

A.A.D.T. - 2023 = 6000
A.A.D.T. - 2043 = 8000
D.H.V. = 800
T = 8%
V = 45 M.P.H.
D = 50%
FUNCTIONAL CLASSIFICATION- MINOR ARTERIAL

NO NEW RIGHT OF WAY WILL BE ACQUIRED

	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
GUARD CABLE		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS	- FO -	- FO -
OVERHEAD CABLE TV	- OTV -	- OTV -
UNDERGROUND CABLE TV	- UTV -	- UTV -
OVERHEAD TELEPHONE	- OT -	- OT -
UNDERGROUND TELEPHONE	- UT -	- UT -
OVERHEAD POWER	- OE -	- OE -
UNDERGROUND POWER	- UE -	- UE -
SANITARY SEWER	- S -	- S -
STORM SEWER	- SS -	- SS -
GAS	- G -	- G -
WATER	- W -	- W -
MANHOLE		
FIRE HYDRANT		
WATER VALVE		
WATER METER		
DROP INLET		
DITCH BLOCK		
GROUND MOUNTED SIGN		
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL		
FENCE		
CHAIN LINK		
WOVEN WIRE		
GATE POST		
BENCHMARK		

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

The map shows the state of Missouri with county boundaries and numbers. A circled area labeled 'AA' is located in the central part of the state, within the boundaries of counties 31 and 32. The text 'BLUE SPRINGS' is written in large, bold, capital letters across the center of the map, overlapping the circled area. Major highways are shown as thick lines, with shields indicating their numbers: 40, 70, and 40. The map also shows the location of other major cities like St. Louis, Kansas City, and Springfield.



LOG 22.08 ROUTE 40
EASTBOUND LOG MILES
BEGIN PROJECT

LOG 22.20 ROUTE 40
EASTBOUND LOG MILES
END PROJECT

1/4

40

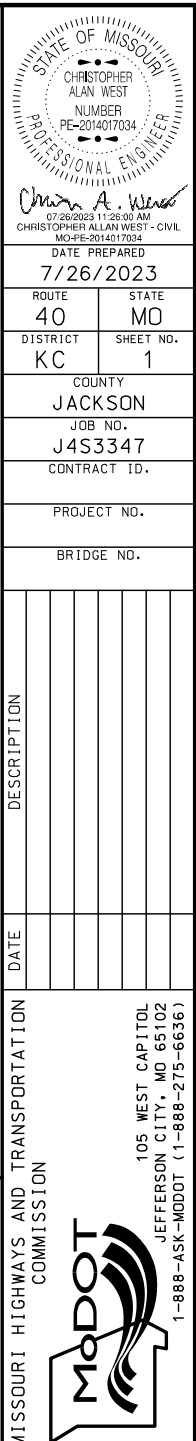
0.12 MILES
PROJECT LIMITS MOORE STREET AT ROUTE 40
INTERSECTION IMPROVEMENTS

THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOWN TO EXIST, AS SHOWN ON THE PLANS, ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABILITY OF THE INFORMATION FOR ANY USE. RELIANCE UPON THIS INFORMATION IS DONE AT THE RISK AND PERIL OF THE USER, AND THE COMMISSION SHALL NOT BE LIABLE FOR ANY DAMAGES THAT MAY ARISE FROM ANY ERROR IN THE INFORMATION. IT IS, THEREFORE, THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE, LOCATION AND STATUS OF ANY FACILITY. SUCH VERIFICATION INCLUDES DIRECT CONTACT WITH THE LISTED UTILITIES.

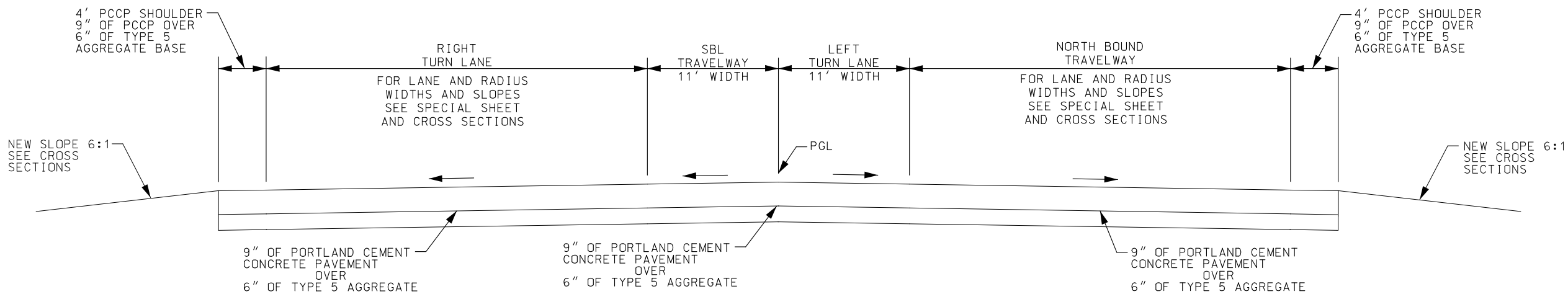
DESCRIPTION	NUMBER
TITLE SHEET -----	1
TYPICAL SECTIONS (TS) (1 SHEETS)---	2
QUANTITIES (QU) (3 SHEETS)-----	3
PLAN-PROFILE (PP)-----	4-5
REFERENCE POINTS (RP)-----	6
COORDINATE POINTS (CP)-----	7
SPECIAL SHEETS (SS)-----	8
TRAFFIC CONTROL SHEETS (TC)-----	9-17
EROSION CONTROL SHEETS (EC)-----	18
SIGNALS (SG)-----	19-24
SIGNING (SN)-----	25
PAVEMENT MARKING (PM)-----	26
CROSS SECTIONS (XS)-----	1-3

BEGINNING OF PROJECT	LOG MILE 22.08
END OF PROJECT	LOG MILE 22.20
APPARENT LENGTH	633.6 FEET
EQUATIONS AND EXCEPTIONS:	

TOTAL CORRECTIONS	0.0	FEET
NET LENGTH OF PROJECT	633.6	FEET
STATE LENGTH	0.12	MILES
FOR INFORMATION ONLY		
ESTIMATED DISTURBED ACRES	0.35	ACRES



IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



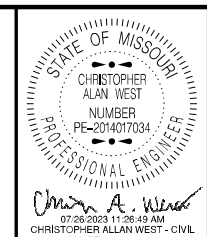
MOORE STREET INTERSECTION
STATION 0+12.33 TO STATION 1+16.77
SEE SPECIAL SHEET AND CROSS SECTIONS FOR WIDTHS AND SLOPES

NOT TO SCALE

NOTES:

- 15 FOOT JOINT SPACING
- 1 1/4" DOWELS
- EXTENDED SLAB

TYPICAL SECTION
SHEET 1 OF 1



DATE PREPARED 7/26/2023	
ROUTE 40	STATE MO
DISTRICT KC	SHEET NO. 2
COUNTY JACKSON	
JOB NO. J4S3347	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

9 INCH PORTLAND CEMENT CONCRETE PAVEMENT (PCCP) AT MOORE STREET INTERSECTION							
STATION	TO	STATION	LOCATION	SQUARE YARDS	9" NON-REINF CONCRETE PAVEMENT SQ. YDS.	6 INCHES TYPE 5 AGGREGATE SQ. YDS.	REMARKS
0+12.33		1+16.77	MOORE STREET INTERSECTION 4-11 FOOT LANES	769.52	769.52	769.52	15 FOOT JOINT SPACING, 1.75" DOWELS, EXTEND SLAB
0+12.33		1+16.77	MOORE STREET INTERSECTION, WEST SIDE SHOULDER	68.12	68.12	68.12	
0+12.33		1+16.77	MOORE STREET INTERSECTION, EAST SIDE SHOULDER	64.32	64.32	64.32	
				TOTAL	901.96	901.96	
				PAY TOTAL	902.0	902.0	

WIDENING OF MOORE STREET INTERSECTION						
STATION	TO	STATION	LOCATION	SUBGRADE COMPACTION 100 FT	LINEAR GRADING CLASS 1 (STA.)	REMARKS
0+12.33		1+16.77	MOORE STREET	1	1.1	4-11 FOOT LANES AND 2-4 FOOT SHOULDERS ON EAST AND WEST SIDES
				TOTAL	1	1.1

MOBILIZATION	
	QUANTITY LUMP SUM
TOTAL	1

COOL SEASON SEEDING			
LOCATION	SEEDING COOL SEASON MIXTURES ACRE	MULCHING ACRE	COMMENTS
MOORE STREET INTERSECTION	0.2	0.2	WEST SIDE OF MOORE STREET
MOORE STREET INTERSECTION	0.2	0.2	EAST SIDE OF MOORE STREET
TOTAL	0.4	0.4	

FLASHING YELLOW TURN SIGNAL			
POST & MAST ARM NUMBER	SIGNAL HEAD NUMBER	LOCATION	** FLASHING YELLOW TURN SIGNAL EACH
1	51	NW QUADRANT	1
2	31	NE QUADRANT	1
3	11	SE QUADRANT	1
4	71	SW QUADRANT	1
TOTAL			4

** FOR INFORMATION ONLY, SEE D-37A FOR QUANTITIES.

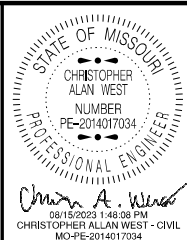
NOTE:

A MMU2 SHALL BE INSTALLED IN THE CONROLLER, TO ALLOW FOR OPERATION OF FLASHING YELLOW TURN SIGNALS. THE MMU2 SHALL BE INCIDENTAL TO THE COST OF THE SIGNAL HEADS.

VIDEO DETECTION SYSTEM		
LOCATION	VIDEO DETECTION SYSTEM EACH	REMARKS
MOORE STREET AT ROUTE 40	1	ALL FOUR APPROACHES AT MOORE STREET & ROUTE 40
TOTAL	1	

CONTRACTOR FURNISHED SURVEYING AND STAKING	
	QUANTITY LUMP SUM
TOTAL	1

QUANTITIES
SHEET 1 OF 3



DATE PREPARED 8/15/2023	
ROUTE 40	STATE MO
DISTRICT KC	SHEET NO. 3
COUNTY JACKSON	
JOB NO. J4S3347	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE								

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

PAVEMENT MARKING							
LOCATION	4" WHITE WATERBORNE PAINT TYPE P BEADS (L.F.)	4" YELLOW WATERBORNE PAINT TYPE P BEADS (L.F.)	8" WHITE WATERBORNE PAINT TYPE P BEADS (L.F.)	PREFORMED THERMOPLASTIC PAVEMENT MARKING LEFT/RIGHT ARROW (EACH)	PREFORMED THERMOPLASTIC PAVEMENT MARKING STRAIGHT ARROW (EACH)	PREFORMED THERMOPLASTIC PAVEMENT MARKING 24" WHITE (L.F.)	COMMENTS
MOORE STREET INTERSECTION	148.9						WEST SIDE OF INTERSECTON, EDGE OF NEW PAVEMENT (EDGE LINE)
MOORE STREET INTERSECTION	151.2						EAST SIDE OF INTERSECTON, EDGE OF NEW PAVEMENT (EDGE LINE)
MOORE STREET INTERSECTION		138.8					DOUBLE YELLOW LANE LINES 69.4 X 2 = 138.8', BETWEEN LEFT TURN LANE AND NBL LANE
MOORE STREET INTERSECTION	85.6						LANE LINE BETWEEN LEFT TURN LANE AND STRAIGHT AHEAD LANE
MOORE STREET INTERSECTION	85.6						LANE LINE BETWEEN RIGHT TURN LANE AND STRAIGHT AHEAD LANE
MOORE STREET INTERSECTION			54.5				PAINTED ISLAND BETWEEN RIGHT TURN LANE AND STRAIGHT AHEAD LANE
MOORE STREET INTERSECTION				1			LEFT TURN LANE (LEFT TURN ARROW)
MOORE STREET INTERSECTION				1			RIGHT TURN LANE (RIGHT TURN ARROW)
MOORE STREET INTERSECTION					1		STRAIGHT AHEAD LANE (STRAIGHT ARROW)
MOORE STREET INTERSECTION						11	LEFT TURN LANE (STOP BAR)
MOORE STREET INTERSECTION						11	STRAIGHT AHEAD LANE (STOP BAR)
SE SOUTH AVE.						11	STOP BAR (RELOCATED)
SE SUNNYSIDE SCHOOL ROAD						11	STOP BAR (REDO EXISTING STOP BAR)
	TOTAL	471.3	138.8	54.5	2	1	44
	PAY TOTAL	472	139	55	2	1	44

	TOTAL	471.3	138.8	54.5	2	1	44
	PAY TOTAL	472	139	55	2	1	44

PAVEMENT MARKING REMOVAL		
LOCATION	REMOVAL (L.F.)	COMMENTS
SE SOUTH AVE.	11	24" STOP BAR
SE SOUTH AVE.	32	4" DOUBLE YELLOW 16' X 2 = 32'
	TOTAL	43

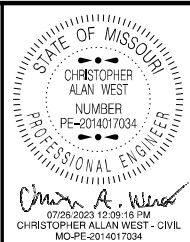
SIGNING					
SIGN NUMBER	LOCATION	R1-2 SH-FLAT ITEM 9035004A 48" X 48" (SQ. FT.)	* 4 INCH PIPE POST ITEM 9031220 LBS	CONCRETE FOOTINGS EMBEDDED ITEM 9031010 (CUBIC YARDS)	REMARKS
1	MOORE STREET	6.93	107.9	0.36	INSTALL YIELD SIGN AFTER NEW RIGHT TURN LANE HAS BEEN ADDED AT MOORE STREET
	TOTAL	6.93	107.9	0.36	
	PAY TOTAL	7.0	110.0	0.4	

* BREAKAWAY ASSEMBLY IS INCIDENTAL FOR STRUCTURAL STEEL AND PIPE POSTS.

RELOCATION OF EXISTING SIGNS			
SIGN NUMBER	QUANTITY EACH	SIGN	REMARKS
2	1	STOP SIGN & DO NOT BLOCK INTERSECTION	RELOCATE STOP SIGN AND DO NOT BLOCK INTERSECTION SIGN AT SOUTH STREET, AFTER WIDENING HAS BEEN COMPLETED
3	1	SE MOORE ST	RELOCATE SOUTH MOORE STREET SIGN ON EXISITING SIGNAL POLE 1 TO NEW SIGNAL POLE 1. AFTER WIDENING HAS BEEN COMPLETED
	TOTAL	2	

REMOVAL OF IMPROVEMENTS			
LOCATION	DESCRIPTION	QUANTITY	UNITS
MOORE STREET INTERSECTION	REMOVE EXISTING ASPHALT LANES AND ROCK SHOULDERS AT MOORE STREET INTERSECTION	626.7 +/-	SQ. YDS.
MOORE STREET INTERSECTION	REMOVE EXISTING CONCRETE SIGNAL BASE NUMBER 1	1	EACH
MOORE STREET INTERSECTION	REMOVE EXISTING SIGNAL POLE NUMBER 1	1	EACH
MOORE STREET INTERSECTION	REMOVE EXISTING PULL BOX NUMBER 1	1	EACH
MOORE STREET INTERSECTION	SAW CUT ALONG MOORE STREET AND ROUTE 40 (TO REMOVE ASPHALT PAVEMENT AT MOORE STREET INTERSECTION)	150	L.F.
MOORE STREET INTERSECTION	SAW CUT ALONG MOORE STREET AND OUTER ROAD (TO REMOVE ASPHALT PAVEMENT AT MOORE STREET INTERSECTION)	139	L.F.
MOORE STREET INTERSECTION	REMOVE DELINEATORS FROM AROUND RADIUS	16 +/-	EACH
	TOTAL	1	LUMP SUM

QUANTITIES
SHEET 2 OF 3



DATE PREPARED
7/26/2023
ROUTE 40 STATE MO
DISTRICT KC SHEET NO. 3

COUNTY
JACKSON


JOB NO.
J4S3347
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE						

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DATE PREPARED 7/26/2023	
ROUTE 40	STATE MO
DISTRICT KC	SHEET NO. 3

COUNTY	JACKSON
JOB NO.	J4S3347
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

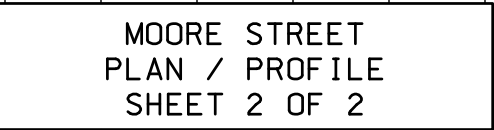
--	--	--	--	--	--	--	--

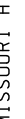
[illegible]

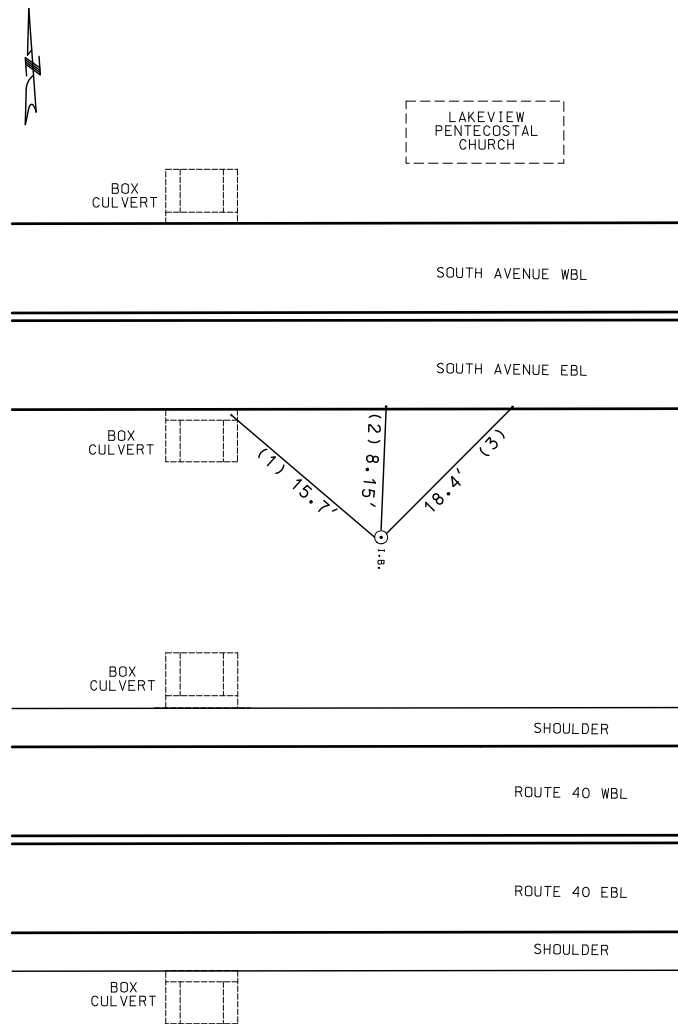
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

MoDOT

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



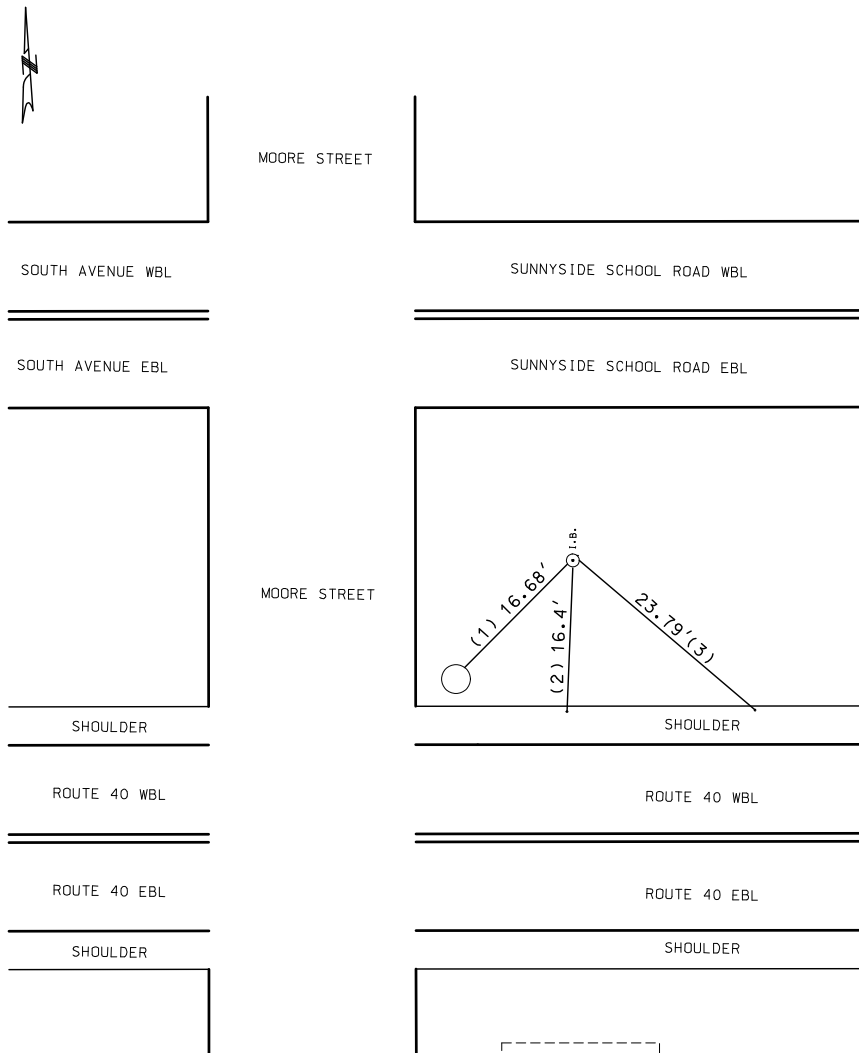
STATE OF MISSOURI CHRISTOPHER ALLAN WEST NUMBER PE-2014017034 <i>Christopher A. West</i>					
DATE PREPARED 7/26/2023					
ROUTE 40		STATE MO			
DISTRICT KC		SHEET NO. 5			
COUNTY JACKSON					
JOB NO. J4S3347					
CONTRACT ID.					
PROJECT NO.					
BRIDGE NO.					
DESCRIPTION					
DATE					
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION					
					
105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)					



CONTROL POINT 1
5/8" IRON BAR WITH ORANGE
MODOT CAP, BURIED .5' +/- BELOW THE GROUND
500' +/- WEST OF MOORE STREET INTERSECTION
NORTHWEST QUADRANT

- (1) 15.7' FROM + CUT ON HEADWALL
- (2) 8.15' FROM PK NAIL ON EDGE OF PAVEMENT
- (3) 18.4' FROM PK NAIL ON EDGE OF PAVEMENT

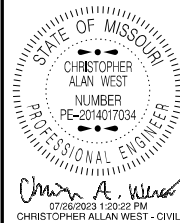
MODIFIED STATE PLANE (GROUND)
N: 1036395.615
E: 2856357.988
ELEV: 861.236'



CONTROL POINT 2
5/8" IRON BAR WITH ORANGE
MODOT CAP, BURIED .5' +/- BELOW THE GROUND
LOCATED AT THE INTERSECTION OF
MOORE STREET AND 40 HIGHWAY
NORTHEAST QUADRANT

- (1) 16.68' FROM SIGNAL BASE
- (2) 16.4' FROM PK NAIL ON EDGE OF PAVEMENT
- (3) 23.79' FROM PK NAIL ON EDGE OF PAVEMENT

MODIFIED STATE PLANE (GROUND)
N: 1036489.572
E: 2856920.832
ELEV: 860.693'



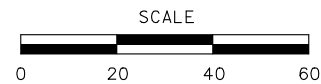
DATE PREPARED 7/26/2023	
ROUTE 40	STATE MO
DISTRICT KC	SHEET NO. 6
COUNTY JACKSON	
JOB NO. J4S3347	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

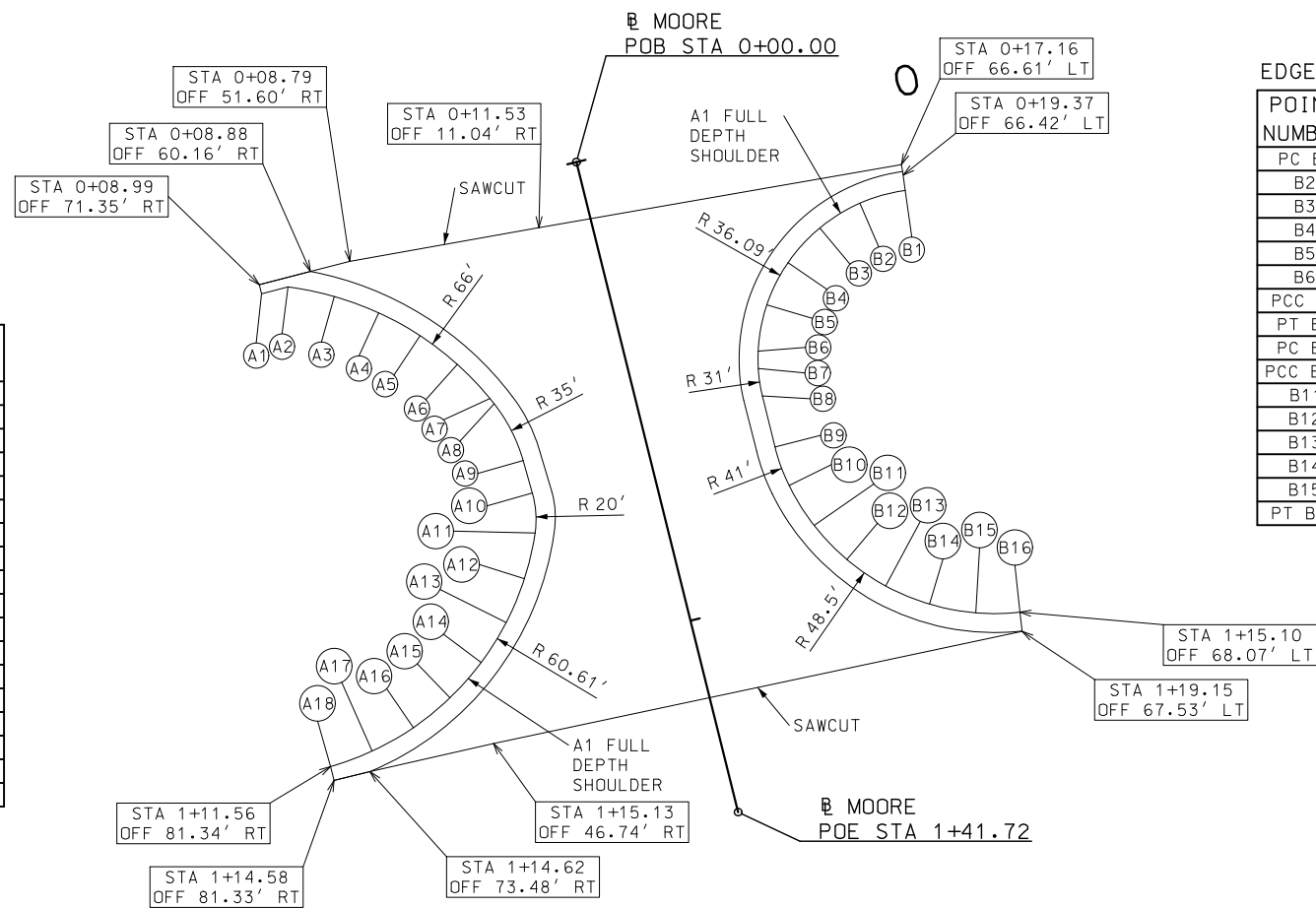
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

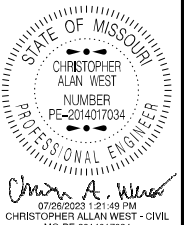


POINT NUMBER	STATION	OFFSET (FEET)	ELEVATION
A1	0+10.99	71.33	864.41
PC A2	0+10.93	65.56	865.20
A3	0+15.24	56.55	864.82
A4	0+20.85	48.29	864.43
A5	0+27.65	40.97	864.06
A6	0+35.48	34.76	863.73
A7	0+44.15	29.80	863.42
PCC A8	0+45.41	29.22	863.38
PT A9	0+58.55	26.16	862.98
PC A10	0+65.67	25.92	862.77
PCC A11	0+74.02	27.43	862.55
A12	0+82.92	31.97	862.22
A13	0+90.94	37.91	861.96
A14	0+97.89	45.09	861.86
A15	1+03.56	53.32	861.91
A16	1+07.80	62.36	862.06
A17	1+10.50	71.98	862.21
PT A18	1+11.56	81.34	862.35



POINT NUMBER	STATION	OFFSET (FEET)	ELEVATION
PC B1	0+22.60	-66.07	863.48
B2	0+22.92	-56.11	863.56
B3	0+25.95	-46.61	863.55
B4	0+31.46	-38.31	863.46
B5	0+39.03	-31.83	863.29
B6	0+48.09	-27.66	863.11
PCC B7	0+51.65	-26.78	863.05
PT B8	0+57.52	-26.22	862.88
PC B9	0+68.61	-26.22	862.59
PCC B10	0+77.26	-27.14	862.38
B11	0+86.75	-30.24	862.13
B12	0+95.40	-35.22	861.90
B13	1+02.85	-41.86	861.74
B14	1+08.79	-49.89	861.66
B15	1+12.95	-58.96	861.66
PT B16	1+15.10	-68.07	861.73

MOORE ST / RTE. 40
INTERSECTION DETAILS
SPECIAL SHEET
1 OF 1



DATE PREPARED
7/26/2023

ROUTE	STATE
40	MO

DISTRICT	SHEET NO.
KC	8

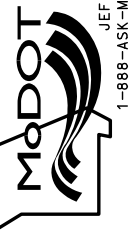
COUNTY
JACKSON

JOB NO.
J4S3347

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
84

STATE OF MISSOURI
CHRISTOPHER ALAN WEST
NUMBER
PE-2014017034
PROFESSIONAL ENGINEER
Commission Expires 07/26/2023

DATE PREPARED	
7/26/2023	
ROUTE	STATE
40	MO
DISTRICT	SHEET NO.
KC	9
COUNTY	
JACKSON	
JOB NO.	
J4S3347	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

TAPER LENGTH (L)

L = W X P FOR 40 MPH OR MORE

$L = \frac{WP^2}{60}$ FOR 35 MPH OR LESS

L = TAPER LENGTH IN FEET

W = LATERAL SHIFT IN FEET

P = POSTED SPEED PRIOR TO ROAD WORK IN MPH

LEGEND NOTE:

THE PROTECTIVE VEHICLE SIGN SHALL BE MOUNTED AT A RECOMMENDED HEIGHT OF 48 IN. ABOVE THE ROAD SURFACE.

1. SEE STANDARD PLAN 616.10 FOR DETAILS AND ITEMS NOT SHOWN.
2. EXISTING SIGNS SHALL BE COVERED DURING WORKING HOURS ONLY IF IN CONFLICT WITH TRAFFIC CONTROL PLANS.
3. NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING, COVERING, UNCOVERING OR REMOVING SIGNS.
4. CONES ALLOWABLE FOR DAYTIME OPERATIONS ONLY.
5. LOCATE FLASHING ARROW PANEL AT BEGINNING OF TAPER WHEN FEASIBLE, ARROW PANELS ARE ALWAYS LOCATED BEHIND CHANNELIZERS OR CONES.
6. THE PLACEMENT OF THE CMS's ARE TO BE DIRECTED BY THE ENGINEER IN CHARGE.

THE SC DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS.

DETAILS NOTES:


- (1) SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OF SIGNED CONDITION.
- (2) SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.
- (3) TAPER LENGTHS SHOWN INCLUDE LENGTH REQUIRED FOR LANE AND 10' SHOULDER
- (4) CONCRETE BARRIER MAY BE INSTALLED AT 8:1 FLARE RATE FROM THE SHOULDER POINT OF THE LIMITS OF THE CLEAR ZONE WHERE THE SIDE SLOPE IS 6:1 OR FLATTER

EPG TABLE 616.12 RECOMMENDED MAXIMUM SPEED REDUCTIONS	
ACTIVITY (I.E. WORKERS, EQUIPMENT OR MATERIAL) LOCATION	RECOMMENDED WORK ZONE SPEED REDUCTION (WHEN APPLICABLE)
10 FT. BEYOND EDGE OF TRAVELWAY TO EDGE OF RIGHT OF WAY	NO SPEED REDUCTION
IN TRAFFIC LANE OR WITHIN 10FT. OF THE TRAFFIC LANE	10 MPH
HEAD-TO-HEAD ON MULTILANE	10 MPH
SPECIAL CIRCUMSTANCES WITHIN A TEMPORARY TRAFFIC CONTROL WORK ZONE MAY WARRANT A LOWER SPEED LIMIT THAN RECOMMENDED ABOVE. ALL SPEED LIMIT REDUCTIONS GREATER THAN 10 MPH SHALL BE DOCUMENTED, SUBMITTED TO AND APPROVED BY THE DISTRICT WORK ZONE COORDINATOR.	

DEVICE SPACING
TEMPORARY
TRAFFIC CONTROL
SHEET 1 OF 9

DESCRIPTION

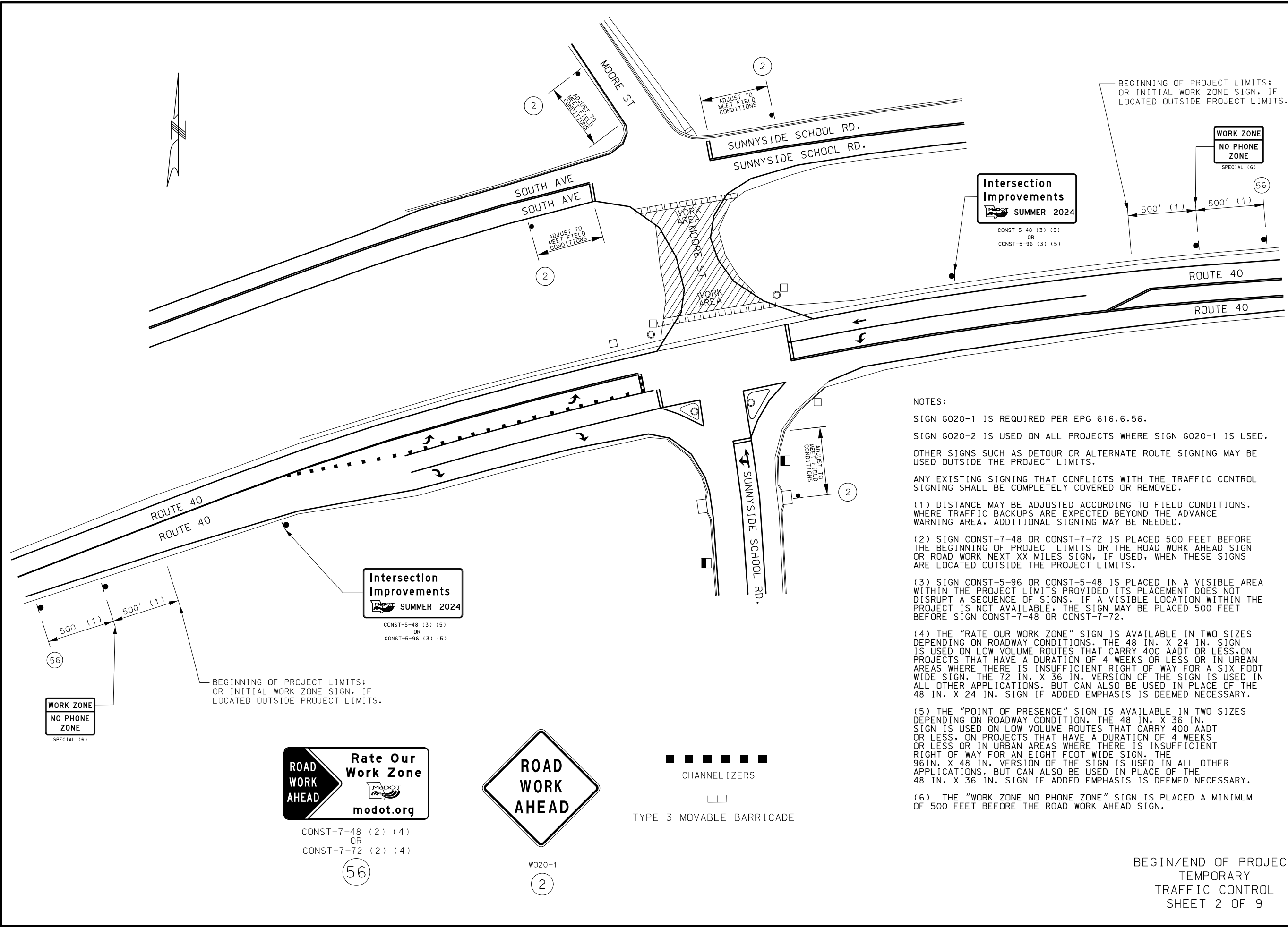
DATE _____

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MDOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.



NOTES:

SIGN G020-1 IS REQUIRED PER EPG 616.6.56.

SIGN G020-2 IS USED ON ALL PROJECTS WHERE SIGN G020-1 IS USED.

OTHER SIGNS SUCH AS DETOUR OR ALTERNATE ROUTE SIGNING MAY BE USED OUTSIDE THE PROJECT LIMITS.

ANY EXISTING SIGNING THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.

(1) DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS. WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA, ADDITIONAL SIGNING MAY BE NEEDED.

(2) SIGN CONST-7-48 OR CONST-7-72 IS PLACED 500 FEET BEFORE THE BEGINNING OF PROJECT LIMITS OR THE ROAD WORK AHEAD SIGN OR ROAD WORK NEXT XX MILES SIGN, IF USED, WHEN THESE SIGNS ARE LOCATED OUTSIDE THE PROJECT LIMITS.

(3) SIGN CONST-5-96 OR CONST-5-48 IS PLACED IN A VISIBLE AREA WITHIN THE PROJECT LIMITS PROVIDED ITS PLACEMENT DOES NOT DISRUPT A SEQUENCE OF SIGNS. IF A VISIBLE LOCATION WITHIN THE PROJECT IS NOT AVAILABLE, THE SIGN MAY BE PLACED 500 FEET BEFORE SIGN CONST-7-48 OR CONST-7-72.

(4) THE "RATE OUR WORK ZONE" SIGN IS AVAILABLE IN TWO SIZES DEPENDING ON ROADWAY CONDITIONS. THE 48 IN. X 24 IN. SIGN IS USED ON LOW VOLUME ROUTES THAT CARRY 400 AADT OR LESS, ON PROJECTS THAT HAVE A DURATION OF 4 WEEKS OR LESS OR IN URBAN AREAS WHERE THERE IS INSUFFICIENT RIGHT OF WAY FOR A SIX FOOT WIDE SIGN. THE 72 IN. X 36 IN. VERSION OF THE SIGN IS USED IN ALL OTHER APPLICATIONS. BUT CAN ALSO BE USED IN PLACE OF THE 48 IN. X 24 IN. SIGN IF ADDED EMPHASIS IS DEEMED NECESSARY.

(5) THE "POINT OF PRESENCE" SIGN IS AVAILABLE IN TWO SIZES DEPENDING ON ROADWAY CONDITION. THE 48 IN. X 36 IN. SIGN IS USED ON LOW VOLUME ROUTES THAT CARRY 400 AADT OR LESS, ON PROJECTS THAT HAVE A DURATION OF 4 WEEKS OR LESS OR IN URBAN AREAS WHERE THERE IS INSUFFICIENT RIGHT OF WAY FOR AN EIGHT FOOT WIDE SIGN. THE 96IN. X 48 IN. VERSION OF THE SIGN IS USED IN ALL OTHER APPLICATIONS. BUT CAN ALSO BE USED IN PLACE OF THE 48 IN. X 36 IN. SIGN IF ADDED EMPHASIS IS DEEMED NECESSARY.

(6) THE "WORK ZONE NO PHONE ZONE" SIGN IS PLACED A MINIMUM OF 500 FEET BEFORE THE ROAD WORK AHEAD SIGN.

STATE OF MISSOURI

CHRISTOPHER ALAN WEST

NUMBER PE-2014017034

PROFESSIONAL ENGINEER

07/26/2023 1:29:19 PM

CHRISTOPHER ALAN WEST - CIVIL

MO-PE-2014017034

DATE PREPARED

7/26/2023

ROUTE

40

STATE

MO

DISTRICT

KC

SHEET NO.

10

COUNTY

JACKSON

JOB NO.

J4S3347

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

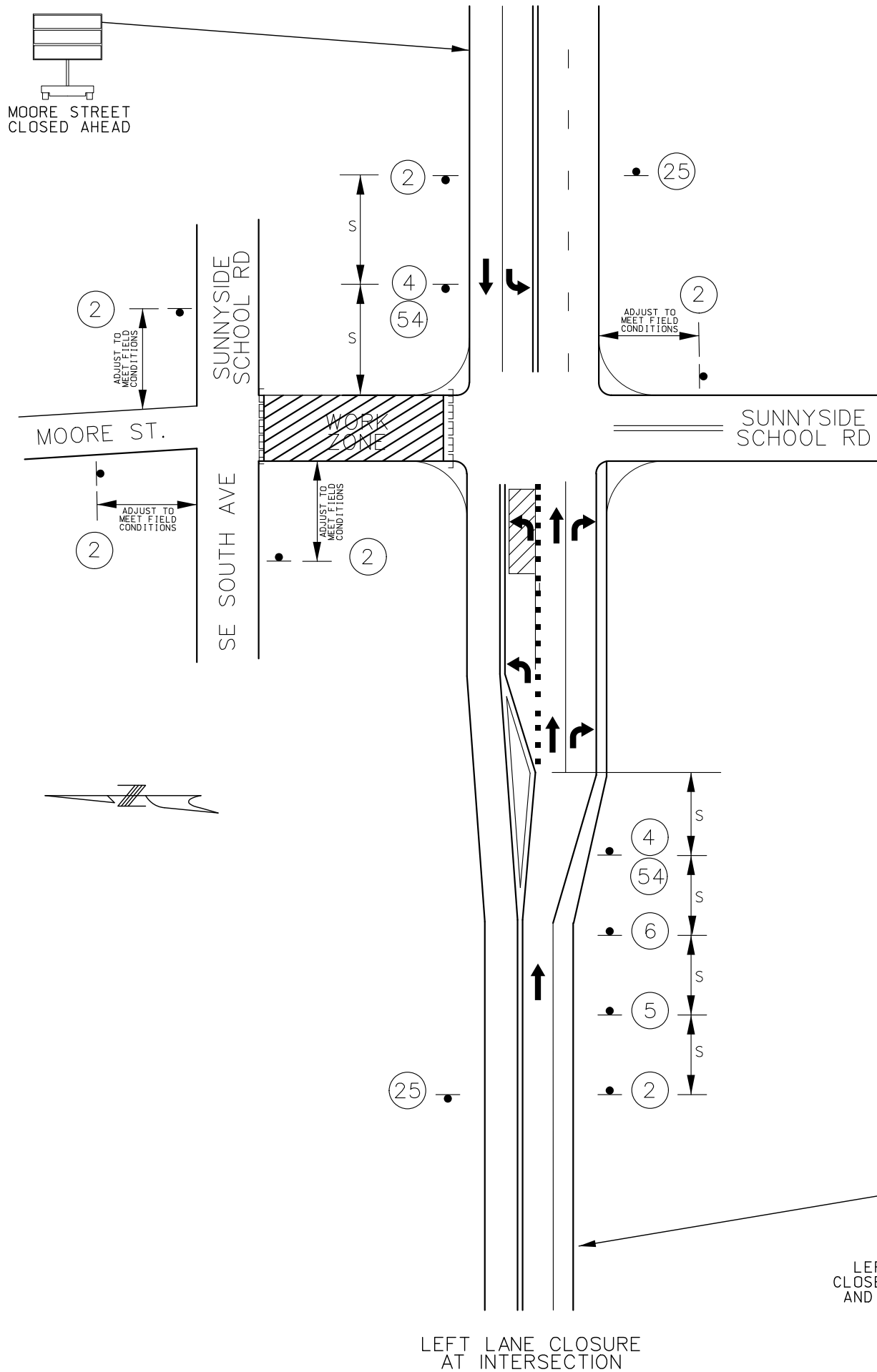
105 WEST CAPITOL

JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

[illegible]



ROAD WORK AHEAD

W020-1

2

BRIDGE OR RAMP

LEFT LANE CLOSED AHEAD

W020-5

5

CENTER LANE OR RIGHT LANE

LEFT LANE CLOSED

W020-6a

6

CENTER OR RIGHT

SPEED LIMIT 35

R2-1

4

SPEED LIMIT 45

(NORMAL SPEED) R2-1

25

WORK ZONE

G020-5aP

54

CHANNELIZERS

TYPE 3 MOVABLE BARRICADE

NOTES:

FOR SIGNALIZED INTERSECTIONS, ADJUSTMENTS MAY NEED TO BE MADE TO SIGNAL PHASE, TIMING INDICATIONS OR DETECTOR SETTINGS.

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKINGS AS NEEDED.

PAVEMENT MARKINGS AND PARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURE

FOR SHORT TERM OPERATIONS, WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKINGS, A 10' DEVICE SPACING IS USED WHERE TRAFFIC IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKINGS. ALL OTHER SPACINGS ARE ONE HALF THE SPACING SHOWN ON SHEET 1 OF THE TRAFFIC CONTROL SHEETS.

FOR WORK ZONES WHERE DEVICES ARE IN PLACE OVERNIGHT, USE THE DIRECTIONAL INDICATOR BARRIERS AT THE TAPERS OR MAY BE USED AT THE DISCRETION OF THE ENGINEER IN CHARGE.

LANE CLOSURE AT INTERSECTION
AFTER WORKING HOURS
AND ON WEEKENDS
TEMPORARY TRAFFIC CONTROL
SHEET 4 OF 9

STATE OF MISSOURI

CHRISTOPHER ALAN WEST

NUMBER PE-2014017034

PROFESSIONAL ENGINEER

07/26/2023 1:30:20 PM

CHRISTOPHER ALAN WEST - CIVIL

MO-PE-2014017034

DATE PREPARED

7/26/2023

ROUTE

40

STATE

MO

DISTRICT

KC

SHEET NO.

12

COUNTY

JACKSON

JOB NO.

J4S3347

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.

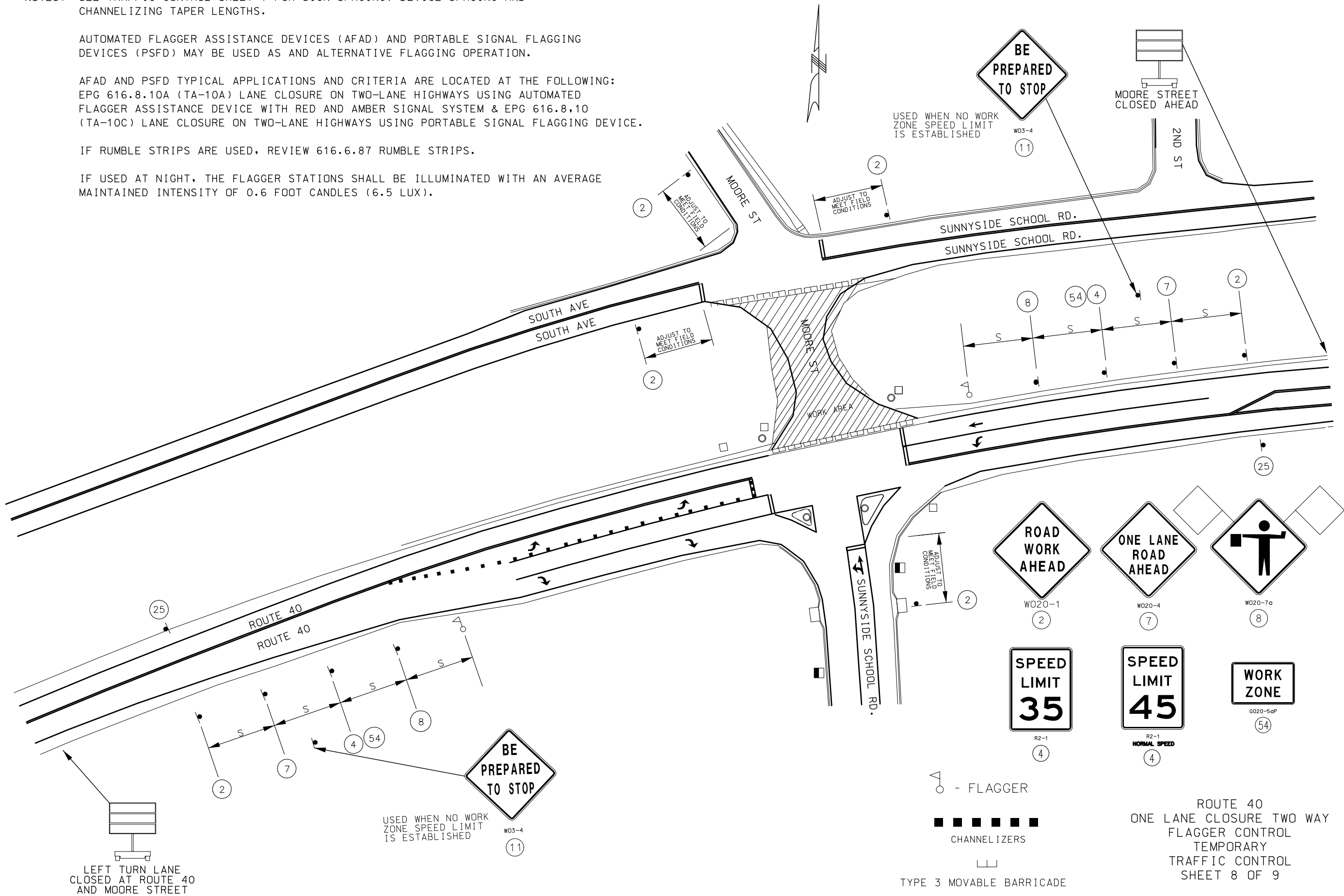
NOTES: SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

AUTOMATED FLAGGER ASSISTANCE DEVICES (AFAD) AND PORTABLE SIGNAL FLAGGING DEVICES (PSFD) MAY BE USED AS AND ALTERNATIVE FLAGGING OPERATION.

AFAD AND PSFD TYPICAL APPLICATIONS AND CRITERIA ARE LOCATED AT THE FOLLOWING:
EPG 616.8.10A (TA-10A) LANE CLOSURE ON TWO-LANE HIGHWAYS USING AUTOMATED FLAGGER ASSISTANCE DEVICE WITH RED AND AMBER SIGNAL SYSTEM & EPG 616.8.10 (TA-10C) LANE CLOSURE ON TWO-LANE HIGHWAYS USING PORTABLE SIGNAL FLAGGING DEVICE.

IF RUMBLE STRIPS ARE USED, REVIEW 616.6.87 RUMBLE STRIPS.

IF USED AT NIGHT, THE FLAGGER STATIONS SHALL BE ILLUMINATED WITH AN AVERAGE MAINTAINED INTENSITY OF 0.6 FOOT CANDLES (6.5 LUX).



STATE OF MISSOURI
CHRISTOPHER ALAN WEST
NUMBER
PE-2014017034
PROFESSIONAL ENGINEER
Christopher A. West
07/26/2023 1:32:22 PM
CHRISTOPHER ALAN WEST - CIVIL
MO-PE-2014017034

DATE PREPARED
7/26/2023

ROUTE
40

DISTRICT
KC

STATE
MO

SHEET NO.
16

COUNTY
JACKSON

JOB NO.
J4S3347

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

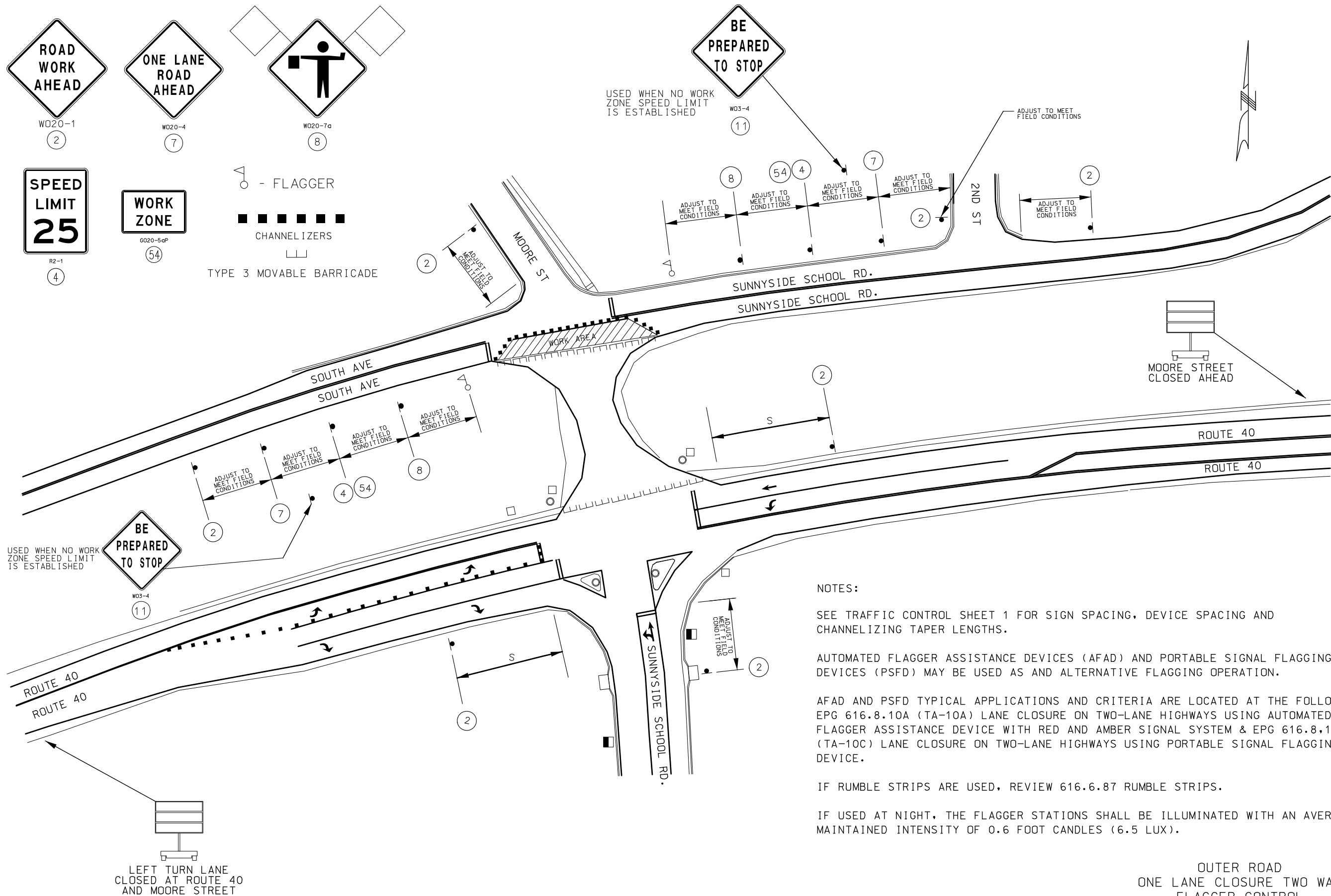
DESCRIPTION	DATE
ROUTE 40	
ROUTE 40	

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

ROUTE 40
ONE LANE CLOSURE TWO WAY
FLAGGER CONTROL
TEMPORARY
TRAFFIC CONTROL
SHEET 8 OF 9



USED WHEN NO WORK
ZONE SPEED LIMIT
IS ESTABLISHED

USED WHEN NO WORK
ZONE SPEED LIMIT
IS ESTABLISHED

NOTES:

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

AUTOMATED FLAGGER ASSISTANCE DEVICES (AFAD) AND PORTABLE SIGNAL FLAGGING DEVICES (PSFD) MAY BE USED AS AND ALTERNATIVE FLAGGING OPERATION.

AFAD AND PSFD TYPICAL APPLICATIONS AND CRITERIA ARE LOCATED AT THE FOLLOWING:
EPG 616.8.10A (TA-10A) LANE CLOSURE ON TWO-LANE HIGHWAYS USING AUTOMATED FLAGGER ASSISTANCE DEVICE WITH RED AND AMBER SIGNAL SYSTEM & EPG 616.8.10 (TA-10C) LANE CLOSURE ON TWO-LANE HIGHWAYS USING PORTABLE SIGNAL FLAGGING DEVICE.

IF RUMBLE STRIPS ARE USED, REVIEW 616.6.87 RUMBLE STRIPS.

IF USED AT NIGHT, THE FLAGGER STATIONS SHALL BE ILLUMINATED WITH AN AVERAGE MAINTAINED INTENSITY OF 0.6 FOOT CANDLES (6.5 LUX).

OUTER ROAD
ONE LANE CLOSURE TWO WAY
FLAGGER CONTROL
TEMPORARY
TRAFFIC CONTROL
SHEET 9 OF 9

STATE OF MISSOURI

CHRISTOPHER ALAN WEST

NUMBER

PE-2014017034

PROFESSIONAL ENGINEER

07/26/2023 1:32:53 PM

CHRISTOPHER ALAN WEST - CIVIL

MO-PE-2014017034

DATE PREPARED

7/26/2023

ROUTE

40

STATE

MO

DISTRICT

KC

SHEET NO.

17

COUNTY

JACKSON

JOB NO.

J4S3347

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

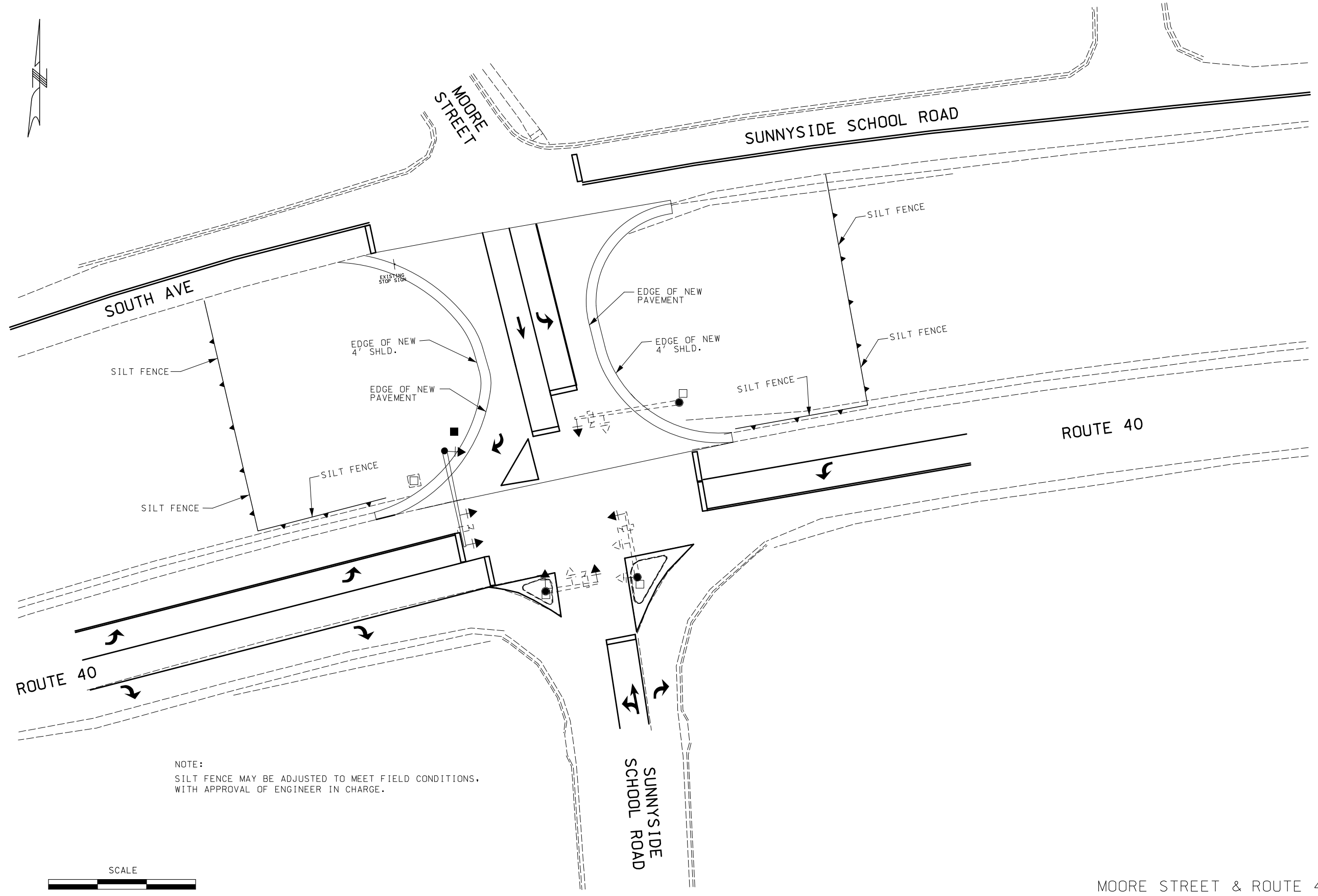
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

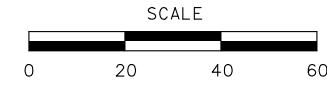
JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

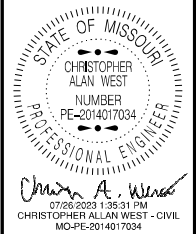
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



NOTE:
SILT FENCE MAY BE ADJUSTED TO MEET FIELD CONDITIONS,
WITH APPROVAL OF ENGINEER IN CHARGE.




MOORE STREET & ROUTE 40
EROSION CONTROL
SHEET 1 OF 1



DATE PREPARED 7/26/2023	
ROUTE 40	STATE MO
DISTRICT KC	SHEET NO. 18
COUNTY JACKSON	
JOB NO. J4S3347	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

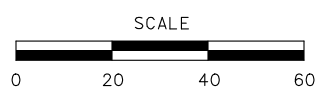
DATE	DESCRIPTION






















MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION





105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



TRAFFIC SIGNALS LEGEND			
	CONTROLLER		VIDEO DETECTOR
	CONTROLLER (EXISTING)		PREFORMED PULL BOX TYPE 1
JCT 	JUNCTION BOX		PREFORMED PULL BOX TYPE 2
	POWER SUPPLY		CONCRETE PULL BOX TYPE 1
	SIGNAL HEAD (EXISTING)		CONCRETE PULL BOX TYPE 2
	SIGNAL HEAD (OPT LIM CONV)	ITS 	ITS PULL BOX TYPE 2
	SIGNAL HEAD (OPT LIM)	ITS 	ITS PULL BOX TYPE 5
	SIGNAL HEAD (STANDARD)		MAST ARM - TYPE A BASE
	PUSHED CONDUIT		MAST ARM - TYPE C BASE
	EXISTING CONDUIT		MAST ARM - TYPE F BASE
	TRENCHED CONDUIT		

MOORE STREET & ROUTE 40
SIGNAL SHEET
SHEET 1 OF 6

<div><div><div>STATE OF MISSOURI</div><div>CHRISTOPHER ALAN WEST</div><div>NUMBER PE-2014017034</div><div>PROFESSIONAL ENGINEER</div></div><div> 07/26/2023 1:36:00 PM CHRISTOPHER ALAN WEST - CIVIL MO-PE-2014017034</div></div>		DATE PREPARED 7/26/2023	
ROUTE 40	STATE MO		
DISTRICT KC	SHEET NO. 19		
COUNTY JACKSON			
JOB NO. J4S3347			
CONTRACT ID.			
PROJECT NO.			
BRIDGE NO.			
DESCRIPTION		DATE	MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MDOT (1-888-275-6636)

DATE PREPARED	
7/26/2023	
ROUTE	STATE
40	MO
DISTRICT	SHEET NO.
KC	21
COUNTY	
JACKSON	
JOB NO.	
J4S3347	
CONTRACT ID.	

[illegible]

DATE						
------	--	--	--	--	--	--



MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITAL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

[illegible]TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.
*** USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.

- (1) ModOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE INTERCONNECT.
- (2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.

170
OUTPUT FILE ASSIGNMENTS

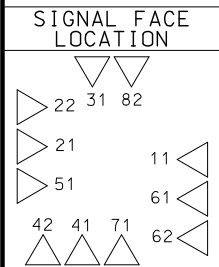
MONITOR

170 INPUT FILE ASSIGNMENTS

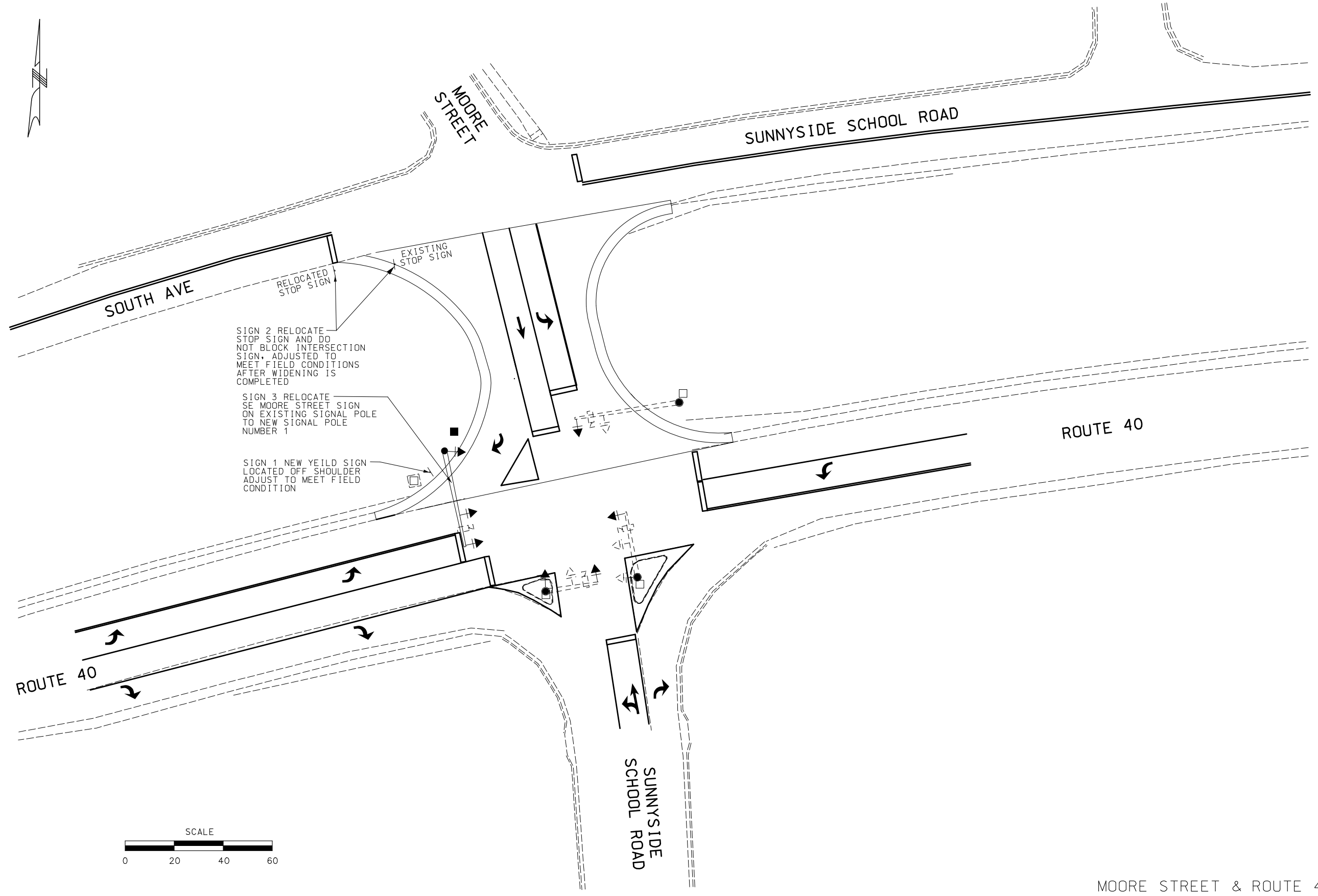
TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)

MOORE STREET AND ROUTE 40
INTERSECTION

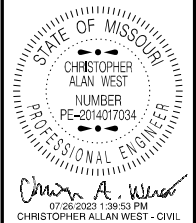
D-37C



TRAFFIC PHASING AND COLOR SEQUENCE – ACTUATED CONTROLLERS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														



MOORE STREET & ROUTE 40
SIGNING
SHEET 1 OF 1



DATE PREPARED
7/26/2023

ROUTE 40	STATE MO
DISTRICT KC	SHEET NO. 25

COUNTY
JACKSON

JOB NO.
J4S3347

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

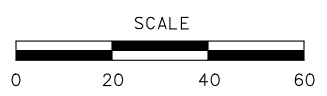
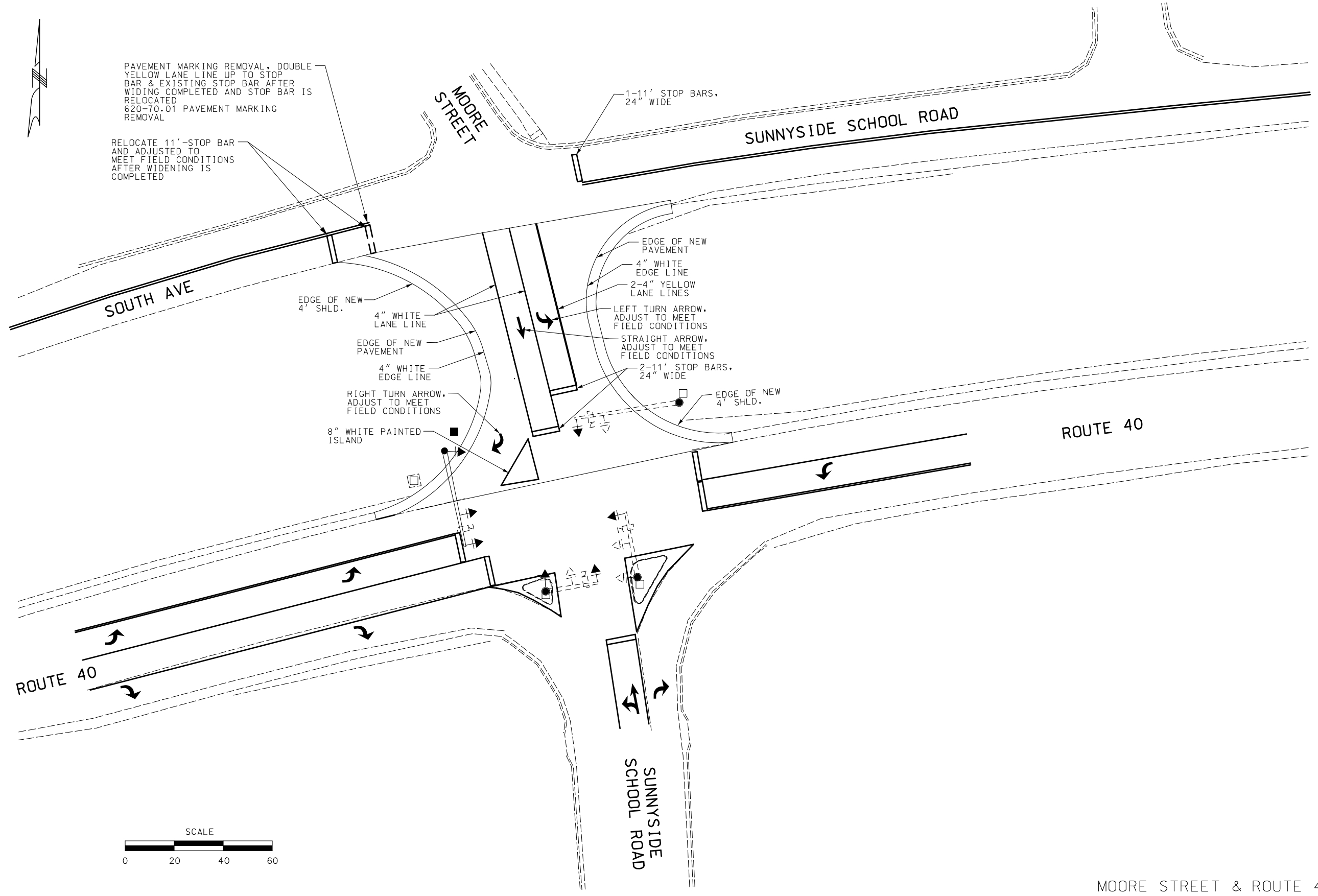
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

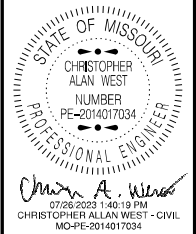


105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



MOORE STREET & ROUTE 40
PAVEMENT MARKING
SHEET 1 OF 1



DATE PREPARED 7/26/2023	
ROUTE 40	STATE MO
DISTRICT KC	SHEET NO. 26
COUNTY JACKSON	
JOB NO. J4S3347	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.