06	24												
		27	SR 2702	TO SR 2531 (MP 0.00 - MP 0.94)	8,9,10,12	2	ZWU	0.94	36,5												
		28	SR 2705	FROM SR 2702 TO END PAVT (MP 0.00 - MP 0.15)	8	2	ZWU	0.15	17												
		29	SR 2731	FROM SR 2868 TO EOM (MP 0.00 - MP 0.58)	8	2	ZWU	0.58	18												
		30	SR 2791	TO SR 2795 (MP 0.27 - MP 2.20)	8,10	2	ZWU	1.93	20,5												
		31	SR 2811	FROM END PAVT TO SR 2813 (MP 0.00 - MP 1.02)	8,10	2	ZWU	1.02	17												
		32	SR 2811	FROM SR 2793 TO DEAD END (MP 1.70 - MP 2.11)	8,10	2	ZWU	0.41	18												
		33	SR 2852	FROM SR 2868 TO SR 2859 (MP 0.00 - MP 0.27)	13	2	ZWU	0.27	18,5												
		34	SR 2856	FROM SR 2868 TO SR 2859 (MP 0.14 - MP 0.38)	13	2	ZWU	0.24	18												
		35	SR 3147	FROM SR 3186 TO SR 3138 (MP 0.00 - MP 0.38)	8	2	ZWU	0.38	20												
		36	SR 3160	FROM SR 3162 TO SR 3159 (MP 0.00 - MP 0.27)	8	2	ZWU	0.27	16												
		37	SR 3166	FROM SR 3165 TO US 25 A (MP 0.00 - MP 0.12)	8	2	ZWU	0.12	18												
		38	SR 3280	FROM SR 3157 TO CUL-DE-SAC (MP 0.00 - MP 0.51)	8,11,12	2	ZWU	0.51	24												
		39	SR 3339	FROM SR 3332 TO CUL-DE-SAC (MP 0.00 - MP 0.08)	13	2	ZWU	0.08	24												
		40	SR 3360	FROM SR 3350 TO CUL-DE-SAC (MP 0.00 - MP 0.05)	13	2	ZWU	0.05	19												
		41	SR 3362	FROM SR 3363 TO CUL-DE-SAC (MP 0.00 - MP 0.05)	8	2	ZWU	0.05	19												
		42	SR 3363	FROM SR 3121 TO CUL-DE-SAC (MP 0.00 - MP 0.14)	8	2	ZWU	0.14	21												
		43	SR 3428	FROM NC 191 TO PAVT CHG (MP 0.00 - MP 0.18)	8	2	ZWU	0.18	19												
		44	SR 3429	FROM CLASHVILLE TO EOM (MP 0.30 - MP 0.40)	8,10	2	ZWU	0.1	18												
		45	SR 3451	FROM BRIDGE NO. 405 TO NC 151 (MP 0.39 - MP 0.54)	8	2	ZWU	0.15	20												
		46	SR 3475	FROM SR 3474 TO END PAVT (MP 0.00 - MP 0.33)	8	2	ZWU	0.33	18												
		47	SR 3520	FROM NC 191 TO EOM (MP 0.14 - MP 0.81)	8	2	ZWU	0.67	24												

4,334

