

Job No.: JKUM0122
Route: Various
County: Various

JOB SPECIAL PROVISIONS TABLE OF CONTENTS

(Job Special Provisions shall prevail over General Provisions whenever in conflict therewith.)

A. General – State JSP-09-03L	1
B. Contract Liquidated Damages JSP-13-01D	1
C. Work Zone Traffic Management JSP-02-06N	2
D. Emergency Provisions and Incident Management JSP-90-11A	5
E. Project Contact for Contractor/Bidder Questions JSP-96-05A	5
F. Project Details and Quantities	6
G. Supplemental Revisions JSP-18-01KK	27
H. Early Notice to Proceed	34

 Trisha Sen NUMBER PE-2017019044 12/22/2025 3:54:06 PM TRISHA SEN - CIVIL MO-PE-2017019044	<p>MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION 105 W. CAPITOL AVE. JEFFERSON CITY, MO 65102 Phone 1-888-275-6636</p> <p>If a seal is present on this sheet, JSP's have been electronically sealed and dated.</p> <p>Job Number: JKUM0122 Various Counties, MO Date Prepared: 12/15/2025</p> <p>ADDENDUM DATE:</p> <p>Only the following items of the Job Special Provisions (Roadway) are authenticated by this seal: ALL</p>
--	--

Job No.: JKUM0122
Route: Various
County: Various

JOB
SPECIAL PROVISION

A. General – State JSP-09-03L

1.0 Description. The Federal Government is not participating in the cost of construction of this project.

1.1 This contract requires payment of the prevailing hourly rate of wages for each craft or type of worker required to execute the contract as determined by the Missouri Department of Labor and Industrial Relations. The current State Wage Rates can be found on the Missouri Department of Transportation web page at www.modot.org under "Doing Business with MoDOT", "Contractor Resources" for the applicable bid opening. This supplemental bidding document has important legal consequences. It shall be conclusively presumed that they are in the bidder's possession, and they have been reviewed and used by the bidder in the preparation of any bid submitted on this project.

State Wage Rates

1.2 The following documents are available on the Missouri Department of Transportation web page at www.modot.org under "Doing Business with MoDOT"; "Standards and Specifications". The effective version shall be determined by the letting date of the project.

General Provisions & Supplemental Specifications

Supplemental Plans to July 2025 Missouri Standard Plans
For Highway Construction

These supplemental bidding documents contain all current revisions to the published versions and have important legal consequences. It shall be conclusively presumed that they are in the bidder's possession, and they have been reviewed and used by the bidder in the preparation of any bid submitted on this project.

B. Contract Liquidated Damages JSP-13-01D

1.0 Description. Liquidated Damages for failure or delay in completing the work on time for this contract shall be in accordance with Sec 108.8. The liquidated damages include separate amounts for road user costs and contract administrative costs incurred by the Commission.

2.0 Period of Performance. Prosecution of work is expected to begin on the date specified below in accordance with Sec 108.2. Regardless of when the work is begun on this contract, all work on all projects shall be completed on or before the date specified below. Completion by this date shall be in accordance with the requirements of Sec 108.7.1.

Notice to Proceed: March 9, 2026
Contract Completion Date: June 9, 2026

3.0 Liquidated Damages for Contract Administrative Costs. Should the contractor fail to complete the work on or before the contract completion date specified in Section 2.0, or within the number of calendar days specified in Section 2.1, whichever occurs first, the contractor will be charged contract administrative liquidated damages in accordance with Sec 108.8 in the amount of **\$750** per calendar day

Job No.: JKUM0122
Route: Various
County: Various

for each calendar day, or partial day thereof, that the work is not fully completed. For projects in combination, these damages will be charged in full for failure to complete one or more projects within the specified contract completion date or calendar days.

4.0 Liquidated Damages for Road User Costs. Should the contractor fail to complete the work on or before the contract completion date specified in Section 2.0, or within the number of calendar days specified in Section 2.1, whichever occurs first, the contractor will be charged road user costs in accordance with Sec 108.8 in the amount specified in Section 2.1 for each calendar day, or partial day thereof, that the work is not fully completed. These damages are in addition to the contract administrative damages and any other damages as specified elsewhere in this contract.

C. Work Zone Traffic Management JSP-02-06N

1.0 Description. Work zone traffic management shall be in accordance with applicable portions of Division 100 and Division 600 of the Standard Specifications, and specifically as follows.

1.1 Maintaining Work Zones and Work Zone Reviews. The Work Zone Specialist (WZS) shall maintain work zones in accordance with Sec 616.3.3 and as further stated herein. The WZS shall coordinate and implement any changes approved by the engineer. The WZS shall ensure all traffic control devices are maintained in accordance with Sec 616, the work zone is operated within the hours specified by the engineer, and will not deviate from the specified hours without prior approval of the engineer. The WZS is responsible to manage work zone delay in accordance with these project provisions. When requested by the engineer, the WZS shall submit a weekly report that includes a review of work zone operations for the week. The report shall identify any problems encountered and corrective actions taken. Work zones are subject to unannounced inspections by the engineer and other departmental staff to corroborate the validity of the WZS's review and may require immediate corrective measures and/or additional work zone monitoring.

1.2 Work Zone Deficiencies. Failure to make corrections on time may result in the engineer suspending work. The suspension will be non-excusable and non-compensable regardless if road user costs are being charged for closures.

2.0 Traffic Management Schedule.

2.1 Traffic management schedules shall be submitted to the engineer for review prior to the start of work and prior to any revisions to the traffic management schedule. The traffic management schedule shall include the proposed traffic control measures, the hours traffic control will be in place, and work hours.

2.2 The traffic management schedule shall conform to the limitations specified in Sec 616 regarding lane closures, traffic shifts, road closures and other width, height and weight restrictions.

2.3 The engineer shall be notified as soon as practical of any postponement due to weather, material or other circumstances.

2.4 In order to ensure minimal traffic interference, the contractor shall schedule lane closures for the absolute minimum amount of time required to complete the work. Lanes shall not be closed until material is available for continuous construction and the contractor is prepared to diligently pursue the work until the closed lane is opened to traffic.

2.5 Traffic Congestion. The contractor shall, upon approval of the engineer, take proactive measures to reduce traffic congestion in the work zone. The contractor shall immediately implement appropriate mitigation strategies whenever traffic congestion reaches an excess of **15 minutes** to prevent congestion from escalating beyond this delay threshold. If disruption of the traffic flow occurs and traffic is backed up in queues equal to or greater than the delay time threshold listed above, then the contractor shall immediately review the construction operations which contributed directly to disruption of the traffic flow and make adjustments to the operations to prevent the queues from reoccurring. Traffic delays may be monitored by physical presence on site or by utilizing real-time travel data through the work zone that generate text and/or email notifications where available. The engineer monitoring the work zone may also notify the contractor of delays that require prompt mitigation. The contractor may work with the engineer to determine what other alternative solutions or time periods would be acceptable. When a Work Zone Analysis Spreadsheet is provided, the contractor will find it in the electronic deliverables on MoDOT's Online Plans Room. The contractor may refer to the Work Zone Analysis Spreadsheet for detailed information on traffic delays.

2.5.1 Traffic Safety.

2.5.1.1 Recurring Congestion. Where traffic queues routinely extend to within 1000 feet of the ROAD WORK AHEAD, or similar, sign on a divided highway or to within 500 feet of the ROAD WORK AHEAD, or similar, sign on an undivided highway, the contractor shall extend the advance warning area, as approved by the engineer.

2.5.1.2 Non-Recurring Congestion. When traffic queues extend to within 1000 feet of the ROAD WORK AHEAD, or similar, sign on a divided highway or to within 500 feet of the ROAD WORK AHEAD, or similar, sign on an undivided highway infrequently, the contractor shall deploy a means of providing advance warning of the traffic congestion, as approved by the engineer. The warning location shall be no less than 1000 feet and no more than 0.5 mile in advance of the end of the traffic queue on divided highways and no less than 500 feet and no more than 0.5 mile in advance of the end of the traffic queue on undivided highways.

2.6 Traffic Management Center (TMC) Coordination. The Work Zone Specialist (WZS) or their designee shall contact by phone the MoDOT Traffic Management Center (KC Scout TMC at #816-347-2250 or Gateway Guide TMC at #314-275-1513) within five minutes of a lane or ramp closure beginning and within five minutes of a lane or ramp closure being removed. The WZS shall make this phone call 24 hours a day, 365 days of the year since the MoDOT Traffic Management Centers are always staffed.

3.0 Work Hour Restrictions.

3.1 Except for emergency work, as determined by the engineer, and long term lane closures required by project phasing, all lanes shall be scheduled to be open to traffic during the five major holiday periods shown below, from 12:00 noon on the last working day preceding the holiday until 6:00 a.m. on the first working day subsequent to the holiday unless otherwise approved by the engineer.

Memorial Day
Labor Day
Thanksgiving
Christmas
New Year's Day

3.1.1 Independence Day. The lane restrictions specified in Section 3.1 shall also apply to Independence Day, except that the restricted periods shall be as follows:

When Independence Day falls on:	The Holiday is Observed on:	Halt Lane Closures beginning at:	Allow Lane Closures to resume at:
Sunday	Monday	Noon on Friday	6:00 a.m. on Tuesday
Monday	Monday	Noon on Friday	6:00 a.m. on Tuesday
Tuesday	Tuesday	Noon on Monday	6:00 a.m. on Wednesday
Wednesday	Wednesday	Noon on Tuesday	6:00 a.m. on Thursday
Thursday	Thursday	Noon on Wednesday	6:00 a.m. on Friday
Friday	Friday	Noon on Thursday	6:00 a.m. on Monday
Saturday	Friday	Noon on Thursday	6:00 a.m. on Monday

3.2 The contractor shall not perform any construction operation on the roadway, roadbed or active lanes, including the hauling of material within the project limits, during restricted periods, holiday periods or other special events specified in the contract documents.

3.3 The contractor shall be aware that traffic volume data indicates construction operations on the roadbed between the following hours will likely result in traffic queues greater than 15 minutes. Based on this, the contractor's operations will be restricted accordingly unless it can be successfully demonstrated the operations can be performed without a 15 minute queue in traffic. It shall be the responsibility of the engineer to determine if the above work hours may be modified. Working hours for evenings, weekends and holidays will be determined by the engineer. The contractor may not work during the following listed hours:

6:30 a.m. - 8:30 a.m. Monday through Friday
 3:00 p.m. - 6:00 p.m. Monday through Friday

3.5 The contractor shall not alter the start time, ending time, or a reduction in the number of through lanes of traffic or ramp closures without advance notification and approval by the engineer. The only work zone operation approved to begin 30 minutes prior to a reduction in through traffic lanes or ramp closures is the installation of traffic control signs. Should lane closures be placed or remain in place, prior to the approved starting time or after the approved ending time, the Commission, the traveling public, and state and local police and governmental authorities will be damaged in various ways, including but not limited to, increased construction administration cost, potential liability, traffic and traffic flow regulation cost, traffic congestion and motorist delays, with a resulting cost to the traveling public. These damages are not easily computed or quantified. Therefore, the contractor will be charged with liquidated damages specified in the amount of **\$1000 per 15 minute increment** for each 15 minutes that the temporary lane closures are in place and not open to traffic in excess of the limitation as specified elsewhere in this special provision. It shall be the responsibility of the engineer to determine the quantity of unapproved closure time.

3.5.1 The said liquidated damages specified will be assessed regardless if it would otherwise be charged as liquidated damages under the Missouri Standard Specification for Highway Construction, as amended elsewhere in this contract.

4.0 Basis of Payment. No direct payment will be made to the contractor to recover the cost of equipment, labor, materials, or time required to fulfill the above provisions, unless specified elsewhere in the contract document. All authorized changes in the traffic control plan shall be provided for as specified in Sec 616.

D. Emergency Provisions and Incident Management JSP-90-11A

1.0 The contractor shall have communication equipment on the construction site or immediate access to other communication systems to request assistance from law enforcement or other emergency agencies for incident management. In case of traffic accidents or the need for law enforcement to direct or restore traffic flow through the job site, the contractor shall notify law enforcement or other emergency agencies immediately as needed. The area engineer's office shall also be notified when the contractor requests emergency assistance.

2.0 In addition to the 911 emergency telephone number for ambulance, fire or law enforcement services, the following agencies may also be notified for accident or emergency situation within the project limits.

Missouri Highway Patrol Troop A	816-622-0800
MoDOT Customer Service	888-275-6636
Platte County Sheriff	816-858-2424
Clay County Sheriff	816-407-3700
Jackson County Sheriff	816-541-8017
Kansas City Police Department	816-234-5111

2.1 This list is not all inclusive. Notification of the need for wrecker or tow truck services will remain the responsibility of the appropriate law enforcement agency.

2.2 The contractor shall notify law enforcement and emergency agencies before the start of construction to request their cooperation and to provide coordination of services when emergencies arise during the construction at the project site. When the contractor completes this notification with law enforcement and emergency agencies, a report shall be furnished to the engineer on the status of incident management.

3.0 No direct pay will be made to the contractor to recover the cost of the communication equipment, labor, materials or time required to fulfill the above provisions.

E. Project Contact for Contractor/Bidder Questions JSP-96-05A

1.0 All questions concerning this project during the bidding process shall be forwarded to the project contact listed below.

Trisha Sen, Project Contact
Kansas City District
600 NE Colbern Rd
Lee's Summit, MO 64086

Telephone Number: 816-607-2029
Email: Trisha.Sen@modot.mo.gov

1.1 All questions concerning the bid document preparation can be directed to the Central Office – Design as listed below.

Telephone Number: (573) 751-2876
Email: BCS@modot.mo.gov

Job No.:	JKUM0122
Route:	Various
County:	Various

2.0 Upon award and execution of the contract, the successful bidder/contractor shall forward all questions and coordinate the work with the engineer listed below:

Robert Vohs, Resident Engineer
Kansas City District
600 NE Colbern Rd
Lee's Summit, MO 64086

Telephone Number: 816-365-0863
Email: Robert.Vohs@modot.mo.gov

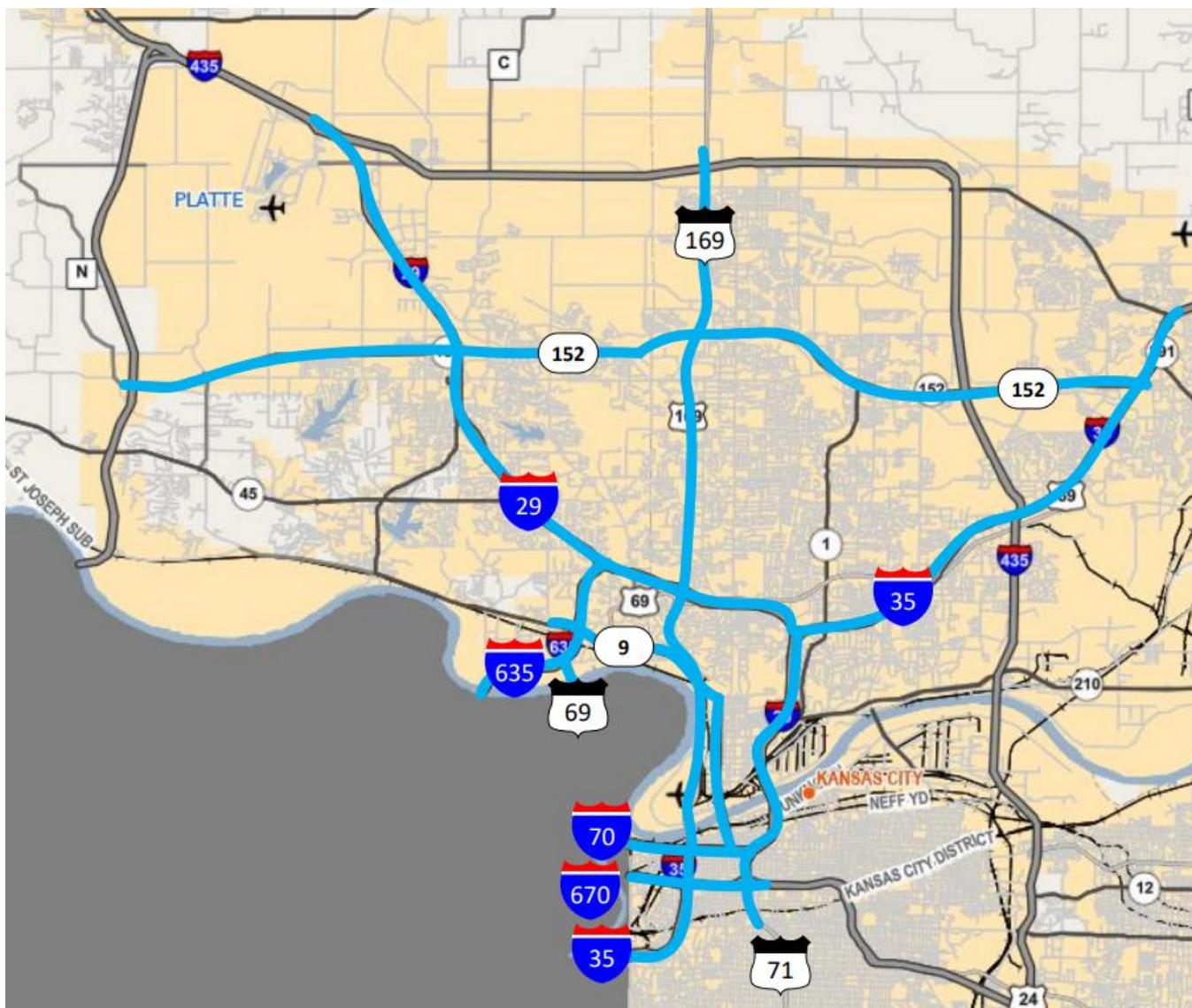
F. Project Details and Quantities

1.0 Description. This Project consists of applying pavement marking as described here in. These markings will be applied over existing markings. No new pavement marking is being added or modified, though some of the existing markings may be faded to the point of no longer being visible. It is the intent of this project that all pavement markings should be applied using driven pavement marking equipment. No markings should require hand marking techniques.

If lane closures or road closures prevent work on portions of this project, then these portions may be omitted from the project, as directed by the engineer.

The project limits are as listed below. These limits include all highway mainlines, ramps, turn lanes, and around islands. No interchange cross roads are included. The total length of pavement marking limits are 79.451 miles.

I-29: Log 4.681 to 18.765, south end of I-35 interchange to north end of south I-435 interchange
I-35: Log 0.000 to 18.351, Kansas State line to north end of the Mo 291 interchange
I-70: Log 0.000 to 2.400, Kansas State line to east end of the I-670 interchange
I-635: Log 0.000 to 3.360, its entire length
I-670: Log 0.000 to 2.314, its entire length
US 71: Log 198.374 to 199.217, north end of the 22nd interchange to the north end of the I-70 interchange
US 169: Log 1.141 to 15.787, 5th (north of I-70) to north end of the I-435 interchange
Route 9: Log 0.008 to 6.565, Admiral (south of I-70) to Northwood (north/west of I-635)
Route 152: Log 0.000 to 16.896, its entire length



The work shall be completed in the following order: I-29 mainline in Clay and Platte Counties, then I-29/35 mainline in Clay and Jackson Counties, then the freeway mainlines in Jackson County (I-35, I-70, I-670, US 71), then Route 169 mainline in Clay and Jackson Counties, then all other routes. Ramps may be completed with their adjacent mainlines or at a later date.

2.0 Temporary Traffic Control Plans. See [Standard Plans 616.20](#) for standard temporary traffic control requirements.

2.1 Construction signs and channelizers are as follows:

Job No.: JKUM0122
Route: Various
County: Various

CONSTRUCTION SIGNING AND CHANNELIZERS						
SIGN NO.	SIGN	SIZE (in.)	AREA (FT.2)	QTY.	TOTAL AREA (FT. ²)	DESCRIPTION
	GO22-1	21 X 15	2.19	4	8.76	WET PAINT (ARROW PIVOTS)
					8.76	CONSTRUCTION SIGNS SUBTOTAL
			ITEM NO. 616-10.05	9	USE	
			ITEM NO. 616-10.25	0		CHANNELIZERS (TRIM-LINE)
REFER TO STANDARD PLANS 616.10 AND 903.03 FOR SIGN AND SIGN MOUNTING REQUIREMENTS.						

2.2 Mobilization is as follows:

ITEM NO.	QTY.	DESCRIPTION
618-10.00	LUMP SUM	MOBILIZATION

3.0 Pavement Marking. Pavement marking quantities are as follows:

Job No.: JKUM0122
 Route: Various
 County: Various

PERMANENT PAVEMENT MARKING QUANTITIES 1										
LOG MILE	LOG MILE	ROADWAY	# of Lanes	PAVEMENT MARKING PAINT Class 2, TYPE L BEADS						REMARKS
				6"	6"	6"	12"	12"	6"	
				WHITE (SOLID) LF	WHITE (INTER) LF	YELLOW (SOLID) LF	WHITE (GORE) LF	WHITE (Dot) LF	WHITE (Dot) LF	
0.000	1.055	I-35 NB	3	5235	2785	5570	335			State Line to SW Trfy Theoretical Gore
1.055	1.333	I-35 NB	3+1+1	1468	734	1468		734		SW Trfy Theoretical Gore to W Pennw ay Theoretical Gore
1.333	1.625	I-35 NB	3+1	1383	771	1542	159	385		W Pennw ay Theoretical Gore to Sign Truss
1.625	1.893	I-35 NB	2+1+1	1415	354	1415	400	608		Sign Truss to I-670 Physical Gore
1.893	2.908	I-35 NB	2	5359	1032	5359	406	206		I-670 Physical Gore to Broadw ay Physical Gore
3.040	3.389	I-35 NB/I-70 EB	3	1843	921	1843				I-35/70 Theoretical Gore to Walnut Overpass
3.389	3.829	I-35 NB/I-70 EB	1+1+1	2323		2323		1162		Walnut Overpass to I-35/70 Theoretical Gore
3.829	3.900	I-35 NB	2	193		375	182	94		I-35/70 Theoretical Gore to Independence Theoretical Gore
4.075	7.781	I-29 NB/I-35 NB	3	19568	9784	19568				I-29/35 Theoretical Gore to N/O Mo 210
7.781	8.567	I-29 NB/I-35 NB	2+1	4150	1038	4150	772	845		N/O Mo 210 to I-29/35 Physical Gore
8.567	8.948	I-35 NB	2	1670	503	2012	342			I29/35 Physical Gore to SB 29 to NB 35 Theoretical Gore
8.948	9.605	I-35 NB	2+1	3469	172	3469		695		SB 29 to NB 35 Theoretical Gore to Chouteau Theoretical Gore
9.605	18.351	I-35 NB	2	45228	11545	46179	951			Chouteau Theoretical Gore to Mo 291 Theoretical Gore
96.054	105.960	I-35 SB	2	51935	13076	52304	369			Mo 291 Theoretical Gore to I-29/35 Theoretical Gore
105.960	110.410	I-29 SB/I-35 SB	3	23441	11748	23496	55			I-29/35 Theoretical Gore to I-29/35 Physical Gore
110.410	110.538	I-35 SB	2	676	169	497	179			I-29/35 Physical Gore to I-35/70 Theoretical Gore
110.538	110.630	I-35 SB/I-70 WB	2+1+1	1457	121	486		121		I-35/70 Theoretical Gore to Mo 9 Theoretical Gore, Incl. Double White
110.630	110.958	I-35 SB/ I-70 WB	3	1371	866	1732	361			Mo 9 Theoretical Gore to Grand Overpass
110.958	111.364	I-35 SB/I-70 WB	2+1	2144	536	2144		536		Grand Overpass to I-35/70 Theoretical Gore
111.622	112.448	I-35 SB	2	4361	1090	4361				US 169 Theoretical Gore to WB I-670 Theoretical Gore
112.448	112.597	I-35 SB	4+1	787	590	787		197		WB I-670 Theoretical Gore to 20th Theoretical Gore
112.597	112.784	I-35 SB	4	661	741	987	326			20th Theoretical Gore to 20th
112.784	113.571	I-35 SB	3+1	4155	2078	4155	255	975		20th to SW Trfy Physical Gore
113.571	114.369	I-35 SB	3	4213	2107	4213				SW Trfy Physical Gore to State Line

Job No.: JKUM0122
 Route: Various
 County: Various

PERMANENT PAVEMENT MARKING QUANTITIES 2										
LOG MILE	LOG MILE	ROADWAY	# of Lanes	PAVEMENT MARKING PAINT Class 2, TYPE L BEADS						REMARKS
				6"	6"	6"	12"	12"	6"	
				WHITE (SOLID) LF	WHITE (INTER) LF	YELLOW (SOLID) LF	WHITE (GORE) LF	WHITE (Dot) LF	WHITE (Dot) LF	
0.000	0.615	I-70 EB	4	3247	2435	3247				State Line to SB 35 Theoretical Gore
0.615	0.837	I-70 EB	3	997	586	1172	175			SB 35 Theoretical Gore to Broadway Theoretical Gore
0.837	1.063	I-70 EB	2	685	298	1193	508	298		Broadway Theoretical Gore to SB 29 Theoretical Gore
2.053	2.147	I-70 EB	3	496	248	496				SB 29 Theoretical Gore to 10th
2.147	2.298	I-70 EB	2+1	607	199	797	190	199		10th to 10th Theoretical Gore
2.298	2.400	I-70 EB	2+1+1	539	135	539	132	102		10th Theoretical Gore to I-70/US 71 Theoretical Gore
247.696	247.999	I-70 WB	2+1	1600	400	1600	195	351		I-70/US 71 Theoretical Gore to I-70/29 Physical Gore
248.969	249.572	I-70 WB	2	2666	796	3184	518			I-35/70 Theoretical Gore to NB I-35 Theoretical Gore
249.572	250.027	I-70 WB	3	2402	1201	2402				NB I-35 Theoretical Gore to State Line
0.000	0.620	I-670 EB	3	3274	1637	3274				State Line to Beardsley
0.620	0.783	I-670 EB	2+2	861	430	861		215		Beardsley to SB I-35 Physical Gore
0.783	0.883	I-670 EB	2+1	528	132	528		132		SB I-35 Physical Gore to SB I-35 Overpass
0.883	1.237	I-670 EB	2	1243	467	1869	626			SB I-35 Overpass to NB I-35 Theoretical Gore
1.237	1.348	I-670 EB	4	586	440	586				NB I-35 Theoretical Gore to Main Overpass
1.348	1.477	I-670 EB	3+1	681	341	681			170	Main Overpass to Grand Overpass
1.477	2.054	I-670 EB	3	3047	1523	3047				Grand Overpass to Troost
2.054	2.198	I-670 EB	2+1	760	190	760		190		Troost to Paseo Theoretical Gore
2.198	2.314	I-670 EB	2	401	153	188	635			Paseo Theoretical Gore to I-70/670 Theoretical Gore
0.031	0.190	I-670 WB	2+1	637	210	840	203	210		I-70/670 Theoretical Gore to 13th Theoretical Gore
0.190	0.442	I-670 WB	2	916	333	1093	653			13th Theoretical Gore to NB 71 Theoretical Gore
0.442	0.571	I-670 WB	3	681	341	447	234			NB 71 Theoretical Gore to SB 71 Theoretical Gore
0.571	0.641	I-670 WB	4	370	277	370				SB 71 Theoretical Gore to Oak Overpass
0.641	1.155	I-670 WB	3+1	2714	1357	2714	228	621		Oak Overpass to I-35 Physical Gore
1.155	1.427	I-670 WB	2	1436	359	1436				I-35 Physical Gore to Summit Overpass

Job No.: JKUM0122
 Route: Various
 County: Various

PERMANENT PAVEMENT MARKING QUANTITIES 3										
LOG MILE	LOG MILE	ROADWAY	# of Lanes	PAVEMENT MARKING PAINT Class 2, TYPE L BEADS						REMARKS
				6"	6"	6"	12"	12"	6"	
				WHITE (SOLID) LF	WHITE (INTER) LF	YELLOW (SOLID) LF	WHITE (GORE) LF	WHITE (Dot) LF	WHITE (Dot) LF	
1.427	2.243	I-670 WB	3	4308	2154	4308				Summit Overpass to State Line
0.008	1.501	Mo 9 NB	2+3+1	9248	2131	7883				Admiral to 10th
1.519	3.039	Mo 9 NB	3+1	11859	3284	8026				10th to N Oak Theoretical Gore
3.039	5.723	Mo 9 NB	2+1	14587	3470	14172				N Oak theoretical Gore to S/O I-635
5.723	5.918	Mo 9 NB	1+1+1	1030		1030		515		S/O I-635 to I-635 SB Theoretical Gore
5.918	5.958	Mo 9 NB	1+1	211			211	53		I-635 SB Theoretical Gore to I-635 NB Theoretical Gore
5.958	6.257	Mo 9 NB	1	947		1579	632			I-635 NB Theoretical Gore to I-635 SB Theoretical Gore
6.257	6.345	Mo 9 NB	2	465	116	294	171			I-635 SB Theoretical Gore to I-635 NB Theoretical Gore
6.345	6.565	Mo 9 NB	3+2	2203	474	1162			65	I-635 NB Theoretical Gore to Northw oods
7.707	7.788	Mo 9 SB	2+1	428	137	428		79		Northw ood to Rp Mo 9 SB to I-635 SB Theoretical Gore
7.788	9.925	Mo 9 SB	2	10895	2821	11283	388			I-635 SB Theoretical Gore to S/O Briarcliff
9.925	10.087	Mo 9 SB	1+1	855		855		214		S/O Briarcliff to US 169 SB Theoretical Gore
10.087	10.289	Mo 9 SB	1	322		820	944			US 169 SB Theoretical Gore to US 169 SB Theoretical Gore
10.289	11.057	Mo 9 SB	2+1	4433	1981	4055				US 169 SB Theoretical Gore to N Oak
11.057	13.898	Mo 9 SB	3+1	20394	5590	15000				N Oak to I-70 Theoretical Gore
13.898	14.200	Mo 9 SB	2	1545	773	1595	247			I-70 Theoretical Gore to Admiral
4.681	7.235	I-29 NB	2	13246	3371	13485	239			I-35 Physical Gore to US 169 SB Theoretical Gore
7.235	7.320	I-29 NB	3	449	224		449			US 169 SB Theoretical Gore to US 169 NB Theoretical Gore
7.320	7.628	I-29 NB	4	1626	1220	1626				US 169 NB Theoretical Gore to Rt AA Theoretical Gore
7.628	8.167	I-29 NB	2+2	2551	1423	2846	295	711		Rt AA Theoretical Gore to I-635 Theoretical Gore
8.167	8.525	I-29 NB	2	1890	473	884	1006			I-635 SB Theoretical Gore to I-635 NB Theoretical Gore
8.525	16.606	I-29 NB	3	42668	21334	42668				I-635 Theoretical Gore to 112th Theoretical Gore
16.606	17.471	I-29 NB	2+1	4244	1142	4567	323	1142		112th Theoretical Gore to Rt D Theoretical Gore
17.471	18.765	I-29 NB	2	5732	3416	6832	1100			Rt D Theoretical Gore to I-435 Theoretical Gore

Job No.: JKUM0122
 Route: Various
 County: Various

PERMANENT PAVEMENT MARKING QUANTITIES 4										
LOG MILE	LOG MILE	ROADWAY	# of Lanes	PAVEMENT MARKING PAINT Class 2, TYPE L BEADS						REMARKS
				6"	6"	6"	12"	12"	6"	
				WHITE (SOLID) LF	WHITE (INTER) LF	YELLOW (SOLID) LF	WHITE (GORE) LF	WHITE (Dot) LF	WHITE (Dot) LF	
109.498	111.152	I-29 SB	2	7559	2183	8733	1174			I-435 Theoretical Gore to Rt D Theoretical Gore
111.152	119.184	I-29 SB	3	42409	21204	42409				Rt D Theoretical Gore to S/O Mo 45
119.184	120.324	I-29 SB	2+1	6019	1505	6019		1505		S/O Mo 45 to Gatew ay Theoretical Gore
120.324	123.931	I-29 SB	2	18680	4761	19045	365			Gatew ay Theoretical Gore to S/O Davidson
123.931	124.146	I-29 SB	1	1135		768	367			S/O Davidson to I-35 Theorecdical Gore
0.000	1.050	I-635 NB	2	5185	1386	5544	359			State Line to Horizons Theoretical Gore
1.050	2.871	I-635 NB	3	9615	4807	9615				Horizons Theoretical Gore to N/O Mo 9
2.871	3.360	I-635 NB	2+1	2582	645	2582		645		N/O Mo 9 to I-29 Theoretical Gore
0.000	0.648	US 69 NB	1+1	3421	383	2850	1142	278		Begin State Line, Includes I-635 Gore, Aux Lane Dots
0.204	2.092	I-635 SB	3	9969	4984	9969				I-29 Ramps Theoretical Gore to US 69 Physical Gore
2.092	2.628	I-635 SB	2+1	2830	708	2830		708		US 69 Physical Gore to Horizons Theoretical Gore
2.628	3.693	I-635 SB	2	4965	1406	5623	658			Horizons Theoretical Gore to State Line
121.015	121.588	US 69 SB	2	3025	813	3025	1339			End at State Line, Includes I-635 Gore Lines
198.374	198.606	US 71 NB	4	1225	919	1225				23rd Theoretical Gore to Truman Theoretical Gore
198.606	198.707	US 71 NB	3	166	267	533	367			Truman Theoretical Gore to I-670 WB Theoretical Gore
198.707	198.912	US 71 NB	2	1082	271	571	511			I-670 WB Theoretical Gore to 11th Theoretical Gore
198.912	199.107	US 71 NB	1	419		600	1041			11th Theoretical Gore to I-670 EB Theoretical Gore
199.107	199.217	US 71 NB	2	581	145	281	300			I-670 EB Theoretical Gore to I-70 WB Theoretical Gore
118.287	118.745	US 71 SB	2	1765	605	2305	409			I-70 EB Theoretical Gore to I-670 EB Theoretical Gore
118.745	118.930	US 71 SB	4	977	661	977	288			I-670 EB Theoretical Gore to 23rd Theoretical Gore
0.000	0.328	Mo 152 EB	1+1	1629		1732	220			I-435 SB offramp to I-435 NB Theoretical Gore
0.328	15.055	Mo 152 EB	2	77759	19440	77759				I-435 NB Theoretical Gore to W/O Shoal Creek
15.055	16.222	Mo 152 EB	2+3+1	7814	1540	6162				W/O Shoal Creek to W/O Flintlock
16.222	16.896	Mo 152 EB	2+3+2	6948	1849	3559			44	W/O Flintlock to End State Maintenance

Job No.: JKUM0122
 Route: Various
 County: Various

PERMANENT PAVEMENT MARKING QUANTITIES 5										
LOG MILE	LOG MILE	ROADWAY	# of Lanes	PAVEMENT MARKING PAINT Class 2, TYPE L BEADS						REMARKS
				6"	6"	6"	12"	12"	6"	
				WHITE (SOLID) LF	WHITE (INTER) LF	YELLOW (SOLID) LF	WHITE (GORE) LF	WHITE (Dot) LF	WHITE (Dot) LF	
0.000	0.640	Mo 152 WB	3+3+1	6225	1728	3488			400	Begin State Maintenance to W/O Flintlock
0.640	1.805	Mo 152 WB	2+3+1	7771	3076	6151				W/O Flintlock to W/O Shoal Creek
1.805	16.810	Mo 152 WB	2	79479	19621	79226		186	121	W/O Shoal Creek to I-435 SB Onramp Theoretical Gore
16.810	16.900	Mo 152 WB	1	286		475	189			I-435 I-435 SB onramp Theoretical Gore to I-435 SB offramp
1.141	1.334	US 169 NB	2+1	1092	255	1021	130		34	5th to I-35 NB Theoretical Gore
1.334	1.407	US 169 NB	2+1	387	97	387			97	I-35 NB Theoretical Gore to End Right Lane
1.407	15.787	US 169 NB	2	75481	18982	75926	445			End Right Lane to I-435 WB Theoretical Gore
111.270	125.024	US 169 SB	2	72408	18155	72621	213			I-435 SB Theoretical Gore to N/O Holland
125.024	125.530	US 169 SB	1+1	2672		2672		668		N/O Holland to S/O Mo River
125.530	125.755	US 169 SB	1+3+1	1247	113	1188	467			S/O Mo River to 5th
0.000	0.022	Rp Cambridge to I-35 NB	1	116		116	564		175	Includes I-35 Gore and Accel Lane, Begin at State Line
0.077	0.296	Rp SW Trfy to I-35 NB	1+1+1	722	141	816	623	11		Ends at Theoretical Gore
0.016	0.290	Rp Broad./W Penn. to I-35 NB	1	1445		1006	313			Ends at Theoretical Gore
-0.009	0.111	Rp I-35 NB to W Pennway	1+1	745	56	483	152			Begins at Theoretical Gore
0.038	0.431	Rp I-35 NB to I-670 EB	2	2076	519	1414	180			
0.098	0.364	Rp I-35 NB to I-670 WB	1	1404		1404	570			Includes Rp to 670 EB Gore and 670 WB Gore
0.151	0.215	Rp I-35 NB to Broad./Truman	1+2+1	713	31	338	456	96		Includes Rp to 670 EB Gore and Decel Lane Dots
0.018	0.098	Rp I-35 NB to 14th	1+1+1	626		422	145			Includes I-35 Gore
0.056	0.143	Rp I-35 NB to 12th	1+1	656		459	514	43		Includes I-35 Gore and Aux Lane Dots
0.008	0.122	Rp 12th to I-35 NB	1	602		602	182	162		Includes I-35 Gore and Aux Lane Dots
0.043	0.488	Rp I-35 NB to I-70 WB	1	2352		1910	594			Includes I-35 Gore
0.019	0.433	Rp I-35 NB to US 169 NB	1	2048		2184	695			Includes I-35 Gore
0.028	0.147	Rp I-35 NB to Broadw ay/6th	1+4	895	131	628	137			
2.908	3.040	Rp I-35 NB to I-35NB/I-70 EB	1	697		545	152			

Job No.: JKUM0122
 Route: Various
 County: Various

PERMANENT PAVEMENT MARKING QUANTITIES 6											
LOG MILE	LOG MILE	ROADWAY	# of Lanes	PAVEMENT MARKING PAINT						REMARKS	
				Class 2, TYPE L BEADS							
				6"	6"	6"	12"	12"	6"		
				WHITE (SOLID) LF	WHITE (INTER) LF	YELLOW (SOLID) LF	WHITE (GORE) LF	WHITE (Dot) LF	WHITE (Dot) LF		
0.118	0.228	Rp US 169 SB to I-35 NB	1	477		581	175	52		Includes I-35/70 Gore and Aux Lane Dots	
0.024	0.059	RP I-35 NB to 6th/Delaw are	1	185		185	258			Includes I-35/70 Gore	
0.017	0.073	Rp 6th/Delaw are to I-35 NB	1	296		296	190	89		Includes I-35/70 Gore and Aux Lane Dots	
0.030	0.138	Rp I-35 NB to 6th/Mo 9	1+1	764		828	659			Includes I-35/70 Gore	
1.851	2.053	Rp 35 NB/70 EB to 70 EB/71 SB	1	1067		681	386				
0.000	0.207	Rp I-35 NB to Independence	1	1028		854	239				
3.900	4.075	Rp I-35 NB/70 EB to I-29/35 NB	1	621		521	303				
0.093	0.418	Rp Independence to I-29 NB	1+1	1716	308	1520	396			Includes I-29/35 Gore and Aux Lane Inter	
0.043	0.152	Rp I-29 NB to Front	1+1+1	1078		576	490		65	Includes I-29/35 Gore	
0.018	0.142	Rp Front to I-29 NB	1+1+1	1046	512	696	521			Includes I-29/35 Gore and Aux Lane Inter	
0.079	0.351	Rp I-29 NB to Bedford	1+1	1321	90	1281	1687			Includes I-29/35 Gore and CD road markings	
0.005	0.249	Rp Levee to I-29 NB	1	838	50	534	599			Includes I-29/35 Gore and Accel Lane Inter	
0.116	0.251	Rp I-29 NB to 16th	1	713		713	982			Includes I-29/35 Gore	
0.065	0.300	Rp I-29 to Mo 210	1+2	1607	818	1241	595			Includes I-29/35 Gore and Decel Lane Inter	
-0.017	0.224	Rp Mo 210 EB to I-29 NB	1	1442	236	1104	292			Includes I-29/35 Gore and Accel Lane Inter	
0.005	0.133	Rp Mo 210 WB to I-29 NB	1	676		676	513		200	Includes I-29/35 Gore and Accel Lane Dots	
0.059	0.254	Rp I-29 NB to Parvin	1	1030		1030	248			Includes I-29/35 Gore	
0.003	0.128	Rp Parvin to I-29 NB	1	660		660	182		18	Includes I-29/35 Gore and Accel Lane Dots	
0.056	0.145	Rp I-35 NB to Mo 1	1+2	1192		470	279		44	Includes I-35 Gore and Taper Dots	
0.004	0.101	Rp Mo 1 to I-35 NB	1+1	603		512	385		24	Includes I-35 Gore and Accel Lane Dots	
-0.066	0.182	Rp I-35 NB to Chouteau	1+1	1626		637	255				
0.006	0.113	Rp Chouteau to I-35 NB	1+1	747		565	787		145	Includes I-35 Gore and Accel Lane Dots	
0.063	0.243	Rp I-35 NB to Brighton	1+1	1110		950	784		98	Includes I-35 Gore and Decel Lane Dots	
0.059	0.343	Rp I-35 NB to US 69/Vivion	1	1500		1415	640		75	Includes I-35 Gore and Decel Lane Dots, Ramp Side of US 69 Gore	

Job No.: JKUM0122
 Route: Various
 County: Various

PERMANENT PAVEMENT MARKING QUANTITIES 7											
LOG MILE	LOG MILE	ROADWAY	# of Lanes	PAVEMENT MARKING PAINT						REMARKS	
				Class 2, TYPE L BEADS							
				6"	6"	6"	12"	12"	6"		
				WHITE (SOLID) LF	WHITE (INTER) LF	YELLOW (SOLID) LF	WHITE (GORE) LF	WHITE (Dot) LF	WHITE (Dot) LF		
0.016	0.141	Rp US 69/Vivion to I-35 NB	1+1	838		660	620	2077		Includes I-35 Gore and Aux Lane Dots	
0.064	0.266	Rp I-35 NB to I-435 SB	1	1067		1067	874			Includes I-35 Gore and SB I-35 Ramp Gore	
0.130	0.324	Rp I-35 NB to US 69	1+1	1132	45	1024	430			Includes NB I-35 Ramp Gore	
0.038	0.425	Rp I-35 NB to I-435 NB	1	2042		1793	1056			Includes I-35 Gore, Ends at I-435 Theoretical Gore	
-0.049	0.542	Rp I-435 NB to I-35 NB	1+1	3121		2454	1522	701		Begins at I-435 Theo. Gore, Includes I-35 Gore and Aux Lane Lines	
0.036	0.372	Rp I-35NB to US 69/P Valley	1+4+2	4930	221	1774	1243			Includes I-35 Gore	
0.182	0.743	Rp US 69/P Valley to I-35 NB	1+1	3165		2962	555		132	Includes I-35 Gore and Accel Lane Dots	
-0.022	0.173	Rp I-35 NB to Mo 152	1+4+1	2037	619	1031	514		177	Includes I-35 Gore and Decel Lane Dots	
0.058	0.163	Rp I-35 NB to Mo 291	1+2+1	1633		554	423		92	Includes I-35 Gore and Decel Lane Dots	
0.016	0.442	Rp Mo 291 to I-35 NB	1+1	2251		1041	316		153	Includes Accel Lane Dots and Edge Line	
-0.109	0.252	Rp I-35 SB to Mo 291	1+2	2662		1010	258		110	Includes Decel Lane Dots and Edge Line	
0.017	0.165	Rp Mo 291 to I-35 SB	1+1	781	43	781	713		137	Includes I-35 Gore and Accel Lane Dots	
0.026	0.189	Rp I-35 SB to Mo 152	1+2+1	1433	124	861	641		153	Includes I-35 Gore and Decel Lane Dots	
0.025	0.169	Rp Mo 152 to I-35 SB	1+1+1	890	115	760	758		298	Includes I-35 Gore and Accel Lane Dots	
0.058	0.824	Rp I-35 SB to US 69/P Valley	1+4+1	5626	225	4044	773		84	Includes I-35 Gore and Decel Lane Dots	
0.013	0.233	Rp US 69/P Valley to I-35 SB	1+1+1	1301	168	1162	630	634		Includes I-35 Gore and Aux Lane Dots	
0.044	0.698	Rp I-35 SB to I-435 SB	1+1	3451	155	2990	1289			Includes I-35 Gore	
-0.016	0.662	Rp I-435 SB to I-35 SB	1+1	3582	349	3359	1449			Includes I-35 Gore	
0.245	0.520	Rp I-435 SB to US 69	1	1452		1452	388			Includes I-435 SB Ramp Gore and I-35 SB Ramp Gore	
0.177	0.487	Rp I-435 NB to I-35 SB	1+1	1637	87	1637	868			Includes I-435 NB Ramp Gore and I-435 SB Ramp Gore	
0.002	0.147	Rp US 69 to I-35 SB	1+1+1	914	27	766	169			Includes I-435 NB Ramp Gore	
0.089	0.404	Rp US 69 to I-435 NB	1	1809	114	1661	562			Includes I-35 SB Ramp Gore and I-435 Accel Lane Inter and Lane Line	
0.029	0.084	Rp I-35 SB to US 69/Vivion	1+1	417		290	597	1977		Includes I-35 Gore and Aux Lane Dots	
0.068	0.392	Rp US 69/Vivion to I-35 SB	1+1	1897		1711	638			Includes I-35 Gore	

Job No.: JKUM0122
 Route: Various
 County: Various

PERMANENT PAVEMENT MARKING QUANTITIES 8										
LOG MILE	LOG MILE	ROADWAY	# of Lanes	PAVEMENT MARKING PAINT Class 2, TYPE L BEADS						REMARKS
				6"	6"	6"	12"	12"	6"	
				WHITE (SOLID) LF	WHITE (INTER) LF	YELLOW (SOLID) LF	WHITE (GORE) LF	WHITE (Dot) LF	WHITE (Dot) LF	
0.000	0.099	Rp Winn/Bright. to I-35 SB	1	427		523	776		134	Includes I-35 Gore and Accel Lane Dots
0.071	0.182	Rp I-35 SB to Chouteau	1+1	914		586	565		53	Includes I-35 Gore and Decel Lane Dots
0.006	0.127	Rp Chouteau to I-35 SB	1+1	726		639	663	296		Includes I-35 Gore and Aux Lane Dots
0.067	0.160	Rp I-35 SB to Mo 1	1+1	691		491	953	123		Includes I-35 Gore
0.008	0.133	Rp Mo 1 to I-35 SB	1+1	812		660	561	97		Includes I-35 Gore and Aux Lane Dots
0.046	0.285	Rp I-35 SB to I-29 NB	1	1262		1262	582		76	Includes I-35 and I-29 Gore and Accel Lane Dots
0.034	0.165	Rp I-29/35 SB to Parvin	1	692		692	223		45	Includes I-29/35 Gore and Decel Lane Dots
0.002	0.205	Rp Parvin to I-29/35 SB	1	1072		1072	622		171	Includes I-29/35 Gore and Accel Lane Dots
0.083	0.323	Rp I-29/35 SB to Mo 210	1+2	1923	148	1267	346		45	Includes I-29/35 Gore and Decel Lane Dots
-0.075	0.211	Rp Mo 210 WB to I-29/35 SB	1	1732	614	1156	262			Includes I-29/35 Gore and Accel Lane Inter
-0.028	0.119	Rp Mo 210 EB to I-29/35 SB	1	810	136	556	604			Includes I-29/35 Gore and Accel Lane Inter
0.002	0.096	Rp 16th to I-29/35 SB	1+1	676		496	1200		28	Includes I-29/35 Gore and Accel Lane Dots
0.058	0.344	Rp I-29/35 SB to Levee	1+1	1510	77	1510	1393		50	Includes I-29/35 Gore, Decel Lane Dots, CD Road Markings
0.003	0.266	Rp Bedford to I-29/35 SB	1	616		616	553		69	Includes I-29/35 Gore and Accel Lane Dots
0.054	0.177	Rp I-29/35 SB to Front	1+1+1	1146		553	273		56	Includes I-29/35 Gore and Decel Lane Dots
0.012	0.154	Rp Front to I-29/35 SB	1+1+1	1041	532	750	338		135	Includes I-29/35 Gore and Accel Lane Inter and Dots
0.050	0.235	Rp I-29/35 SB to Independence	1+1	977	83	977	250		45	Includes I-29/35 Gore and Decel Lane Dots
0.006	0.291	Independence WB to I-35 SB	1	1505		1218	745	72		Includes I-35 Gore and Part of Aux Lane Dots
117.733	117.941	Rp I-29/35 SB to I-70 EB/US 71 SB	2	863	275	1098	473			Includes I-35 Gore
-0.019	0.310	Rp 35 SB/70 WB to Indep./Grand	1+1	1783	112	1366	370			Includes CD Inter
0.157	0.243	Rp I-35 SB/I-70 WB to Mo 9 SB	1	454	175	454	320			Includes CD Gore, Mo 9 Gore, Mo 9 Aux Lane Inter
0.027	0.077	Rp I-35 SB/I-70 WB to Delaw are	1	264		264	186	93		Includes I-35/70 Gore and Aux Lane Dots
0.018	0.068	Rp Delaw are to I-35 SB/I-70 WB	1	264		264	130	37		Includes I-35/70 Gore and Aux Lane Dots
0.034	0.080	Rp I-35 SB/I-70 WB to US 169	1	243		243	182			Includes I-35/70 Gore

Job No.: JKUM0122
 Route: Various
 County: Various

PERMANENT PAVEMENT MARKING QUANTITIES 9										
LOG MILE	LOG MILE	ROADWAY	# of Lanes	PAVEMENT MARKING PAINT Class 2, TYPE L BEADS						REMARKS
				6"	6"	6"	12"	12"	6"	
				WHITE (SOLID) LF	WHITE (INTER) LF	YELLOW (SOLID) LF	WHITE (GORE) LF	WHITE (Dot) LF	WHITE (Dot) LF	
111.364	111.622	Rp I-35 SB/I-70 WB to I-35 SB	1	1139		1192	393			
0.041	0.102	Rp Broadway/5th to I-35 SB	1	322		322	247	65		Includes I-35 Gore and Accel Lane Dots
0.041	0.128	Rp I-35 SB to 12th	1	459		459	481			Includes I-35 Gore
0.005	0.077	Rp 12th to I-35 SB	1	380		380	241		110	Includes I-35 Gore and Accel Lane Dots
0.031	0.253	Rp I-35 SB to I-670 EB	1	1172		1172	522		91	Includes 35 Gore, 35NB Ramp Gore, Decel Ln Dots, Accel Ln Dots
0.002	0.197	Rp 14th to I-35 SB	1	1030		1030	158			Includes I-35 Gore
0.050	0.214	Rp I-35 SB to 20th	1	866		866	332			
0.002	0.086	Rp W Pennway to I-35 SB	1+1	499		444	314		34	Includes I-35 Gore and Accel Lane Dots
0.027	0.204	Rp I-35 SB to Broad./W Penn.	1+1	1370		865	270			Includes I-35 Gore
0.032	0.155	Rp I-35 SB to SW Trfy	2	812	162	486	177			Includes I-35 Gore
0.055	0.094	Rp I-35 SB to Cambridge	1	206		206	414		45	Includes I-35 Gore and Decel Lane Dots, End at State Line
0.016	0.267	Rp I-70 EB to I-35 SB	1	1325		1154	436	154		Includes I-70 Gore, I-35 Gore, Aux Lane Dots
0.026	0.087	Rp I-70 EB to Beardsley	1	322		322	117			Includes I-70 Gore
-0.015	0.118	Rp I-70 EB to US 169/Broadway	1	701		452	156			
0.008	0.127	Rp Admiral to I-70 EB	1	628		628	264	44		Includes I-70 Gore and Aux Lane Dots
0.030	0.131	Rp I-70 EB to 11th	1+1	633		533	361			Includes I-70 Gore
0.005	0.107	Rp 10th to I-70 EB	1	540		540	375			
2.399	2.919	Rp I-70 EB/US 71 SB to I-70 EB	1+1	2359	141	2746	159	686		
0.004	0.177	Rp 14th to I-70 EB	1+1	1108	351	913	694			Includes I-70 Gore
247.232	247.696	Rp I-70 WB to I-70 WB/US 71 NB	1+1	2158	301	2198	544			
0.051	0.237	Rp Paseo to I-70 WB	1	982		982	389	141		Includes I-70 Gore and Aux Lane Dots
0.049	0.095	Rp I-70 WB to Troost	1	243		243	200			Includes I-70 Gore
0.006	0.060	Rp 11th to I-70 WB	1	285		285	141			Includes I-70 Gore
0.007	0.110	Rp 10th to I-70 WB	1	544		544	74			Includes 11th Gore

Job No.: JKUM0122
 Route: Various
 County: Various

PERMANENT PAVEMENT MARKING QUANTITIES 10										
LOG MILE	LOG MILE	ROADWAY	# of Lanes	PAVEMENT MARKING PAINT Class 2, TYPE L BEADS						REMARKS
				6"	6"	6"	12"	12"	6"	
				WHITE (SOLID) LF	WHITE (INTER) LF	YELLOW (SOLID) LF	WHITE (GORE) LF	WHITE (Dot) LF	WHITE (Dot) LF	
0.045	0.305	Rp I-70 WB to Independence	1+1	1604		1135	176			Includes I-70 Gore
247.999	248.142	Rp 70 WB/71NB to 35 SB/70 WB	1+1	561	55	755	194			
0.003	0.072	Rp Broadway/5th to I-70 WB	1	364	152	364	337			Includes I-70 Gore
0.007	0.059	Rp Beardsley to I-70 WB	1	275		275	89			Includes Broadway/5th Gore
0.000	0.204	Rp I-670 EB to Wyoming	1+1+1	1260	56	1077				Begin at State Line
0.003	0.294	Rp Wyoming to I-670 EB	1	1536	64	1536	703			Includes I-670 Gore and part of Aux Lane Inter
0.060	0.250	Rp I-670 EB to I-35 SB	1+1	1003	51	1003	679			Includes I-670 Gore and I-35 Gore
0.012	0.108	Rp I-670 EB to Central	1	507		507	307	50		Includes I-670 Gore
0.085	0.144	Rp Broadway to I-670 EB	1			312	941		12	Includes Truman Gore and I-670 Gore
0.058	0.171	Rp Truman/Grand to I-670 EB	1	597		597	225	189		Includes I-670 Gore and Aux Lane Dots
0.082	0.379	Rp I-670 EB to US 71 NB	1	1567		1567	777			Includes I-670 Gore
0.043	0.328	Rp I-670 EB to US 71 SB	1	1296		856	1498			Includes I-670 Gore
0.009	0.144	Rp I-670 EB to Paseo	1	713		505	208			
-0.030	0.175	Rp I-670 WB to 13th	1+2	1267		698	183			
0.043	0.182	Rp I-670 WB to Locust	1+2	907	125	734	375	183		Includes I-670 Gore
0.053	0.092	Rp I-670 WB to Broadway	1	70		206	677			Includes I-670 Gore and Truman Gore
0.091	0.351	Rp I-670 WB to I-35 SB	2	1113	343	1372	82			
0.144	0.329	Rp I-670 WB to I-35 NB	1	1117		977	502			Includes RP to I-35 SB Gore, I-35 NB Gore, and Aux Lane Line
0.011	0.128	Rp Broad./Tru. to I-35 SB	1	618	121	618	252			Includes Rp to I-35 SB Gore and Aux Lane Inter
0.094	0.320	Rp I-670 WB to Wyoming	2	1383	642	1193	606			Includes I-670 Gore and Aux Lane Inter
0.005	0.212	Rp Wyoming to I-670 WB	1+1+1	1298	58	1093				End at State Line
0.007	0.106	Rp Mo 9 NB to Indep./Grand	1	523		523	197			Includes Mo 9 Gore and Rp from I-35/70 Gore
0.188	0.415	Rp I-35 NB/I-70 EB to Mo 9 NB	1	1132	39	1199	838			Includes 6th St Gore and Mo 9 Gore and Accel Lane Inter
0.004	0.123	Rp 3rd to Mo 9 NB	1+1	762	314	628	827	79		Includes Mo 9 Gore

Job No.: JKUM0122
 Route: Various
 County: Various

PERMANENT PAVEMENT MARKING QUANTITIES 11											
LOG MILE	LOG MILE	ROADWAY	# of Lanes	PAVEMENT MARKING PAINT						REMARKS	
				Class 2, TYPE L BEADS							
				6"	6"	6"	12"	12"	6"		
				WHITE (SOLID) LF	WHITE (INTER) LF	YELLOW (SOLID) LF	WHITE (GORE) LF	WHITE (Dot) LF	WHITE (Dot) LF		
0.042	0.217	Rp Mo 9 NB to US 169 NB	1	924		924	1044	325		Includes Mo 9 Gore, US 169 Gore, and Aux Lane Dots	
0.015	0.043	Rp Mo 9 NB to US 169 SB	1	148		148	620	60		Includes Mo 9 NB Gore, Mo 9 SB Gore, and Accel Lane Dots	
0.020	0.195	Rp Mo 9 NB to Briarcliff	1+2	985	160	682	423				
0.071	0.153	Rp Briarcliff to Mo 9 NB	1	433		433	536	147		Includes Mo 9 Gore	
119.702	119.920	Rp US 69 to Mo 9 NB	1+1	1495	576	1134	333	145		Includes Mo 9 Gore and Part of Aux Lane Dots	
120.255	120.530	Rp Mo 9 NB to I-635 SB	1	1234		1452	546	392		Includes I-635 Gore and Aux Lane Dots	
-0.038	0.296	Rp Mo 9 SB to I-635 SB	1	1764		1390	606		122	Includes I-635 Gore and Accel Lane Dots	
0.027	0.201	Rp Mo 9 SB to I-635 NB	1	919		919	589		246	Includes Mo 9 Gore, I-635 Gore and Accel Lane Dots	
1.462	1.603	Rp Mo 9 SB to US 69	1	744		744	528			Includes Mo 9 Gore	
0.046	0.140	Rp Mo 9 SB to Briarcliff	1+1	656		496	587		96	Includes Mo 9 Gore and Decel Lane Dots	
0.072	0.204	Rp Briarcliff to Mo 9 SB	1+1	986		697	420		121	Includes Mo 9 Gore and Accel Lane Dots	
-0.111	0.381	Rp Mo 9 SB to US 169 SB	1	2598		1866	1151		120	Includes US 169 Gore and Accel Lane Dots	
0.069	0.187	Rp Mo 9 SB to 3rd	1+1	739	79	623	780			Includes Mo 9 Gore and Decel Lane Inter	
-0.026	0.262	Rp Mo 9 SB to I-35 SB/I-70 WB	1	1521		1273	481			Includes I-35/70 Gore	
0.141	0.302	Rp Mo 9 SB to I-35 NB/I-70 EB	1	850		850	557		67	Includes 35SB/70WB Gore, I-70 Gore, Accel Lane Dots	
0.034	0.271	Rp I-29 NB to Davidson	1	1251		1251	261			Includes I-29 Gore	
0.005	0.130	Rp Davidson to I-29 NB	1	660		660	415		42	Includes I-29 Gore and Accel Lane Dots	
0.053	0.263	Rp I-29 NB to N Oak NB	1	1109		1109	465			Includes I-29 Gore	
0.000	0.169	Rp N Oak NB to I-29 NB	1	994		790	274		38	Includes I-29 Gore and Accel Lane Dots	
0.056	0.183	Rp I-29 NB to US 69	1+2	1014		671	335			Includes I-29 Gore	
0.000	0.097	Rp US 69 NB to I-29 NB	1	781		143	246		41	Includes I-29 Gore and Accel Lane Dots	
0.000	0.157	Rp US 69 SB to I-29 NB	1	936		511	523	31		Includes I-29 Gore and Aux Lane Dots	
0.057	0.348	Rp I-29 NB to US 169 NB	1	1536		1536	1549	384	438	Includes I-29 Gore, US 169 Gore, and Aux Lane Dots	
-0.006	0.294	Rp I-29 NB to Rte AA	1+1	1663		1584	294		95	Includes I-29 Gore and Decel Lane Dots	

Job No.: JKUM0122
 Route: Various
 County: Various

PERMANENT PAVEMENT MARKING QUANTITIES 12										
LOG MILE	LOG MILE	ROADWAY	# of Lanes	PAVEMENT MARKING PAINT Class 2, TYPE L BEADS						REMARKS
				6"	6"	6"	12"	12"	6"	
				WHITE (SOLID) LF	WHITE (INTER) LF	YELLOW (SOLID) LF	WHITE (GORE) LF	WHITE (Dot) LF	WHITE (Dot) LF	
-0.101	0.269	Rp I-29 NB to I-635 SB	2	1033	976	1953	920			
-0.020	0.406	Rp Gateway to I-29 NB	1	2249		2249	845	271		Begin State Maint. Begins, Incl. I-29 Gore and Aux Lane Dots
0.041	0.084	Rp I-29 NB to 56th	1+1	745		227	337			Includes I-29 Gore
0.053	0.200	Rp I-29 NB to Mo 45	1+2+1	1488	50	776	533		158	Includes I-29 Gore and Decel Lane Dots
0.011	0.128	Rp Mo 45 to I-29 NB	1+1	618	58	618	421		102	Includes I-29 Gore and Accel Lane Dots
0.053	0.229	Rp I-29 NB to 72nd	1+2	1125	232	929	513		91	Includes I-29 Gore and Decel Lane Dots
0.013	0.177	Rp 72nd to I-29 NB	1	866		866	442		199	Includes I-29 Gore and Accel Lane Dots
0.041	1.053	Rp I-29 NB to Mo 152 EB	1+1	5343		5343	826	743	180	Includes I-29 Gore, Mo 152 Gore, Accel Lane Dots
0.668	1.282	Rp I-29 NB to Mo 152 WB	1+1	3242	105	3242	1268	236		Includes 152EB Gore, Loop Diverge Gore, NB Weave, WB Weave
0.014	0.162	Rp I-29 NB to Barry	1+3+1	1537		781	404	432	8	Includes I-29 Gore and Decel Lane Dots
0.020	0.192	Rp Barry to I-29 NB	1+1	908	67	908	462		113	Includes I-29 Gore and Accel Lane Dots
0.054	0.263	Rp I-29 NB to Tiff. Springs EB	1+1+2	2184	366	1104	679			Includes I-29 Gore
0.122	0.246	Rp I-29 NB to Tiff. Springs WB	1+1	1089		655	186			Includes Tiffany Springs EB Gore
0.005	0.173	Rp Tiff. Springs to I-29 NB	1+1	712	27	712	606		124	Includes I-29 Gore to Accel Lane Dots
0.000	0.191	Rp I-29 NB to 112th	1+2+1	2117		692	639			Includes I-29 Gore
0.012	0.148	Rp 112th to I-29 NB	1+1	851		718	408	620		Includes I-29 Gore and Aux Lane Dots
-0.095	0.733	Rp I-29 NB to Rte D WB	2	4372	1093	3648	412			End at taper to Economy Parking
0.102	0.261	Rp I-29 NB to Rte D EB	1+1	1036		840	391			Includes Rt D WB Gore
0.012	0.188	Rp Rte D to I-29 NB	1+1	1019		929	508		102	Includes I-29 Gore and Accel Lane Dots
0.017	0.186	Rp I-29 SB to Rte D	1+1	1013		892	571		105	Includes I-29 Gore and Decel Lane Dots
0.000	0.372	Rp Rte D EB to I-29 SB	2	1963	491	1389	574	738		Includes Aux Lane Dots
0.009	0.106	Rp Rte D WB to I-29 SB	1	512		512	332		33	Includes Rt D EB Gore and Accel Lane Dots
0.079	0.243	Rp I-29 SB to 112th	1+1	989		866	613			Includes I-29 Gore
0.009	0.170	Rp 112th to I-29 SB	1+1	1067		850	437		250	Includes I-29 Gore and Accel Lane Dots

Job No.: JKUM0122
 Route: Various
 County: Various

PERMANENT PAVEMENT MARKING QUANTITIES 13										
LOG MILE	LOG MILE	ROADWAY	# of Lanes	PAVEMENT MARKING PAINT Class 2, TYPE L BEADS						REMARKS
				6"	6"	6"	12"	12"	6"	
				WHITE (SOLID) LF	WHITE (INTER) LF	YELLOW (SOLID) LF	WHITE (GORE) LF	WHITE (Dot) LF	WHITE (Dot) LF	
0.037	0.159	Rp I-29 SB to Tiffany Springs	1+1	929		644	521		139	Includes I-29 Gore and Decel Lane Dots
0.003	0.232	Rp Tiff. Springs to I-29 SB	1+1+1	1579	561	1209	724	1055		Includes I-29 Gore, Aux Lane Dots, Accel Lane Inter
0.026	0.392	Rp I-29 SB to Mo 152 WB	1	1932		1493	862		345	Includes I-29 Gore, Mo 152 Gore, Accel Lane Dots
0.022	0.291	Rp I-29 SB to Mo 152 EB	1	1420		1420	455	179		Includes I-29 Gore, Mo 152 Gore, Aux Lane Dots
0.018	0.330	Rp I-29 SB to Barry	1+3+1	3209		1647	420		24	Includes I-29 Gore
0.019	0.164	Rp Barry to I-29 SB	1+1	766	111	766	324		340	Includes I-29 Gore and Accel Lane Dots
0.049	0.189	Rp I-29 SB to 72nd	1+2+1	1555	90	739	415		120	Includes I-29 Gore and Decel Lane Dots
0.008	0.189	Rp 72nd to I-29 SB	1+1	1733		956	556		159	Includes I-29 Gore and Accel Lane Dots
0.043	0.153	Rp I-29 SB to Mo 45	1+3+1	1463		581	450		125	Includes I-29 Gore and Decel Lane Dots
0.010	0.266	Rp Mo 45 to I-29 SB	1+1	1630		1352	604		133	Includes I-29 Gore and Accel Lane Dots
0.006	0.117	Rp 56th to I-29 SB	1	586		586	415	191		Includes I-29 Gore and Aux Lane Dots
0.032	0.204	Rp I-29 SB to I-635 SB	2	125	273	736	783			Includes I-29 Gore Lines and Accel Lane Inter
-0.026	0.205	Rp I-29 SB to Gateway	1	1220		845	209			End at End of State Maintenance
0.004	0.213	Rp Rte AA to I-29 SB	1	1226		1104	672		72	Includes I-29 Gore and Accel Lane Dots
0.069	0.321	Rp I-29 SB to US 169 SB	1+1	1331	56	1331	1710		65	Includes I-29 Gore Lines, US 169 Gore and Accel Lane Dots
0.023	0.308	Rp I-29 SB to US 169 NB	1	1505		1505	559		290	Includes I-29 Gore, US 169 Gore, and Accel Lane Dots
0.056	0.265	Rp I-29 SB to US 69	1+1	1445		1104	478		221	Includes I-29 Gore and Decel Lane Dots
0.000	0.273	Rp US 69 to I-29 SB	1	1441		1441	519	102		Includes I-29 Gore and Aux Lane Dots
0.050	0.264	Rp I-29 SB to N Oak SB	1	1167		1093	424			Includes I-29 Gore
0.003	0.157	Rp N Oak SB to I-29 SB	1	907		719	291	207		Includes I-29 Gore and Aux Lane Dots
0.038	0.199	Rp I-29 SB to N Oak NB	1	917		783	420			Includes I-29
0.028	0.253	Rp N Oak NB to I-29 SB	1	1258		1118	613	674		Includes I-29 Gore and Aux Lane Dots
0.067	0.817	Rp I-29 SB to I-35 NB	1	3960		3638	217			Includes I-29 Gore
0.113	0.345	Rp I-29 SB to Davison	1	1225		1225	395			Includes I-29 Gore

Job No.: JKUM0122
 Route: Various
 County: Various

PERMANENT PAVEMENT MARKING QUANTITIES 14										
LOG MILE	LOG MILE	ROADWAY	# of Lanes	PAVEMENT MARKING PAINT Class 2, TYPE L BEADS						REMARKS
				6"	6"	6"	12"	12"	6"	
				WHITE (SOLID) LF	WHITE (INTER) LF	YELLOW (SOLID) LF	WHITE (GORE) LF	WHITE (Dot) LF	WHITE (Dot) LF	
0.003	0.099	Rp Davidson to I-29 SB	1	507		507	411		86	Includes I-29 Gore and Accel Lane Dots
0.053	0.278	Rp I-635 NB to Horizons	1+2	2331		1188	787		105	Includes I-635 Gore and Decel Lane Dots
0.020	0.257	Rp Horizons to I-635 NB	1+1	1251	204	881	250			
0.010	0.121	Rp US 69 NB to Argosy	1	586		586	327		33	Includes US 69 Gore and Decel Lane Dots
0.902	1.166	Rp I-635 NB to Mo 9 SB	1	1394		1394	889	264		Includes I-635 Gore, Mo 9 Gore, and Aux Lane Dots
0.044	0.325	Rp I-635 NB to Mo 9 NB	1	1484		1315	563		175	Includes I-635 Gore and Decel Lane Dots
3.360	3.793	Rp I-635 NB to I-29 NB	1	1603		2287	684			
-0.020	0.338	Rp I-635 NB to I-29 SB	2	1141	945	1890	749	2984		Includes I-29 Gore and Both Aux Lane Dots
0.078	0.266	Rp I-635 SB to Mo 9 NB	1	994		671	323		134	Includes I-635 Gore and Decel Lane Dots
0.033	0.203	Rp I-635 SB to Mo 9 SB	1	898		898	589	214	80	Includes I-635 Gore, Mo 9 Gore, Decel Lane Dots, Aux Lane Dots
-0.038	0.264	Rp I-635 SB to Horizons	2+1	2651	797	925	270			
0.021	0.169	Rp Horizons to I-635 SB	1+1	781	380	781	719			Includes I-635 Gore and Accel Lane Inter
0.006	0.216	Rp US 71 NB to Truman	1+1	1384		744	365			
0.007	0.351	Rp US 71 NB to I-670 WB	1	895		1816	921			
-0.044	0.257	Rp US 71 NB to 11th	1+1	1825		959	630			
0.048	0.354	Rp US 71 SB to I-670 WB	1+1	1385	112	1395	883	404		Includes US 71 Gore Lines
0.028	0.214	Rp Truman to US 71 SB	1	982		785	197	246		
0.013	0.214	152 EB Xover Br., NB onramp	2+1+1	1591	83	981	512		342	Includes I-35 Gore and Accel Lane Dots
0.027	0.194	Rp Mo 152 EB to Rte K	1	882		882	504		160	Includes Mo 152 Gore and Decel Lane Dots
0.004	0.255	Rp Rte K to Mo 152 EB	1	1325		1325	644		50	Includes Mo 152 Gore and Accel Lane Dots
0.020	0.254	Rp Mo 152 EB to Amity	1	1236		1236	517		175	Includes Mo 152 Gore and Decel Lane Dots
0.004	0.244	Rp Amity to Mo 152 EB	1	1267		1267	427	765		Includes Mo 152 Gore and Aux Lane Dots
0.034	0.166	Rp Mo 152 EB to Congress	1+1	1024		697	360			Includes Mo 152 Gore
0.019	0.453	Rp Mo 152 EB to I-29 SB	1	2292		2292	736		184	Includes Mo 152 Gore, I-29 Gore, Decel Lane Dots, Accel Lane Dots

Job No.: JKUM0122
 Route: Various
 County: Various

PERMANENT PAVEMENT MARKING QUANTITIES 15											
LOG MILE	LOG MILE	ROADWAY	# of Lanes	PAVEMENT MARKING PAINT						REMARKS	
				Class 2, TYPE L BEADS							
				6"	6"	6"	12"	12"	6"		
				WHITE (SOLID) LF	WHITE (INTER) LF	YELLOW (SOLID) LF	WHITE (GORE) LF	WHITE (Dot) LF	WHITE (Dot) LF		
0.014	0.482	Rp Mo 152 EB to I-29 NB	1	1536		1536	1123		122	Incl. Mo 152, NB CD, I-29 Gores, Accel Ln Dots; Excl. NB CD Weave	
0.013	0.189	Rp Ambassador to Mo 152 EB	1+1	929	76	929	564	619		Includes Mo 152 Gore and Aux Lane Dots	
0.027	0.265	Rp Mo 152 EB to Green Hills	1+2+1	2168		1257	613			Includes Mo 152 Gore	
0.007	0.139	Rp Green Hills to Mo 152 EB	1+1	797		697	410		75	Includes Mo 152 Gore and Accel Lane Dots	
0.026	0.026	Rp Mo 152 EB to Platte Purchase	0				450		100	End at Physical Gore, Includes Mo 152 Gore and Decel Lane Dots	
0.265	0.265	Rp Platte Purch. to Mo 152 EB	0				478	112		Begin at Physical Gore, Includes Mo 152 Gore and Aux Lane Dots	
0.037	0.409	Rp Mo 152 EB to US 169 SB	1	1964		1964	878	406		Includes Mo 152 Gore, US 169 Gore, and Aux Lane Dots	
0.036	0.347	RP Mo 152 EB to US 169 NB	1	1642		1642	618	185		Includes Mo 152 Gore, US 169 Gore, and Aux Lane Dots	
0.038	0.205	Rp Mo 152 EB to N Oak	1+2+1	1945		882	530			Includes Mo 152 Gore	
0.013	0.187	RP N Oak to Mo 152 EB	1+1	1025		919	309		93	Includes Mo 152 Gore and Accel Lane Dots	
0.041	0.295	Rp Mo 152 EB to Maplewood	1	1341		1341	510		111	Includes Mo 152 Gore and Decel Lane Dots	
0.005	0.161	Rp Maplewood to Mo 152 EB	1	824		824	403		95	Includes Mo 152 Gore and Accel Lane Dots	
0.038	0.248	Rp Mo 152 EB to Mo 1	1+1	1384		1109	365		98	Includes Mo 152 Gore and Decel Lane Dots	
0.014	0.241	Rp Mo 1 to Mo 152 EB	1+1	1343		1199	369	735		Includes Mo 152 Gore and Aux Lane Dots	
0.037	0.203	Rp Mo 152 EB to Brighton	1+1	1018	438	876	499			Includes Mo 152 Gore	
0.008	0.182	Rp Brighton to Mo 152 EB	1	919		919	410	186		Includes Mo 152 Gore and Aux Lane Dots	
0.036	0.643	Rp Mo 152 EB to I-435 SB	1	2448		2410	758		67	Includes Mo 152 Gore, Aux Lane Dots, and Aux Lane Edge Line	
-0.060	0.307	Rp I-435 SB to Mo 152 EB	1	1938		1539	818	161		Includes Mo 152 Gore and Mo 152 Aux Lane Dots	
0.045	0.479	Rp Mo 152 EB to I-435 NB	1	2289		1428	629	170		Includes Mo 152 Gore, I-435 Aux Lane Dots and Edge Line	
-0.104	0.486	Rp I-435 NB to Mo 152 EB	1	3114		2317	643		239	Includes Decel Dots and Edge Line, Mo 152 Gore and Accel Dots	
0.034	0.630	Rp Mo 152 WB to I-435 NB	1	3149		3149	778		156	Includes Mo 152 Gore, Decel Dots, and Accel Dots and Edge Line	
0.006	0.329	Rp I-435 NB to Mo 152 WB	1	1705		1540	516	147		Includes Mo 152 Gore and Aux Lane Dots	
0.035	0.424	Rp Mo 152 WB to I-435 SB	1	2054		1445	738	115		Includes Mo 152 Gore, I-435 Aux Lane Dots and Edge Line	
-0.124	0.482	Rp I-435 SB to Mo 152 WB	1	3198		2333	596	233	142	Includes Decel Dots and Edge Line, Mo 152 Gore and Aux Dots	

Job No.: JKUM0122
 Route: Various
 County: Various

PERMANENT PAVEMENT MARKING QUANTITIES 16											
LOG MILE	LOG MILE	ROADWAY	# of Lanes	PAVEMENT MARKING PAINT						REMARKS	
				Class 2, TYPE L BEADS							
				6"	6"	6"	12"	12"	6"		
				WHITE (SOLID) LF	WHITE (INTER) LF	YELLOW (SOLID) LF	WHITE (GORE) LF	WHITE (Dot) LF	WHITE (Dot) LF		
0.050	0.219	Rp Mo 152 WB to Brighton	1+1	976		892	466			Includes Mo 152 Gore	
0.005	0.186	Rp Brighton to Mo 152 WB	1	956		956	385	744		Includes Mo 152 Gore and Aux Lane Dots	
0.060	0.302	Rp Mo 152 WB to Mo 1	1+2	1740		1278	395			Includes Mo 152 Gore	
0.014	0.129	Rp Mo 1 to Mo 152 WB	1+1	710		607	396		113	Includes Mo 152 Gore and Accel Lane Dots	
0.060	0.313	Rp Mo 152 WB to Maplewood	1+1	1469		1336	502		50	Includes Mo 152 Gore and Decel Lane Dots	
0.016	0.137	Rp Maplewood to Mo 152 WB	1	639		639	411		87	Includes Mo 152 Gore and Accel Lane Dots	
0.050	0.215	Rp Mo 152 WB to N Oak	1+2+1	1806		871	302		80	Includes Mo 152 Gore and Decel Lane Dots	
0.001	0.151	Rp N Oak to Mo 152 WB	1+1+1	890	123	792	305	142		Includes Mo 152 Gore and Aux Lane Dots	
0.046	0.402	Rp Mo 152 WB to US 169 NB	1	1880		1880	888	188		Includes Mo 152 Gore, US 169 Gore, and Aux Lane Dots	
0.040	0.370	Rp Mo 152 WB to US 169 SB	1	1742		1742	686	177		Includes Mo 152 Gore, US 169 Gore, and US 169 Aux Lane Dots	
0.065	0.065	Rp Mo 152 WB to Platte Purch.	0				531			End at Physical Gore, Includes Mo 152 Gore	
0.259	0.259	Rp Platte Purch. to Mo 152 WB	0				361		63	Begin at Physical Gore, Includes Mo 152 Gore and Accel Lane Dots	
0.036	0.191	Rp Mo 152 WB to Green Hills	1+2+1	1504		818	371		75	Includes Mo 152 Gore and Decel Lane Dots	
0.011	0.263	Rp Green Hills to Mo 152 WB	1+1	1440	144	1331	630	612		Includes Mo 152 Gore and Aux Lane Dots	
0.027	0.211	Rp Mo 152 WB to Ambassador	1+2	1740		972	400			Includes Mo 152 Gore	
0.025	0.619	Rp Mo 152 WB to I-29 NB	1	3136		3136	1270	867		Includes Mo 152 Gore, I-29 Gore, Decel Lane Dots, Aux Lane Dots	
0.021	0.271	Rp Mo 152 WB to I-29 SB	1	1320		1320	705	308		Includes Mo 152 Gore, I-29 Gore, I-435 Aux Lane Dots	
0.038	0.214	Rp Congress to Mo 152 WB	1	929		929	475	728		Includes Mo 152 Gore and Aux Lane Dots	
0.042	0.236	Rp Mo 152 WB to Amity	1	1024		1024	601			Includes Mo 152 Gore	
0.011	0.205	Rp Amity to Mo 152 WB	1	1024		1024	539		89	Includes Mo 152 Gore and Accel Lane Dots	
0.058	0.336	Rp Mo 152 WB to Rte K	1	1468		1468	473		128	Includes Mo 152 Gore and Decel Lane Dots	
0.003	0.280	Rp Rte K to Mo 152 WB	1	1463		1463	388		83	Includes Mo 152 Gore and Accel Lane Dots	
0.056	0.138	Rp US 169 NB to Richards	1	434		434	713		69	Includes US 169 Gore and Decel Lane Dots	
0.004	0.173	Rp Holland to US 169 NB	1	892		892	198		50	Includes US 169 Gore and Accel Lane Dots	

Job No.: JKUM0122
 Route: Various
 County: Various

PERMANENT PAVEMENT MARKING QUANTITIES 17											
LOG MILE	LOG MILE	ROADWAY	# of Lanes	PAVEMENT MARKING PAINT						REMARKS	
				Class 2, TYPE L BEADS							
				6"	6"	6"	12"	12"	6"		
				WHITE (SOLID) LF	WHITE (INTER) LF	YELLOW (SOLID) LF	WHITE (GORE) LF	WHITE (Dot) LF	WHITE (Dot) LF		
0.034	0.203	Rp US 169 NB to Mo 9 NB	1	892		892	750	165		Includes US 169 Gore and Aux Lane Dots	
0.049	0.243	Rp US 169 NB to Briarcliff	1+2	1410		1024	712			Includes US 169 Gore	
0.015	0.180	Rp Briarcliff to US 169 NB	1+1	947		871	569	321		Includes US 169 Gore and Aux Lane Dots	
0.075	0.304	Rp US 169 NB to US 69	1+1	1290		1209	771			Includes US 169 Gore	
0.048	0.518	Rp US 169 NB to I-29 NB	1	2482		1998	886			Includes US 169 Gore	
0.069	0.195	Rp US 169 NB to Englew ood	1+1+1	935		665	619			Includes US 169 Gore	
0.006	0.109	Rp Englew ood to US 169 NB	1	544		544	583		223	Includes US 169 Gore and Accel Lane Dots	
0.047	0.121	Rp US 169 NB to 68th	1+2	775		391	440		100	Includes US 169 Gore and Decel Lane Dots	
0.008	0.226	Rp 68th to US 169 NB	1	1151		1151	588		297	Includes US 169 Gore and Accel Lane Dots	
0.065	0.219	Rp US 169 NB to Barry	1+4	2362		813	598			Includes US 169 Gore	
0.007	0.129	Rp Barry to US 169 NB	1+1	644	84	644	1203	590		Includes US 169 Gore, Aux Lane Dots, and Mall Ramp Gore	
0.036	0.493	Rp US 169 NB to Mo 152 EB	1	2413		2413	670	129		Includes US 169 Gore, Mo 152 Gore, Aux Lane Dots	
0.030	0.283	Rp US 169 NB to Mo 152 WB	1	1336		1336	757	207		Includes US 169 Gore, Mo 152 Gore, Mo 152 Aux Lane Dots	
0.031	0.203	Rp US 169 NB to Tiffany Springs	1+1	1068		908	421	227		Includes US 169 Gore	
0.024	0.205	Rp Tiff. Springs to US 169 NB	1	956		956	419		174	Includes US 169 Gore and Accel Lane Dots	
0.034	0.191	Rp US 169 NB to 108th	1+1	1051		829	480			Includes US 169 Gore	
0.027	0.194	Rp 108th to US 169 NB	1	882		882	419	323		Includes US 169 Gore and Aux Lane Dots	
0.065	0.330	US 169 NB CD Cook. thru I-435	1+1	1399		1399	1299	343	194	Includes US 169 Exit Gore	
0.261	0.538	Rp US 169 NB to Cunningham	1+1	1536		1463	441			Includes CD Gore	
0.003	0.214	Rp Cunningham to US 169 NB	1+1	1217		1114	343			Includes CD Gore	
0.648	1.275	Rp US 169 NB to I-435 EB	1	3312		2490	668		43	Includes CD Gore, Accel Lane Dots and Edge Line	
-0.019	0.283	Rp I-435 EB to US 169 NB	1	1594		1381	578			Includes CD Gore	
0.999	1.379	Rp US 169 NB to I-435 WB	1	2007		1200	565	156		Includes CD Gore, I-435 Aux Lane Dots and Edge Line	
-0.117	0.395	Rp I-435 WB to US 169 NB	1	2703		1878	702		114	Includes CD Gore, Decel Lane Dots and Edge Line	

Job No.: JKUM0122
 Route: Various
 County: Various

PERMANENT PAVEMENT MARKING QUANTITIES 18										
LOG MILE	LOG MILE	ROADWAY	# of Lanes	PAVEMENT MARKING PAINT Class 2, TYPE L BEADS						REMARKS
				6"	6"	6"	12"	12"	6"	
				WHITE (SOLID) LF	WHITE (INTER) LF	YELLOW (SOLID) LF	WHITE (GORE) LF	WHITE (Dot) LF	WHITE (Dot) LF	
-0.003	0.511	Rp US 169 SB to I-435 WB	1	2712		2238	293			
-0.012	0.287	Rp I-435 WB to US 169 SB	1	1579		1579	554	115		Includes US 169 Gore and Aux Lane Dots
0.031	0.396	Rp US 169 SB to I-435 EB	1	1927		1204	496	141		Includes US 169 Gore, I-435 Aux Lane Dots and Edge Line
-0.010	0.383	Rp I-435 EB to US 169 SB	1	2075		2075	662	256		Includes US 169 Gore and Aux Lane Dots
0.039	0.279	Rp US 169 SB to Cookingham	1	1267		1267	327			Includes US 169 Gore
0.001	0.318	Rp Cookingham to US 169 SB	1	1674		1674	455	606		Includes US 169 Gore and Aux Lane Dots
0.047	0.194	Rp US 169 SB to 108th	1+1	915		776	493			Includes US 169 Gore
0.027	0.179	Rp 108th to US 169 SB	1	803		803	459		264	Includes US 169 Gore and Accel Lane Dots
0.036	0.230	Rp US 169 SB to Tiffany Springs	1+1	1173		1024	493			Includes US 169 Gore
0.026	0.211	Rp Tiff. Springs to US 169 SB	1	977		977	527	160		Includes US 169 Gore and Aux Lane Dots
0.041	0.505	Rp US 169 SB to Mo 152 WB	1	2450		2450	927	271		Includes US 169 Gore, Mo 152 Gore, and Aux Lane Dots
0.027	0.292	Rp US 169 SB to Mo 152 EB	1	1399		1399	711	205		Includes US 169 Gore, Mo 152 Gore, Mo 152 Aux Lane Dots
0.045	0.316	Rp US 169 SB to Barry	1+1	1737		1431	476			Includes US 169 Gore
0.008	0.330	Rp Barry WB to US 169 SB	1	1789		1611	2219		54	Includes US 169 Gore and Accel Lane Dots
0.024	0.214	Rp Barry EB to US 169 SB	1	1123		883	524		79	Includes WB Barry Ramp Gore and Accel Lane Dots
0.063	0.211	Rp US 169 SB to 68th	1+1	839	113	781	584		106	Includes US 169 Gore and Decel Lane Dots
0.007	0.075	Rp 68th to US 169 SB	1+1	359	53	359	482		300	Includes US 169 Gore and Accel Lane Dots
0.072	0.184	Rp US 169 SB to Englewood	1+1	877		591	430			Includes US 169 Gore
0.005	0.156	Rp Englewood to US 169 SB	1	922		797	544	561		Includes US 169 Gore and Aux Lane Dots
0.036	0.230	Rp US 169 SB to I-29 NB	1	1024		781	656			Includes US 169 Gore
0.050	0.231	Rp US 169 SB to I-29 SB	1	956		956	414		291	Includes US 169 Gore, I-29 Gore and Accel Lane Dots
0.010	0.308	Rp US 69 to US 169 SB	1+1	1680		1573	756	333		Includes US 169 Gore and Aux Lane Dots
0.069	0.277	Rp US 169 SB to Briarcliff	1+1	1395		1098	767			Includes US 169 Gore
0.013	0.199	Rp Briarcliff to US 169 SB	1+1	1142		982	509	396		Includes US 169 Gore and Aux Lane Dots

Job No.: JKUM0122
 Route: Various
 County: Various

PERMANENT PAVEMENT MARKING QUANTITIES 19										
LOG MILE	LOG MILE	ROADWAY	# of Lanes	PAVEMENT MARKING PAINT Class 2, TYPE L BEADS						REMARKS
				6"	6"	6"	12"	12"	6"	
				WHITE (SOLID) LF	WHITE (INTER) LF	YELLOW (SOLID) LF	WHITE (GORE) LF	WHITE (Dot) LF	WHITE (Dot) LF	
0.044	0.289	Rp US 169 SB to Mo 9 SB	1	1084		1293	688			Includes US 169 Gore
0.033	0.192	Rp US 169 SB to Holland	1	840		840	358		58	Includes US 169 Gore and Decel Lane Dots
0.063	0.094	Rp Holland to US 169 SB	1	164		164	258		114	Incl. NB Ramp Gore, 169 Gore, and Accel Lane Dots
0.009	0.016	Rp US 169 SB to Richards	1	37			252		80	Includes US 169 Gore and Decel Lane Dots
0.005	0.012	Rp Richards to US 169 SB	1	37			141		25	Includes US 169 Gore and Accel Lane Dots
-0.057	0.321	Rp US 169 SB to I-35 SB	1	1996		2243	431			
Sub Totals				1263317	284514	1181811	202434	47870	15439	

Pay Quantities

6" White	1563269
6" Yellow	1181811
12" White	250304

Notes

1	# of Lanes denotes number of mainline lanes. Additional numbers denotes lanes with a different marking than the mainline lanes, turn lanes that do not extend the full length of the segment, and/or island separated lanes
2	Theoretical Gore is the start point of the 12" gore line for exit ramps and end point of entrance ramps. Physical Gore is the end point of the 12" gore line for exit ramps and start point for entrance ramps
3	Gore lines, auxiliary lane lines, acceleration lane lines, and deceleration lane lines are generally measured with their associated ramp. The exception is for mainline sections that begin/end at the theoretical gore point. In this case these lines are measured within their segments.

G. Supplemental Revisions JSP-18-01KK

- Compliance with [2 CFR 200.216 – Prohibition on Certain Telecommunications and Video Surveillance Services or Equipment.](#)

The Missouri Highways and Transportation Commission shall not enter into a contract (or extend or renew a contract) using federal funds to procure or obtain equipment, services, or systems that uses covered telecommunications equipment or services as substantial or as critical technology as part of any system where the video surveillance and telecommunications equipment was produced by Huawei Technologies Company, ZTE Corporation, Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities).

- Stormwater Compliance Requirements

1.0 Description. This provision requires the contractor to provide a Water Pollution Control Manager (WPCM) for any project that includes land disturbance on the project site and the total area of land disturbance, both on the project site, and all Off-site support areas, is one (1) acre or more. Regardless of the area of Off-site disturbance, if no land disturbance occurs on the project site, these provisions do

not apply. When a WPCM is required, all sections within this provision shall be applicable, including assessment of specified Liquidated Damages for failure to correct Stormwater Deficiencies, as specified herein. This provision is in addition to any other stormwater, environmental, and land disturbance requirements specified elsewhere in the contract.

1.1 Definitions. The project site is defined as all areas designated on the plans, including temporary and permanent easements. The project site is equivalent to the “permitted site”, as defined in MoDOT’s State Operating Permit. An Off-site area is defined as any location off the project site the contractor utilizes for a dedicated project support function, such as, but not limited to, staging area, plant site, borrow area, or waste area.

1.2 Reporting of Off-Site Land Disturbance. If the project includes any planned land disturbance on the project site, prior to the start of work, the contractor shall submit a written report to the engineer that discloses all Off-site support areas where land disturbance is planned, the total acreage of anticipated land disturbance on those sites, and the land disturbance permit number(s). Upon request by the engineer, the contractor shall submit a copy of its land disturbance permit(s) for Off-site locations. Based on the total acreage of land disturbance, both on and Off-site, the engineer shall determine if these Stormwater Compliance Requirements shall apply. The Contractor shall immediately report any changes to the planned area of Off-site land disturbance. The Contractor is responsible for obtaining its own separate land disturbance permit for Off-site areas.

2.0 Water Pollution Control Manager (WPCM). The Contractor shall designate a competent person to serve as the Water Pollution Control Manager (WPCM) for projects meeting the description in Section 1.0. The Contractor shall ensure the WPCM completes all duties listed in Section 2.1.

2.1 Duties of the WPCM:

- (a) Be familiar with the stormwater requirements including the current MoDOT State Operating Permit for construction stormwater discharges/land disturbance activities; MoDOT’s statewide Stormwater Pollution Prevention Plan (SWPPP); the Corps of Engineers Section 404 Permit, when applicable; the project specific SWPPP, the Project’s Erosion & Sediment Control Plan; all applicable special provisions, specifications, and standard drawings; and this provision;
- (b) Successfully complete the MoDOT Stormwater Training Course within the last 4 years. The MoDOT Stormwater Training is a free online course available at MoDOT.org;
- (c) Attend the Pre-Activity Meeting for Grading and Land Disturbance and all subsequent Weekly Meetings in which grading activities are discussed;
- (d) Oversee and ensure all work is performed in accordance with the Project-specific SWPPP and all updates thereto, or as designated by the engineer;
- (e) Review the project site for compliance with the Project SWPPP, as needed, from the start of any grading operations until final stabilization is achieved, and take necessary actions to correct any known deficiencies to prevent pollution of the waters of the state or adjacent property owners prior to the engineer’s weekly inspections;
- (f) Review and acknowledge receipt of each MoDOT Inspection Report (Land Disturbance Inspection Record) for the Project within forty eight (48) hours of receiving the report and ensure that all Stormwater Deficiencies noted on the report are corrected as soon as possible, but no later than stated in Section 5.0.

3.0 Pre-Activity Meeting for Grading/Land Disturbance and Required Hold Point. A Pre-Activity meeting for grading/land disturbance shall be held prior to the start of any land disturbance operations. No land disturbance operations shall commence prior to the Pre-Activity meeting except work necessary to install perimeter controls and entrances. Discussion items at the pre-activity meeting shall include a review of the Project SWPPP, the planned order of grading operations, proposed areas of initial disturbance, identification of all necessary BMPs that shall be installed prior to commencement of grading operations, and any issues relating to compliance with the Stormwater requirements that could arise in the course of construction activity at the project.

3.1 Hold Point. Following the pre-activity meeting for grading/land disturbance and subsequent installation of the initial BMPs identified at the pre-activity meeting, a Hold Point shall occur prior to the start of any land disturbance operations to allow the engineer and WPCM the time needed to perform an on-site review of the installation of the BMPs to ensure compliance with the SWPPP is met. Land disturbance operations shall not begin until authorization is given by the engineer.

4.0 Inspection Reports. Weekly and post run-off inspections will be performed by the engineer and each Inspection Report (Land Disturbance Inspection Record) will be entered into a web-based Stormwater Compliance database. The WPCM will be granted access to this database and shall promptly review all reports, including any noted deficiencies, and shall acknowledge receipt of the report as required in Section 2.1 (f.).

5.0 Stormwater Deficiency Corrections. All stormwater deficiencies identified in the Inspection Report shall be corrected by the contractor within 7 days of the inspection date or any extended period granted by the engineer when weather or field conditions prohibit the corrective work. If the contractor does not initiate corrective measures within 5 calendar days of the inspection date or any extended period granted by the engineer, all work shall cease on the project except for work to correct these deficiencies, unless otherwise allowed by the engineer. All impact costs related to this halting of work, including, but not limited to stand-by time for equipment, shall be borne by the Contractor. Work shall not resume until the engineer approves the corrective work.

5.1 Liquidated Damages. If the Contractor fails to complete the correction of all Stormwater Deficiencies listed on the MoDOT Inspection Report within the specified time limit, the Commission will be damaged in various ways, including but not limited to, potential liability, required mitigation, environmental clean-up, fines, and penalties. These damages are not reasonably capable of being computed or quantified. Therefore, the contractor will be charged with liquidated damages specified in the amount of \$2,000 per day for failure to correct one or more of the Stormwater Deficiencies listed on the Inspection Report within the specified time limit. In addition to the stipulated damages, the stoppage of work shall remain in effect until all corrections are complete.

6.0 Basis of Payment. No direct payment will be made for compliance with this provision.

- ***Delete Sec 106.9 in its entirety and substitute the following:***

106.9 Buy America Requirements.

Buy America Requirements are waived if the total amount of Federal financial assistance applied to the project, through awards or subawards, is below \$500,000.

106.9.1 Buy America Requirements for Iron or Steel Products.

The contractor's attention is directed to Title 23 CFR 635.410 *Buy America Requirements*. Where articles, materials or supplies that consist wholly or predominantly of iron or steel or a combination of

both are to be permanently incorporated into the contract work, steel and iron material shall be manufactured, from the initial melting stage through the application of coatings, in the USA except for "minimal use" as described herein. Predominantly of iron or steel or a combination of both means that the cost of the iron and steel content exceeds 50 percent of the total cost of all its components. Under a general waiver from FHWA the use of pig iron and processed, pelletized, and reduced iron ore manufactured outside of the USA will be permitted in the domestic manufacturing process for steel or iron material.

106.9.1.1 Any sources other than the USA as defined will be considered foreign. The required domestic manufacturing process shall include formation of ingots and any subsequent process. Coatings shall include any surface finish that protects or adds value to the product.

106.9.1.2 "Minimal use" of foreign steel, iron or coating processes will be permitted, provided the cost of such products does not exceed 1/10 of one percent (0.1 percent) of the total contract cost or \$2,500.00, whichever is greater. If foreign steel, iron, or coating processes are used, invoices to document the cost of the foreign portion, as delivered to the project, shall be provided and the engineer's written approval obtained prior to placing the material in any work.

106.9.1.3 Buy America requirements include a step certification for all fabrication processes of all steel or iron materials that are accepted per Sec 1000. The AASHTO Product Evaluation and Audit Solutions compliance program verifies that all steel and iron products fabrication processes conform to 23 CFR 635.410 Buy America Requirements and is an acceptable standard per 23 CFR 635.410(d). AASHTO Product Evaluation and Audit Solutions compliant suppliers will not be required to submit step certification documentation with the shipment for some selected steel and iron materials. The AASHTO Product Evaluation and Audit Solutions compliant supplier shall maintain the step certification documentation on file and shall provide this documentation to the engineer upon request.

106.9.1.3.1 Items designated as Category 1 will consist of steel girders, piling, and reinforcing steel installed on site. Category 1 items require supporting documentation prior to incorporation into the project showing all steps of manufacturing, including coating, as being completed in the United States and in accordance with CFR Title 23 Section 635.410 Buy America Requirements. This includes the Mill Test Report from the original producing steel mill and certifications documenting the manufacturing process for all subsequent fabrication, including coatings. The certification shall include language that certifies all steel and iron materials permanently incorporated in this project was procured and processed domestically and all manufacturing processes, including coating, as being completed in the United States and in accordance with CFR Title 23 Section 635.410.

106.9.1.3.2 Items designated as Category 2 will include all other steel or iron products not in Category 1 and permanently incorporated in the project. Category 2 items shall consist of, but not be limited to items such as fencing, guardrail, signing, lighting and signal supports. The prime contractor is required to submit a material of origin form certification prior to incorporation into the project from the fabricator for each item that the product is domestic. The Certificate of Materials Origin form ([link to certificate form](#)) from the fabricator must show all steps of manufacturing, including coating, as being completed in the United States and in accordance with CFR Title 23 Section 635.410 Buy America Requirements and be signed by a fabricator representative. The engineer reserves the right to request additional information and documentation to verify that all Buy America requirements have been satisfied. These documents shall be submitted upon request by the engineer and retained for a period of 3 years after the last reimbursement of the material.

106.9.1.3.3 Any minor miscellaneous steel or iron items that are not included in the materials specifications shall be certified by the prime contractor as being procured domestically. Examples of

these items would be bolts for sign posts, anchorage inserts, etc. The certification shall read "I certify that all steel and iron materials permanently incorporated in this project during all manufacturing processes, including coating, as being completed in the United States and in accordance with CFR Title 23 Section 635.410 Buy America Requirements procured and processed domestically in accordance with CFR Title 23 Section 635.410 Buy America Requirements. Any foreign steel used was submitted and accepted under minor usage". The certification shall be signed by an authorized representative of the prime contractor.

106.9.1.4 When permitted in the contract, alternate bids may be submitted for foreign steel and iron products. The award of the contract when alternate bids are permitted will be based on the lowest total bid of the contract based on furnishing domestic steel or iron products or 125 percent of the lowest total bid based on furnishing foreign steel or iron products. If foreign steel or iron products are awarded in the contract, domestic steel or iron products may be used; however, payment will be at the contract unit price for foreign steel or iron products.

106.9.2 Buy America Requirements for Construction Materials other than iron or steel products. Construction materials mean articles, materials, or supplies that consist of only one of the items listed. Minor additions of articles, materials, supplies, or binding agents to a construction material do not change the categorization of the construction material. Upon request by the engineer, the contractor shall submit a domestic certification for all construction materials listed that are incorporated into the project.

- (a) Non-ferrous metals
- (b) Plastic and Polymer-based products (including polyvinylchloride, composite building materials, and polymers used in fiber optic cables)
- (c) Glass (including optic glass)
- (d) Fiber optic cable (including drop cable)
- (e) Optical fiber
- (f) Lumber
- (g) Engineered wood
- (h) Drywall

106.9.3 Buy America Requirements for Manufactured Products.

Manufactured products mean articles, materials or supplies that have been processed into a specific form and shape, or combined with other articles, materials or supplies to create a product with different properties than the individual articles, materials or supplies. If an item is classified as an iron or steel product, an excluded material, or other product category as specified by law or in 2 CFR part 184, then it is not a manufactured product. However, an article, material or supply classified as a manufactured product may include components that are iron or steel products, excluded materials, or other product categories as specified by law or in 2 CFR part 184. Mixtures of excluded materials delivered to a work site without final form for incorporation into a project are not a manufactured product.

106.9.3.1 Produced in the United States, in the case of manufactured products, means:

- (A) For projects obligated on or after October 1, 2025, the product was manufactured in the United States; and
- (B) For projects obligated on or after October 1, 2026, the product was manufactured in the United States and the cost of the components of the manufactured product that are mined, produced, or manufactured in the United States is greater than 55 percent of the total cost of all components of the manufactured product.

106.9.3.2 (i) With respect to precast concrete products that are classified as manufactured products, components of precast concrete products that consist wholly or predominantly of iron or steel or a combination of both shall meet the requirements of paragraph (b) of this section. The cost of such components shall be included in the applicable calculation for purposes of determining whether the precast concrete product is produced in the United States.

(ii) With respect to intelligent transportation systems and other electronic hardware systems that are installed in the highway right of way or other real property and classified as manufactured products, the cabinets or other enclosures of such systems that consist wholly or predominantly of iron or steel or a combination of both shall meet the requirements of paragraph (b) of this section. The cost of cabinets or other enclosures shall be included in the applicable calculation for purposes of determining whether systems referred to in the preceding sentence are produced in the United States.

106.9.4 Waiver for De Minimis Costs for Manufactured and Construction Materials other than iron or steel products.

“The total value of the non-compliant products is no more than the lesser of \$1,000,000 or 5% of total applicable costs for the project.” The contractor shall submit to the engineer any non-domestic materials and their total material cost to the engineer. The contractor and the engineer will both track these totals to assure that the minimal usage allowance is not exceeded.

- **Third-Party Test Waiver for Concrete Aggregate**

1.0 Description. Third party tests may be allowed for determining the durability factor for concrete pavement and concrete masonry aggregate.

2.0 Material. All aggregate for concrete shall be in accordance with Sec 1005.

2.1 MoDOT personnel shall be present at the time of sampling at the quarry. The aggregate sample shall be placed in an approved tamper-evident container (provided by the quarry) for shipment to the third-party testing facility.

2.2 AASHTO T 161 Method B Resistance of Concrete to Rapid Freezing and Thawing, shall be used to determine the aggregate durability factor. All concrete beams for testing shall be 3-inch wide by 4-inch deep by 16-inch long or 3.5-inch wide by 4.5-inch deep by 16-inch long. All beams for testing shall receive a 35-day wet cure fully immersed in saturated lime water prior to initiating the testing process.

2.3 Concrete test beams shall be made using a MoDOT approved concrete pavement mix design.

3.0 Testing Facility Requirements. All third-party test facilities shall meet the requirements outlined in this provision.

3.1 The testing facility shall be AASHTO accredited.

3.1.1 For tests ran after January 1, 2025, accreditation documentation shall be on file with the Construction and Materials Division prior to any tests being performed.

3.1.2 Construction and Materials Division may consider tests completed prior to January 1, 2025, to be acceptable if all sections of this provision are met, with the exception of 3.1.1. Accreditation documentation shall be provided with the test results for tests completed prior to January 1, 2025. No tests completed prior to September 1, 2024, will be accepted.

Job No.: JKUM0122
Route: Various
County: Various

3.2 The testing facility shall provide their testing process, list of equipment, equipment calibration documentation, and testing certifications or qualifications of technicians performing the AASHTO T 161 Procedure B tests. The testing facility shall provide details on their freezing and thawing apparatus including the time and temperature profile of their freeze-thaw chamber. The profile shall include the temperature set points throughout the entirety of the freeze-thaw cycle. The profile shall show the cycle time at which the apparatus drains/fills with water and the cycle time at which the apparatus begins cooling the specimens.

3.3 Results, no more than five years old, from the third-party test facility shall compare within ± 2.0 percent of an independent test from another AASHTO accredited test facility or with MoDOT test records, in order to be approved for use (e.g. test facility results in a durability factor of 79, MoDOT's recent durability test factor is 81; this compared within ± 2 percent). The independent testing facility shall be in accordance with this provision. The comparison test can be from a different sample of the same ledge combination.

3.4 When there is a dispute between the third party durability test results and MoDOT durability test results, the MoDOT durability test result shall govern.

3.5 Test results shall be submitted to MoDOT's Construction and Materials division electronically for final approval. Test results shall include raw data for all measurements of relative dynamic modulus of elasticity and percent length change for each individual concrete specimen. Raw data shall include initial measurements made at zero cycles and every subsequent measurement of concrete specimens. Raw data shall include the cycle count and date each measurement was taken. Test results shall also include properties of the concrete mixture as required by AASHTO T 161. This shall include the gradation of the coarse aggregate sample. If AASHTO T 152 is used to measure fresh air content, then the aggregate correction factor for the mix determined in accordance with AASHTO T 152 shall also be included.

4.0 Method of Measurement. There is no method of measurement for this provision. The testing requirements and number of specimens shall be in accordance with AASHTO T 161 Procedure B.

5.0 Basis of Payment. No direct payment will be made to the contractor or quarry to recover the cost of aggregate samples, sample shipments, testing equipment, labor to prepare samples or test samples, or developing the durability report.

- ***Delete paragraph 15.0 of the General Provision Disadvantaged Business Enterprise (DBE) Program Requirements and substitute the following:***

15.0 Bidder's List Quote Summary. MoDOT is a recipient of federal funds and is required by 49 CFR 26.11 to provide data about its DBE program. All bidders who seek to work on federally assisted contracts must submit data about all DBE and non-DBEs in accordance with Sec 102.7.9. MoDOT will not compare the submitted Bidder's List Quote Summary to any other documents or submittals, pre or post award. All information will be used by MoDOT in accordance with 49 CFR 26.11 for reporting to USDOT and to aid in overall DBE goal setting.

- ***Add Sec 102.7.9 to include the following:***

102.7.9 Bidder's List Quote Summary. Each bidder shall submit with each bid a summary of all subcontractors, material suppliers, and service providers (e.g. hauling) considered on federally funded projects pursuant to 49 CFR 26.11. The bidder will provide the firm's name, the corresponding North American Industry Classification System (NAICS) code(s) the firm(s) were considered for, and whether or not they were used in the bid. The information submitted should be

Job No.:	JKUM0122
Route:	Various
County:	Various

the most complete information available at the time of bid. The information shall be disclosed on the Bidder's List Quote Summary form provided in the bidding documents and submitted in accordance with Sec 102.10. Failure to disclose this information may result in a bid being declared irregular.

H. Early Notice to Proceed

1.0 Description. The contractor will be given a notice to proceed date of March 9, 2026. All contracts shall be executed and returned to the Commission by or before the end of the day on the business day prior, in order to commence work on the Notice to Proceed date.

2.0 Upon award, the contract will be distributed electronically by the Commission for execution through DocuSign®.

3.0 As part of the contract execution process, the contractor shall complete and deliver the listed original documents/forms immediately following award of the contract. These documents will be provided through BidX correspondence immediately following Commission award. A checklist with instructions on how to complete these documents will be provided with said award correspondence. In order to expedite contract execution, contractors are encouraged to follow the instructions on the checklist. Inquiries related to completing the listed documents may be directed to Rodney Braman (573-751-9253, Rodney.Braman@modot.mo.gov).

Contract Bond Form (with associated Power of Attorney form)
Contractor Acknowledgement Form
Workers Eligibility Verification Affidavit

4.0 The contractor shall deliver the original documents to the address listed below and notify Rodney Braman (Rodney.Braman@modot.mo.gov) at the time the documents are delivered.

5.0 Potential Bidders without a current MoDOT issued DocuSign® access code shall notify Ryan Martin prior to the bid to determine the necessary steps to establish a Contractor specific access code. If another MoDOT District Office location other than the one listed below is more convenient, please contact Ryan Martin.

CENTRAL OFFICE
Ryan Martin
Bidding and Contract Services Engineer
105 West Capitol
Jefferson City, MO 65102-0270
Phone: (573) 526-2923
Email: Ryan.Martin@modot.mo.gov