



**CITY OF LEE'S SUMMIT, MISSOURI  
220 S.E. GREEN STREET  
LEE'S SUMMIT, MISSOURI 64063  
(816) 969-1800**

**PUBLIC WORKS ENGINEERING DIVISION**

***Douglas Complete Street Improvements  
Federal Project No. TAP 3001 (006)  
City Project No. 106***

**ADDENDUM NO. 4**

The original Request for Bid for ***Douglas Complete Street Improvements***, remains in effect except as revised by the following changes, which shall take precedence over anything to the contrary in the contract instruments, drawings, or technical specifications.

**CONTRACT DOCUMENTS AND DRAWINGS:**

The Documents and Drawings for the above referenced project dated May 2026 are hereby amended in the following particulars only; all other conditions remain unchanged.

The following changes are in effect for the Project Manual:

1. Under Article 4.02 A. of section C-520 "Agreement Between Owner and Contractor for Construction Contract (Stipulated Price)" make the following corrections:
  - a. Remove and replace "280 days" with "390 days"
2. After Article 4.03 A. add the following:
  - "B. A notice to Proceed may be issued as early as July 1, 2026, or later as mutually agreed upon in writing between Owner and Contractor, with the requirement to complete this milestone within the duration of calendar day as provided for this milestone.
  - C. Parts of Work must be substantially completed on or before the following Milestone(s):
    1. Milestone 1: All work shall be completed for Phase 1 as shown on plan sheet 120 of 229 within 90 calendar days of the Notice to Proceed.
      - a. Milestone 1a: All work shall be completed in the southern portion of the intersection of SE 2<sup>nd</sup> Street and SE Douglas Street as shown on plan sheet 121A of 229 within 30 calendar days of the date work commences in that area.
      - b. Milestone 1b: All work shall be completed in the northern portion of the intersection of SE 2<sup>nd</sup> Street and SE Douglas Street as shown on plan sheet 121B of 229 within 20 calendar days of the date work commences in that area.
    2. Milestone 2: All work shall be completed for Phase 2 as shown on plan sheet 120 of 229 within 110 calendar days of the Notice to Proceed.
    3. Milestone 3: All work shall be completed for Phase 3 as shown on plan sheet 120 of 229 within 90 calendar days of the Notice to Proceed.

4. Milestone 4: All work shall be completed for Phase 4 as shown on plan sheet 120 of 229 within 100 calendar days of the Notice to Proceed.
  - D. Means of milestone verification will include: Signed letter dated before the start of construction from the Owner certifying the Contractor’s construction work plan meeting accepted schedule requirements. Signed letter dated after completion of constructions, from the Owner certifying the substantial completion of work.
  - E. During the periods of November 23 - 29 and December 21 - January 1, all pedestrian, roadway, water, sanitary and stormwater facilities shall remain fully usable in their existing or newly constructed condition. Contract time will be suspended during these periods.”
3. Under Article 5.01 A. of section C-520 “Agreement Between Owner and Contractor for Construction Contract (Stipulated Price)” make the following corrections:
  - a. Change the quantity of bid Item No. 128 from 20 to 36.
  - b. Remove bid items No. 133 and 134.
  - c. Change bid item No. 135 to No. 133.
4. Under Section 01120 – Measurement and Payment, Part 2.01, remove all part B and replace with the following:

“Payment for clearing and grubbing shall be based on the lump sum price as set forth in the Agreement. Said price shall include all costs necessary to complete the work including, but not limited to haul-off, demolishing, removing, and disposing of all shrubs, bushes, stumps and roots of existing or previously removed vegetation, including subsurface roots within the Site, unless included in other items of work, as required by the drawings and specifications.”
5. Under Project Special Provisions, remove PSP15 – Tree Stump and Root Removal in its entirety.

The following changes are in effect for the Construction Plans:

1. Replace sheet 4 “Summary of Quantities” dated 4/30/2026 with attached sheet 4 “Summary of Quantities” dated 6/1/2026. Item No. 128 has had a change in quantity, items 133 and 134 have been removed; and item number 135 has been updated to 133.
2. Replace sheet 120 “Construction Phasing” dated 4/30/2026 with attached sheet 120 “Construction Phasing” dated 5/28/2026. A note 6 has been added to the General Notes and Construction Phasing Notes for Phase 1 have been revised.
3. Insert attached sheet 121a “Traffic Control Phase 1a” dated 6/1/2026 and sheet 121b “Traffic Control Phase 1b” dated 5/28/2026 between plan sheet 121 “Traffic Control Phase 1” and sheet 122 “Traffic Control Phase 2” both dated 5/1/2026. These sheets depict the recommended traffic control patterns for phases 1a and 1b.
4. Replace sheet 127 “Phase 1 Detour Map” dated 5/1/2026 with attached sheet 127 “Phase 1 Detour Map” dated 5/28/2026.

5. Replace sheet 128 “Phase 2-4 Detour Map” dated 5/1/2026 with attached sheet 128 “Phase 2-4 Detour Map” dated 5/28/2026.
6. Replace sheet 131 “2<sup>nd</sup> and Douglas Signal General Notes” dated 5/1/2026 with attached sheet 132 “2<sup>nd</sup> and Douglas Signal General Notes” dated 5/28/2026. A note 8 has been added to the Project Specific Notes.

**ACKNOWLEDGEMENT**

Each bidder shall acknowledge receipt of this **Addendum No. 4 of Federal Project No. TAP 3001 (006) and City Project No. 106 and Douglas Complete Street Improvements** by his/her signature affixed hereto, and shall attach this Addendum to the original bid submitted. **Failure to sign and submit this addendum could render your bid nonresponsive.**

CERTIFICATION BY BIDDER:

Signature \_\_\_\_\_

Title \_\_\_\_\_

Company \_\_\_\_\_

Date \_\_\_\_\_

# AGREEMENT BETWEEN OWNER AND CONTRACTOR FOR CONSTRUCTION CONTRACT (STIPULATED PRICE)

## ADDENDUM NO. 4

This Agreement is by and between the City of Lee's Summit, Missouri ("Owner") and [name of contracting entity] ("Contractor").

Terms used in this Agreement have the meanings stated in the General Conditions and the Supplementary Conditions.

Owner and Contractor hereby agree as follows:

### ARTICLE 1—WORK

1.01 Contractor shall complete all Work as specified or indicated in the Contract Documents. The Work is generally described as follows: Reconstructing approximately 0.75 miles of Douglas Street between SE 2nd Street and NE Chipman Road. Work also includes construction of 10' shared-use path, 5' sidewalk, storm sewer, curb and gutter, waterline replacement, street light installation and tree planting.

### ARTICLE 2—THE PROJECT

2.01 The Project, of which the Work under the Contract Documents is a part, is generally described as follows: Project No. P-106 – Douglas Complete Street Improvements

### ARTICLE 3—ENGINEER

3.01 The Owner has retained Kimley-Horn and Associates, Inc. ("Engineer") to ~~act as Owner's representative~~, assume all duties and responsibilities of Engineer, and have the rights and authority assigned to Engineer in the Contract, except as described in Paragraph 3.03 of this Agreement.

3.02 The part of the Project that pertains to the Work has been designed by Engineer.

3.03 The Owner shall be responsible for handling the following matters notwithstanding the fact that certain portions of the Contract Documents may list the Engineer as having responsibility for said matters:

- A. Furnish a Resident Project Representative;
- B. Change of Working Hours;
- C. Make Determinations for Unit Price Work (determine quantities and classifications);
- D. Field orders, Work Change Directives, Change Orders;
- E. Progress Payments;
- F. Monitor Contractor's schedule, progress, schedule and conduct progress meetings;

- G. Receive in writing questions from the Contractor regarding all matters concerning the requirements of the Contract Documents (sometimes referred to as requests for information or interpretation—RFIs), or relating to the acceptability of the Work under the Contract Documents;
- H. The Owner will be the initial interpreter of the requirements of the Contract Documents;
- I. The Owner will render decision regarding the requirements of the Contract Documents;
- J. The Owner will judge of the acceptability of the Work; and
- K. Coordinate construction services provided by the Engineer as needed.

In the event that portions of the Contract Documents indicate that the Engineer is to handle, provide input, or receive notices or filings with regard to any of the above referenced matters, this Article 3 shall prevail.

#### ARTICLE 4—CONTRACT TIMES

##### 4.01 *Time is of the Essence*

- A. All time limits for Milestones, if any, Substantial Completion, and completion and readiness for final payment as stated in the Contract Documents are of the essence of the Contract.

##### 4.02 *Contract Times: Days*

- A. The Work will be substantially complete within **390 days** after the date when the Contract Times commence to run as provided in Paragraph 4.01 of the General Conditions, and completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions within **90 days after Substantial Completion**.

##### 4.03 *Milestones*

- A. Completion of the punch list attached to the Certificate of Substantial Completion shall be achieved within 30 days after Substantial Completion.
- B. A notice to Proceed may be issued as early as July 1, 2026, or later as mutually agreed upon in writing between Owner and Contractor, with the requirement to complete this milestone within the duration of calendar day as provided for this milestone.
- C. Parts of Work must be substantially completed on or before the following Milestone(s):
  - 1. Milestone 1: All work shall be completed for Phase 1 as shown on plan sheet 120 of 229 within 90 calendar days of the Notice to Proceed.
    - a. Milestone 1a: All work shall be completed in the southern portion of the intersection of SE 2<sup>nd</sup> Street and SE Douglas Street as shown on plan sheet 121A of 229 within 30 calendar days of the date work commences in that area.
    - b. Milestone 1b: All work shall be completed in the northern portion of the intersection of SE 2<sup>nd</sup> Street and SE Douglas Street as shown on plan sheet 121B of 226 within 20 calendar days of the date work commences in that area.

2. Milestone 2: All work shall be completed for Phase 2 as shown on plan sheet 120 of 229 within 110 calendar days of the Notice to Proceed.
  3. Milestone 3: All work shall be completed for Phase 3 as shown on plan sheet 120 of 229 within 90 calendar days of the Notice to Proceed.
  4. Milestone 4: All work shall be completed for Phase 4 as shown on plan sheet 120 of 229 within 100 calendar days of the Notice to Proceed.
- D. Means of milestone verification will include: Signed letter dated before the start of construction from the Owner certifying the Contractor's construction work plan meeting accepted schedule requirements. Signed letter dated after completion of constructions, from the Owner certifying the substantial completion of work.
- E. During the periods of November 23 - 29 and December 21 - January 1, all pedestrian, roadway, water, sanitary and stormwater facilities shall remain fully usable in their existing or newly constructed condition. Contract time will be suspended during these periods.

#### 4.04 *Liquidated Damages*

- A. Contractor and Owner recognize that time is of the essence as stated in Paragraph 4.01 above and that Owner will suffer financial and other losses if the Work is not completed and Milestones not achieved within the Contract Times, as duly modified. The parties also recognize the delays, expense, and difficulties involved in proving, in a legal or arbitration proceeding, the actual loss suffered by Owner if the Work is not completed on time. Accordingly, instead of requiring any such proof, Owner and Contractor agree that as liquidated damages for delay (but not as a penalty):
1. *Substantial Completion*: Contractor shall pay Owner **\$3,625** for each day that expires after the time (as duly adjusted pursuant to the Contract) specified above for Substantial Completion, until the Work is substantially complete.
  2. *Completion of Remaining Work*: After Substantial Completion, if Contractor shall neglect, refuse, or fail to complete the remaining Work within the Contract Times (as duly adjusted pursuant to the Contract) for completion and readiness for final payment, Contractor shall pay Owner **\$3,625** for each day that expires after such time until the Work is completed and ready for final payment.
  3. *Milestones*:
    - a. Contractor shall pay Owner **\$3,625** for each day that expires after the time (as duly adjusted pursuant to the Contract) specified above for achievement of Paragraph 4.03.A, or until the time specified for the Work to be completed and ready for final payment, at which time the rate indicated in Paragraph 4.04.A.2 will apply, rather than this Milestone rate.
    - b. Contractor shall pay Owner **\$3,625** for each day that expires after the time (as duly adjusted pursuant to the Contract) specified above for achievement of each Milestone reflected in Paragraph 4.03.B, or until the time specified for Substantial Completion is reached, at which time the rate indicated in Paragraph 4.04.A.1 will apply, rather than this Milestone rate.
  4. Liquidated damages for failing to timely attain Milestones, Substantial Completion, and final completion are not additive, and will not be imposed concurrently.

- B. If Owner recovers liquidated damages for a delay in completion by Contractor, then such liquidated damages are Owner's sole and exclusive remedy for such delay, and Owner is precluded from recovering any other damages, whether actual, direct, excess, or consequential, for such delay, except for special damages (if any) specified in this Agreement.

**ARTICLE 5—CONTRACT PRICE**

5.01 Owner shall pay Contractor for completion of the Work in accordance with the Contract Documents, the amounts that follow, subject to adjustment under the Contract:

- A. For all Unit Price Work, an amount equal to the sum of the extended prices (established for each separately identified item of Unit Price Work by multiplying the unit price times the actual quantity of that item).

Item No.	Description	Unit	Estimated Quantity	Unit Price	Extended Price
1	Clearing Grubbing and Demolition	LS	1.00		
2	Demolition and Removal	LS	1.00		
3	Mobilization	LS	1.00		
4	Unclassified Excavation	CY	9,205		
5	Embankment with Excavated Material	CY	1,068		
6	Geogrid for Subgrade Stabilization	SY	15,500		
7	4" MoDOT Type 5 Aggregate Base Course	SY	5,100		
8	6" MoDOT Type 5 Aggregate Base Course	SY	17,726		
9	8" Concrete Pavement (KCMMB 4K)	SY	15,500		
10	4" Concrete Sidewalk	SY	2,000		
11	ADA Ramp (All Types)	EACH	42		
12	6" Concrete Shared-Use Path	SY	3,100		
13	6" Concrete (Residential Drive)	SY	1,676		
14	8" Concrete (Commercial Drive)	SY	550		
15	Curb & Gutter Type CG-1	LF	8,984		
16	Curb & Gutter Type CG-2	LF	218		
17	Curb Type C-1	LF	30		
18	Curb Type C-1 Modified	LF	198		
19	Curb Type S	LF	112		
20	Storm Sewer Curb Inlet (8' x 4')	EACH	4		
21	Storm Sewer Curb Inlet (8' x 5')	EACH	1		
22	Storm Sewer Curb Inlet (6' x 4')	EACH	17		
23	Modified Storm Sewer Inlet (6' x 4')	EACH	2		
24	Modified Storm Sewer Inlet (5' x 4')	EACH	7		
25	Modified Storm Sewer Inlet (5' x 5')	EACH	1		
26	Storm Sewer Inlet (5' x 3')	EACH	1		
27	Storm Sewer Junction Box (5')	EACH	9		
28	Storm Sewer Junction Box (7')	EACH	2		

29	Storm Sewer Pipe (15") RCP or PP	LF	959		
30	Storm Sewer Pipe (18") RCP or PP	LF	604		
31	Storm Sewer Pipe (24") RCP or PP	LF	1,242		
32	Storm Sewer Pipe (30") RCP or PP	LF	172		
33	Storm Sewer Pipe (36") RCP or PP	LF	499		
34	Storm Sewer Pipe (42") RCP or PP	LF	79		
35	Storm Sewer Pipe (36") RCP	LF	20		
36	Storm Sewer Pipe (42") RCP	LF	10		
37	Pipe Collar for 18" Pipe	EACH	1		
38	Pipe Collar for 30" Pipe	EACH	1		
39	Pipe Collar for 36" Pipe	EACH	1		
40	Pipe Collar for 42" Pipe	EACH	1		
41	Flowable Fill for Abandoned Pipes	CY	40		
42	Sanitary Sewer Frame and Cover Removal and Replacement	EACH	4		
43	Sanitary Sewer Pipe Encasement	CY	3		
44	Sod	SY	9,156		
45	Topsoil	SY	9,156		
46	1" PVC Water Main	LF	25		
47	3/4" Copper Water Main Service	LF	2,000		
48	6" PVC Water Main	LF	114		
49	8" PVC Water Main	LF	5,271		
50	6" Gate Valves	EACH	2		
51	8" Gate Valves	EACH	30		
52	8" Water Main 45° Bends	EACH	48		
53	8" Water Main 11.25° Bends	EACH	5		
54	8" Water Main 90° Bends	EACH	1		
55	8" X 8" Water Main Tee	EACH	11		
56	6" x 8" PVC Water Main Tee	EACH	10		
57	8" Water Main Cross	EACH	2		
58	6" x 8" Water Main Reducer	EACH	10		
59	4" x 8" Water Main Reducer	EACH	1		
60	10" x 8" Water Main Reducer	EACH	1		
61	12" x 8" Water Main Reducer	EACH	1		
62	8" Water Main Tapping Plug	EACH	1		
63	8" Water Main Tapping Sleeve	EACH	1		
64	1" Water Main 45° Bend	EACH	1		
65	1" Water Main 90° Bend	EACH	1		
66	8" Solid Sleeve	EACH	1		
67	6" Water Main Cap	EACH	17		
68	Water Main Plug	EACH	17		
69	Water Meter Installations	EACH	45		

70	Straight Set Fire Hydrant	EACH	9		
71	Silt Fence	LF	3,560		
72	Inlet Protectors	EACH	37		
73	Junction Box Protectors	EACH	12		
74	Alternate Ditch Check	SF	20		
75	Street Lighting, 14' Pole (P14)	EACH	42		
76	Street Lighting, 30' Pole (P30S)	EACH	2		
77	Street Lighting, Bracket Arm, 6'	EACH	2		
78	Street Lighting, Screw-In Base, 14' Pole (B14)	EACH	42		
79	Street Lighting, Concrete Base, 30' Pole	EACH	2		
80	Street Lighting, Post Top LED Luminaire	EACH	42		
81	Street Lighting, Cobrahead LED Luminaire (Class 1)	EACH	2		
82	Street Lighting, 4-Circuit Power Supply Assembly	EACH	2		
83	Street Lighting, Power Supply Concrete Base	EACH	2		
84	Street Lighting, Fiber Optic Pull Box	EACH	10		
85	Street Lighting, Class I Pull Box	EACH	2		
86	Street Lighting, Type II Junction Box	EACH	4		
87	Street Lighting, Type I Junction Box	EACH	3		
88	Street Lighting, 2" HDPE Conduit (Installed)	LF	5,100		
89	Street Lighting, 2" HDPE Fiber Optic Conduit (Installed)	LF	3,700		
90	Street Lighting, 3" PVC SCH 40 Conduit (Installed)	LF	75		
91	Street Lighting, 3c#6 Power Cable	LF	150		
92	Street Lighting, 3c#8 Street Light Distribution Cable	LF	5,500		
93	Street Lighting, 3c#10 Street Light Pole & Bracket Cable	LF	950		
94	Street Lighting, Multi-Tap Connectors	EACH	132		
95	Street Lighting, Break-Away Fused Connectors	EACH	88		
96	Street Lighting, Break-Away Non-Fused Connectors	EACH	44		
97	Pavement Marking, 4" White - High Build Paint	LF	865		
98	Pavement Marking, 4" Yellow - High Build Paint	LF	8,615		
99	Pavement Marking, 6" White - Preformed Thermoplastic	LF	1,045		
100	Pavement Marking, 12" Yellow - Preformed Thermoplastic	LF	70		
101	Pavement Marking, 24" White - Preformed Thermoplastic	LF	277		
102	Pavement Marking, Arrow Symbol - Preformed Thermoplastic	EACH	10		
103	Signs (Permanent)	SF	271		
104	Sign Post (Permanent)	EACH	28		
105	Traffic Signal, Demolition and Removal	LS	1		
106	Traffic Signal, Pole Relocation	LS	1		
107	Traffic Signal, Pedestal Pole (8')	EACH	7		
108	Traffic Signal, Pole Base (Type B10)	EACH	1		
109	Traffic Signal, Pole Base (Type C)	EACH	7		
110	Traffic Signal, Head (Type H)	EACH	4		

111	Traffic Signal, Head (Type M)	EACH	7		
112	Traffic Signal, 2" HDPE Conduit	LF	150		
113	Traffic Signal, 3" HDPE Conduit (Installed)	LF	30		
114	Traffic Signal, 4" HDPE Conduit (Installed)	LF	280		
115	Traffic Signal, Class II Pull Box	EACH	1		
116	Traffic Signal, Class III Pull Box	EACH	1		
117	Traffic Signal, Fiber Optic Pull Box	EACH	1		
118	Traffic Signal, 1C#6 Solid Copper Ground Cable	LF	550		
119	Traffic Signal, 2C#8 Lighting Power Cable	LF	400		
120	Traffic Signal, 2C#14 Control Cable	LF	1,100		
121	Traffic Signal, 5C#14 Control Cable	LF	1,100		
122	Traffic Signal, 7C#14 Control Cable	LF	2,050		
123	Traffic Signal, APS Pedestrian Pushbutton Detectors	EACH	7		
124	Traffic Signal, Signs	SF	37		
125	Traffic Signal Equipment Modification	LS	1		
126	Fiber Optic System Modification	LS	1		
127	Traffic Control, Barricades	EACH	65		
128	Traffic Control, Channelizers	EACH	36		
129	Traffic Control, Message Boards	EACH	2		
130	Traffic Control, Pavement Marking, 4" White Temporary	LF	545		
131	Traffic Control, Signing	SF	575		
132	Trees	EACH	69		
133	Tree Stump Removal	EACH	41		
134	Tree Removal (Small)	EACH	10		
133	Chain-link Fence 48"	LF	900		
<b>Total of all Extended Prices for Unit Price Work</b> (subject to final adjustment based on actual quantities)					\$ -

The extended prices for Unit Price Work set forth as of the Effective Date of the Contract are based on estimated quantities. As provided in Paragraph 13.03 of the General Conditions, estimated quantities are not guaranteed, and determinations of actual quantities and classifications are to be made by Engineer.

#### ARTICLE 6—PAYMENT PROCEDURES

##### 6.01 *Submittal and Processing of Payments*

- A. Contractor shall submit Applications for Payment in accordance with Article 15 of the General Conditions. Applications for Payment will be processed by Engineer as provided in the General Conditions.

##### 6.02 *Progress Payments; Retainage*

- A. Owner shall make progress payments on the basis of Contractor's Applications for Payment monthly ~~on or about the [ordinal number, such as 5th] day of each month~~ during

performance of the Work as provided in ~~Paragraph 6.02.A.1~~ below, provided that such Applications for Payment have been submitted in a timely manner and otherwise meet the requirements of the Contract. All such payments will be measured by the Schedule of Values established as provided in the General Conditions (and in the case of Unit Price Work based on the number of units completed) or, in the event there is no Schedule of Values, as provided elsewhere in the Contract.

1. ~~Prior to Substantial Completion, progress payments will be made in an amount equal to the percentage indicated below but, in each case, less the aggregate of payments previously made and less such amounts as Owner may withhold, including but not limited to liquidated damages, in accordance with the Contract.~~

a. ~~95 percent of the value of the Work completed (with the balance being retainage).~~

1) ~~If 50 percent or more of the Work has been completed, as determined by Engineer, and if the character and progress of the Work have been satisfactory to Owner and Engineer, then as long as the character and progress of the Work remain satisfactory to Owner and Engineer, there will be no additional retainage; and~~

b. ~~100 percent of cost of materials and equipment not incorporated in the Work (with the balance being retainage).~~

B. ~~Upon Substantial Completion, Owner shall pay an amount sufficient to increase total payments to Contractor to 95 percent of the Work completed, less such amounts set off by Owner pursuant to Paragraph 15.01.E of the General Conditions, and less 150 percent of Engineer's estimate of the value of Work to be completed or corrected as shown on the punch list of items to be completed or corrected prior to final payment.~~

C. In accordance with the Missouri Prompt Pay Act (8.960 RSMo), the Owner may withhold payment for any of the following reasons, or as determined by the engineer.

1. Liquidated damages
2. Unsatisfactory job progress
3. Defective construction work or material not remedied
4. Disputed work
5. Failure to comply with any material provision of the contract
6. Third party claims filed or reasonable evidence that a claim will be filed
7. Failure to make timely payments for labor, equipment or materials
8. Damage to a contractor, subcontractor or material supplier
9. Reasonable evidence that a subcontractor or material supplier cannot be fully compensated under its contract with the contractor for the unpaid balance of the contract sum
10. Citation by the enforcing authority for acts of the contractor or subcontractor which do not comply with any material provision of the contract and which result in a violation of any federal, state or local law, regulation or ordinance applicable to that project causing additional costs or damages to the owner.

6.03 *Final Payment*

- A. Upon final completion and acceptance of the Work, Owner shall pay the remainder of the Contract Price in accordance with Paragraph 15.06 of the General Conditions.

6.04 *Consent of Surety*

- A. Owner will not make final payment, ~~or return or release retainage at Substantial Completion or any other time~~, unless Contractor submits written consent of the surety to such payment, ~~return, or release~~.

6.05 *Interest*

- A. All amounts not paid when due will bear interest at the rate as specified by Missouri State Statute, RSMo 8.960.

**ARTICLE 7—CONTRACT DOCUMENTS**

7.01 *Contents*

- A. The Contract Documents consist of all of the following:
1. This Agreement.
  2. Bonds:
    - a. Performance bond (together with power of attorney).
    - b. Payment bond (together with power of attorney).
  3. General Conditions.
  4. Supplementary Conditions.
  5. Specifications as listed in the table of contents of the project manual (copy of list attached).
  6. Drawings (not attached but incorporated by reference) consisting of **219** sheets with each sheet bearing the following general title: Douglas Street Improvements
  7. Addenda (numbers **[number]** to **[number]**, inclusive).
  8. The following which may be delivered or issued on or after the Effective Date of the Contract and are not attached hereto:
    - a. Notice to Proceed.
    - b. Work Change Directives.
    - c. Change Orders.
    - d. Field Orders.
    - e. Warranty Bond, if any.
  9. Price Indexing Statements, C-605
- B. The Contract Documents listed in Paragraph 7.01.A are attached to this Agreement (except as expressly noted otherwise above).
- C. There are no Contract Documents other than those listed above in this Article 7.

- D. The Contract Documents may only be amended, modified, or supplemented as provided in the Contract.

## ARTICLE 8—REPRESENTATIONS, CERTIFICATIONS, AND STIPULATIONS

### 8.01 *Contractor's Representations*

- A. In order to induce Owner to enter into this Contract, Contractor makes the following representations:
1. Contractor has examined and carefully studied the Contract Documents, including Addenda.
  2. Contractor has visited the Site, conducted a thorough visual examination of the Site and adjacent areas, and become familiar with the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
  3. Contractor is familiar with all Laws and Regulations that may affect cost, progress, and performance of the Work.
  4. ~~Contractor has carefully studied the reports of explorations and tests of subsurface conditions, if any, at or adjacent to the Site and the drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, with respect to the Technical Data in such reports and drawings.~~
  5. ~~Contractor has carefully studied the reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, with respect to Technical Data in such reports and drawings.~~
  6. Contractor has considered the information known to Contractor itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Contract Documents; and the Technical Data identified in the Supplementary Conditions or by definition, with respect to the effect of such information, observations, and Technical Data on (a) the cost, progress, and performance of the Work; (b) the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor; and (c) Contractor's safety precautions and programs.
  7. Based on the information and observations referred to in the preceding paragraph, Contractor agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.
  8. Contractor is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Contract Documents.
  9. Contractor has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Contractor has discovered in the Contract Documents, and of discrepancies between Site conditions and the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.

10. The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.
11. Contractor's entry into this Contract constitutes an incontrovertible representation by Contractor that without exception all prices in the Agreement are premised upon performing and furnishing the Work required by the Contract Documents.

#### 8.02 *Contractor's Certifications*

- A. Pursuant to Section 34.600, RSMo., and to the fullest extent permitted by law, Contractor certifies that it is not engaged in a boycott of Israel as of the Effective Date of this Agreement, and agrees for the duration of this Agreement to not engage in a boycott of Israel.
- B. Contractor certifies that it has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for or in executing the Contract. For the purposes of this Paragraph 8.02:
  1. "corrupt practice" means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process or in the Contract execution;
  2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process or the execution of the Contract to the detriment of Owner, (b) to establish Bid or Contract prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
  3. "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish Bid prices at artificial, non-competitive levels; and
  4. "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

#### 8.03 *Standard General Conditions*

- A. Owner stipulates that if the General Conditions that are made a part of this Contract are EJCDC® C-700, Standard General Conditions for the Construction Contract (2018), published by the Engineers Joint Contract Documents Committee, and if Owner is the party that has furnished said General Conditions, then Owner has plainly shown all modifications to the standard wording of such published document to the Contractor, through a process such as highlighting or "track changes" (redline/strikeout), or in the Supplementary Conditions.

#### 8.04 *Other Provisions*

- A. This Agreement and all work related to this Project shall be governed by the laws of the State of Missouri and shall be litigated and/or mediated in Jackson County, Missouri.

IN WITNESS WHEREOF, Owner and Contractor have signed this Agreement.

This Agreement will be effective on \_\_\_\_\_, **2026** (which is the Effective Date of the Contract).

Owner:

Contractor:

**City of Lee's Summit, Missouri**

*(typed or printed name of organization)*

*(typed or printed name of organization)*

By:

\_\_\_\_\_

*(individual's signature)*

By:

\_\_\_\_\_

*(individual's signature)*

Date:

\_\_\_\_\_

*(date signed)*

Date:

\_\_\_\_\_

*(date signed)*

Name:

Mark Dunning

*(typed or printed)*

Name:

\_\_\_\_\_

*(typed or printed)*

Title:

City Manager

*(typed or printed)*

Title:

\_\_\_\_\_

*(typed or printed)*

*(If [Type of Entity] is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.)*

Attest:

\_\_\_\_\_

*(individual's signature)*

Attest:

\_\_\_\_\_

*(individual's signature)*

Title:

City Clerk

*(typed or printed)*

Title:

\_\_\_\_\_

*(typed or printed)*

Address for giving notices:

Address for giving notices:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Designated Representative:

Designated Representative:

Name:

George M. Binger III

*(typed or printed)*

Name:

\_\_\_\_\_

*(typed or printed)*

Title:

City Engineer

*(typed or printed)*

Title:

\_\_\_\_\_

*(typed or printed)*

Address:

Address:

220 SE Green Street

Lee's Summit, MO 64063

Phone:

816.969.1800

Phone:

\_\_\_\_\_

Email:

\_\_\_\_\_

Email:

\_\_\_\_\_

APPROVED AS TO FORM:

License No.:

*(where applicable)*

\_\_\_\_\_  
Office of the City Attorney

State:

\_\_\_\_\_

SECTION 01120

MEASUREMENT AND PAYMENT

Addendum No. 4

PART 1 GENERAL

1.01 REQUIREMENTS INCLUDED AND DEFINITIONS

- A. The term “all costs”, as used in the payment descriptions within Part 2, is defined as full compensation for all equipment, labor, material and incidental costs.
- B. The Work of this Contract (and subsequent payment) consists of furnishing all equipment, labor, material and incidentals, as well as performing all construction, installation and testing of all improvements, modifications and additions, all as shown on the Drawings and detailed in the Specifications.
- C. All work shown on the Drawings or detailed in the Specifications and not specifically set forth in Article 5 of the Agreement as a pay item shall be considered a subsidiary obligation of the Contractor, and all costs in connection therewith shall be included in the prices named in the proposal.
- D. Progress measurements (for progress payments on the pay applications) shall be determined by the amount of work performed during a given period.
  - 1. Payments for items with a lump sum unit shall be based on one of the three options below, with the payment method being agreed upon by all parties.
    - i. Field measured to determine the actual value.
    - ii. An estimated value of the work performed.
    - iii. Pro-rated over the life of the contract, based off contract time or based off the total value of work performed percentage.
  - 2. Payments for items with a unit that may be measured to the tenth may be paid to the tenth. However, rounding will only occur during the final pay application and shall not be applied to any progress measurements.
- E. Final measurement is to be applied to the final pay application. Items not requiring final measurement will pay the full amount in Article 5 of the Agreement, unless appreciable errors are found or changes are authorized by the Owner.
- F. Rounding shall be performed during the final pay application, and rounding shall be to the nearest whole number, with 0 thru 4 being rounded down, and 5 thru 9 being rounded up. The following items will not be rounded, and shall be paid to the nearest tenth:
  - 1. Seed and temporary surfacing.

## PART 2 PAY ITEMS (NUMBERED BY BID ITEM)

### 2.01 CLEARING AND GRUBBING

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for clearing and grubbing shall be based on the lump sum price as set forth in the Agreement. Said price shall include all costs necessary to complete the work including, but not limited to haul-off, demolishing, removing, and disposing of all shrubs, bushes, stumps and roots of existing or previously removed vegetation, including subsurface roots within the Site, unless included in other items of work, as required by the drawings and specifications.

### 2.02 DEMOLITION AND REMOVAL

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for demolition and removal shall be based on the lump sum price as set forth in the Agreement. Said price shall include all costs necessary to complete the work including, but not limited to haul-off, demolishing, removing, disposing, plugging and capping of all structures and improvements, such as existing pavement, curb, sidewalk, pipes and structures (such as sanitary, storm and water) fences, poles, and footings within the Site, unless included in other items of work, as required by the drawings and specifications.

### 2.03 MOBILIZATION

- A. Partial payment for the mobilization pay item will be based on the contract lump sum bid price for mobilization and will be made in accordance with the following Payment Schedule:
  - 1. Twenty-five percent, when five percent or more of the original contract amount is earned.
  - 2. Fifty percent, when ten percent or more of the original contract amount is earned.
  - 3. Seventy-five percent, when twenty-five percent or more of the original contract amount is earned.
  - 4. One-hundred percent, when fifty percent or more of the original contract amount is earned.

### 2.04 UNCLASSIFIED EXCAVATION

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for unclassified excavation shall be based on the unit price per cubic yard as set forth in the Agreement. The quantity in the Agreement identifies the cut volume computed from the cross sections and includes the existing pavement section in the calculation. Said price shall include all costs necessary to complete the work including, but not limited to, roadway grading, excavation of whatever material is encountered (earth, shale, limestone), loading, hauling, placement, compaction, subgrade preparation and reconstruction, topsoil removal or placement, as required by the drawings and specifications.

### 2.05 EMBANKMENT WITH EXCAVATED MATERIAL

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for embankment shall be based on the unit price per cubic yard as set forth in the Agreement. The quantity in the Agreement identifies the compacted in-place fill volume computed from the cross sections. Said price shall include all costs necessary to complete the work including, but not limited to, roadway grading, loading, material manipulation, placement, compacting, finish grading, subgrade preparation, and topsoil replacement (including additional materials to sustain plant growth), as required by the drawings and specifications.

2.06 GEOGRID FOR SUBGRADE STABILIZATION

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for geogrid shall be based on the unit price per square yard as set forth in the Agreement, per type of material and thickness of the installed item. Said price shall include all costs necessary to complete the work as required by the drawings and specifications.

2.07 AGGREGATE BASE (4") (MODOT TYPE 5)

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for aggregate shall be based on the unit price per square yard as set forth in the Agreement, per type of material and thickness of the installed item. Said price shall include all costs necessary to complete the work including, but not limited to, placing, compacting, rolling, watering, maintaining and removing, as required by the drawings and specifications.

2.08 AGGREGATE BASE (6") (MODOT TYPE 5)

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for aggregate shall be based on the unit price per square yard as set forth in the Agreement, per type of material and thickness of the installed item. Said price shall include all costs necessary to complete the work including, but not limited to, placing, compacting, rolling, watering, maintaining and removing, as required by the drawings and specifications.

2.09 8" CONCRETE PAVEMENT (KCMMB 4K)

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for pavement shall be based on the unit price per square yard as set forth in the Agreement, per type of pavement and thickness of the installed item. Said price shall include all costs necessary to complete the work including, but not limited to, forming, reinforcing, placing, compacting, saw cutting, connections to existing pavement, milling, doweling, jointing, curing and sealing, as required by the drawings and specifications.

2.10 4" CONCRETE SIDEWALK

- A. Final measurement will be based on the square yard of the completed and installed item.

- B. Payment for sidewalks shall be based on the unit price per square yard as set forth in the Agreement, per thickness of the installed item. Said price shall include all costs necessary to complete the work including, but not limited to, placing, compacting, aggregate course, saw cutting, milling, doweling, jointing, curing and sealing, as required by the drawings and specifications.

2.11 ADA RAMPS (ALL TYPES)

- A. Final measurement will be based on each completed and installed item.
- B. Payment for ramps shall be based on the unit price per each as set forth in the Agreement, per type of installed item. Said price shall include all costs necessary to complete the work including, but not limited to, subgrade preparation, aggregate course, forming, placing, compacting, saw cutting, milling, doweling, jointing, detectable warning surface, six inch thick ramp transitions or turning spaces, integral sidewalk curb, mortar work, curing and sealing, as required by the drawings and specifications.

2.12 6" CONCRETE SHARED-USE PATH

- A. Final measurement will be based on the square yard of the completed and installed item.
- B. Payment for multi use paths shall be based on the unit price per square yard as set forth in the Agreement, per type of path and thickness of the installed item. Said price shall include all costs necessary to complete the work including, but not limited to, forming, reinforcing, placing, compacting, saw cutting, milling, doweling, jointing, curing and sealing, as required by the drawings and specifications.

2.13 6" CONCRETE (RESIDENTIAL DRIVE)

- A. Final measurement will be based on the square yard of the completed and installed item.
- B. Payment for driveways shall be based on the unit price per square yard as set forth in the Agreement, per type of pavement and thickness of the installed item. Said price shall include all costs necessary to complete the work including, but not limited to, reinforcing, compacting, saw cutting, milling, doweling, jointing, curing and sealing, as required by the drawings and specifications.

2.14 8" CONCRETE (COMMERICAL DRIVE)

- A. Final measurement will be based on the square yard of the completed and installed item.
- B. Payment for driveways shall be based on the unit price per square yard as set forth in the Agreement, per type of pavement and thickness of the installed item. Said price shall include all costs necessary to complete the work including, but not limited to, reinforcing, compacting, saw cutting, milling, doweling, jointing, curing and sealing, as required by the drawings and specifications.

2.15 CURB AND GUTTER TYPE CG-1

- A. Final measurement will not be made unless changes to the bid quantity are authorized.

- B. Payment for curb and gutter shall be based on the unit price per linear foot as set forth in the Agreement, per the type of curb and gutter. Said price shall include all costs necessary to complete the work including, but not limited to, subgrade preparation, forming, reinforcing, placing, doweling, jointing, throat construction, deflector construction, weep holes, finishing, curing and backfilling, as required by the drawings and specifications.

2.16 CURB AND GUTTER TYPE CG-2

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for curb and gutter shall be based on the unit price per linear foot as set forth in the Agreement, per the type of curb and gutter. Said price shall include all costs necessary to complete the work including, but not limited to, subgrade preparation, forming, reinforcing, placing, doweling, jointing, throat construction, deflector construction, weep holes, finishing, curing and backfilling, as required by the drawings and specifications.

2.17 CURB TYPE C-1

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for curb and gutter shall be based on the unit price per linear foot as set forth in the Agreement, per the type of curb and gutter. Said price shall include all costs necessary to complete the work including, but not limited to, subgrade preparation, forming, reinforcing, placing, doweling, jointing, throat construction, deflector construction, weep holes, finishing, curing and backfilling, as required by the drawings and specifications.

2.18 CURB TYPE C-1 MODIFIED

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for curb and gutter shall be based on the unit price per linear foot as set forth in the Agreement, per the type of curb and gutter. Said price shall include all costs necessary to complete the work including, but not limited to, subgrade preparation, forming, reinforcing, placing, doweling, jointing, throat construction, deflector construction, weep holes, finishing, curing and backfilling, as required by the drawings and specifications.

2.19 CURB TYPE S

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for curb and gutter shall be based on the unit price per linear foot as set forth in the Agreement, per the type of curb and gutter. Said price shall include all costs necessary to complete the work including, but not limited to, subgrade preparation, forming, reinforcing, placing, doweling, jointing, throat construction, deflector construction, weep holes, finishing, curing and backfilling, as required by the drawings and specifications.

2.20 STORM SEWER CURB INLET (8' X 4')

- A. Final measurement will be based on each completed and installed item.

- B. Payment for storm sewer structures shall be based on the unit price per each as set forth in the Agreement, per type or size of structure. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), bedding, placing or building structure, invert construction, structure to pipe connections, weep holes, small subgrade drainage pipes, trash guards, final grade adjustments to the top, lift hook concealment, sealing, curing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.21 STORM SEWER CURB INLET (8' X 5')

- A. Final measurement will be based on each completed and installed item.
- B. Payment for storm sewer structures shall be based on the unit price per each as set forth in the Agreement, per type or size of structure. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), bedding, placing or building structure, invert construction, structure to pipe connections, weep holes, small subgrade drainage pipes, trash guards, final grade adjustments to the top, lift hook concealment, sealing, curing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.22 STORM SEWER CURB INLET (6' X 4')

- A. Final measurement will be based on each completed and installed item.
- B. Payment for storm sewer structures shall be based on the unit price per each as set forth in the Agreement, per type or size of structure. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), bedding, placing or building structure, invert construction, structure to pipe connections, weep holes, small subgrade drainage pipes, trash guards, final grade adjustments to the top, lift hook concealment, sealing, curing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.23 MODIFIED STORM SEWER INLET (6' X 4')

- A. Final measurement will be based on each completed and installed item.
- B. Payment for storm sewer structures shall be based on the unit price per each as set forth in the Agreement, per type or size of structure. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), bedding, placing or building structure, invert construction, structure to pipe connections, weep holes, small subgrade drainage pipes, trash guards, final grade adjustments to the top, lift hook concealment, sealing, curing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.24 MODIFIED STORM SEWER INLET (5' X 4')

- A. Final measurement will be based on each completed and installed item.
- B. Payment for storm sewer structures shall be based on the unit price per each as set forth in the Agreement, per type or size of structure. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), bedding,

placing or building structure, invert construction, structure to pipe connections, weep holes, small subgrade drainage pipes, trash guards, final grade adjustments to the top, lift hook concealment, sealing, curing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.25 MODIFIED STORM SEWER INLET (5' X 5')

- A. Final measurement will be based on each completed and installed item.
- B. Payment for storm sewer structures shall be based on the unit price per each as set forth in the Agreement, per type or size of structure. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), bedding, placing or building structure, invert construction, structure to pipe connections, weep holes, small subgrade drainage pipes, trash guards, final grade adjustments to the top, lift hook concealment, sealing, curing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.26 STORM SEWER CURB INLET (5' X 3')

- A. Final measurement will be based on each completed and installed item.
- B. Payment for storm sewer structures shall be based on the unit price per each as set forth in the Agreement, per type or size of structure. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), bedding, placing or building structure, invert construction, structure to pipe connections, weep holes, small subgrade drainage pipes, trash guards, final grade adjustments to the top, lift hook concealment, sealing, curing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.27 STORM SEWER JUNCTION BOX (5')

- A. Final measurement will be based on each completed and installed item.
- B. Payment for storm sewer structures shall be based on the unit price per each as set forth in the Agreement, per type or size of structure. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), bedding, placing or building structure, invert construction, structure to pipe connections, weep holes, small subgrade drainage pipes, trash guards, final grade adjustments to the top, lift hook concealment, sealing, curing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.28 STORM SEWER JUNCTION BOX (7')

- A. Final measurement will be based on each completed and installed item.
- B. Payment for storm sewer structures shall be based on the unit price per each as set forth in the Agreement, per type or size of structure. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), bedding, placing or building structure, invert construction, structure to pipe connections, weep holes, small subgrade drainage pipes, trash guards, final grade adjustments to the top, lift hook

concealment, sealing, curing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.29 STORM SEWER PIPE (15") RCP OR PP

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for storm sewer pipe shall be based on the unit price per linear foot as set forth in the Agreement, per type or size of pipe. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), bedding, placing, pipe to pipe connections, sealing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.30 STORM SEWER PIPE (18") RCP OR PP

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for storm sewer pipe shall be based on the unit price per linear foot as set forth in the Agreement, per type or size of pipe. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), bedding, placing, pipe to pipe connections, sealing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.31 STORM SEWER PIPE (24") RCP OR PP

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for storm sewer pipe shall be based on the unit price per linear foot as set forth in the Agreement, per type or size of pipe. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), bedding, placing, pipe to pipe connections, sealing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.32 STORM SEWER PIPE (30") RCP OR PP

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for storm sewer pipe shall be based on the unit price per linear foot as set forth in the Agreement, per type or size of pipe. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), bedding, placing, pipe to pipe connections, sealing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.33 STORM SEWER PIPE (36") RCP OR PP

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for storm sewer pipe shall be based on the unit price per linear foot as set forth in the Agreement, per type or size of pipe. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), bedding,

placing, pipe to pipe connections, sealing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.34 STORM SEWER PIPE (42") RCP OR PP

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for storm sewer pipe shall be based on the unit price per linear foot as set forth in the Agreement, per type or size of pipe. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), bedding, placing, pipe to pipe connections, sealing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.35 STORM SEWER PIPE (36") RCP

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for storm sewer pipe shall be based on the unit price per linear foot as set forth in the Agreement, per type or size of pipe. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), bedding, placing, pipe to pipe connections, sealing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.36 STORM SEWER PIPE (42") RCP

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for storm sewer pipe shall be based on the unit price per linear foot as set forth in the Agreement, per type or size of pipe. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), bedding, placing, pipe to pipe connections, sealing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.37 PIPE COLLAR FOR 18" PIPE

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for pipe collar shall be based on the unit price per each as set forth in the Agreement, per type or size of collar. Said price shall include all costs necessary to complete the work, as required by the drawings and specifications.

2.38 PIPE COLLAR FOR 30" PIPE

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for pipe collar shall be based on the unit price per each as set forth in the Agreement, per type or size of collar. Said price shall include all costs necessary to complete the work, as required by the drawings and specifications.

2.39 PIPE COLLAR FOR 36" PIPE

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for pipe collar shall be based on the unit price per each as set forth in the Agreement, per type or size of collar. Said price shall include all costs necessary to complete the work, as required by the drawings and specifications.

2.40 PIPE COLLAR FOR 42" PIPE

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for pipe collar shall be based on the unit price per each as set forth in the Agreement, per type or size of collar. Said price shall include all costs necessary to complete the work, as required by the drawings and specifications.

2.41 FLOWABLE FILL FOR ABANDONED PIPES

- A. Final measurement will be based on each completed and installed item.
- B. Effective immediately, contractors are required to use flowable backfill (CLSM) in trenches that are less than 24 inches wide and around structures such as manholes, inlets, junction boxes, and vaults. Refer to section 2102.4.J.6-7 for detailed specifications.
- C. Payment shall be based on the unit price per cubic yard (CY) of flowable fill as set forth in the Agreement. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation, flowable fill, pumping, and removal of excess or unsuitable material as required by the drawings and specifications. Payment will be based on flowable fill placed in abandoned pipe as called out on the plans only.

2.42 SANITARY SEWER FRAME AND COVER REPLACEMENT

- A. Final measurement will be based on each completed and installed item.
- B. Payment for sanitary sewer structures shall be based on the unit price per each as set forth in the Agreement, per type or size of structure. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), by pass pumping, bedding, placing or building structure, invert construction, structure to pipe stub and collar connections, cover replacement, final grade adjustments to the top, sealing, curing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.43 SANITARY SEWER PIPE ENCASEMENT

- A. Final measurement will be based on the volume of the completed and installed item.
- B. Payment for encasement shall be based on the unit price per cubic yard as set forth in the Agreement, per type of encasement. Said price shall include all costs necessary to complete the work as required by the drawings and specifications.

2.44 SOD

- A. Final measurement will be based on the square yard of the completed and installed item.

- B. Payment for sod shall be based on the unit price per square yard as set forth in the Agreement. Said price shall include all costs necessary to complete the work including, but not limited to, aeration, fertilization, rolling and watering.

2.45 TOPSOIL

- A. Final measurement will be based on the square yard of the completed and installed item.
- B. Payment for topsoil shall be based on the unit price per square yard as set forth in the Agreement. Said price shall include all costs necessary to complete the work including, but not limited to topsoil, as required by the drawings and specifications.

2.46 1" PVC WATER MAIN

- A. Final measurement will be based on the centerline length of the completed and installed item.
- B. Payment for water line pipe shall be based on the unit price per linear foot as set forth in the Agreement, per type or size of pipe. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), dewatering, trench checks, bedding, polyethylene encasement, placing, pipe to pipe connections, restraint measures, flushing, disinfection, pressure testing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications. In locations where tree roots or other obstructions make traditional trenching impractical, the contractor shall determine and utilize appropriate trenchless installation methods to complete the work, such as boring or drilling, while meeting all project requirements; the engineer does not specify means or methods, and all associated costs shall be included in the unit price per linear foot.

2.47 3/4" COPPER WATER MAIN SERVICE

- A. Final measurement will be based on the centerline length of the completed and installed item.
- B. Payment for water line pipe shall be based on the unit price per linear foot as set forth in the Agreement, per type or size of pipe. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), dewatering, trench checks, bedding, polyethylene encasement, placing, pipe to pipe connections, restraint measures, flushing, disinfection, pressure testing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications. In locations where tree roots or other obstructions make traditional trenching impractical, the contractor shall determine and utilize appropriate trenchless installation methods to complete the work, such as boring or drilling, while meeting all project requirements; the engineer does not specify means or methods, and all associated costs shall be included in the unit price per linear foot.

2.48 6" PVC WATER MAIN

- A. Final measurement will be based on the centerline length of the completed and installed item.
- B. Payment for water line pipe shall be based on the unit price per linear foot as set forth in the Agreement, per type or size of pipe. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), dewatering, trench

checks, bedding, polyethylene encasement, placing, pipe to pipe connections, restraint measures, flushing, disinfection, pressure testing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications. In locations where tree roots or other obstructions make traditional trenching impractical, the contractor shall determine and utilize appropriate trenchless installation methods to complete the work, such as boring or drilling, while meeting all project requirements; the engineer does not specify means or methods, and all associated costs shall be included in the unit price per linear foot.

2.49 8" PVC WATER MAIN

- A. Final measurement will be based on the centerline length of the completed and installed item.
- B. Payment for water line pipe shall be based on the unit price per linear foot as set forth in the Agreement, per type or size of pipe. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), dewatering, trench checks, bedding, polyethylene encasement, placing, pipe to pipe connections, restraint measures, flushing, disinfection, pressure testing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications. In locations where tree roots or other obstructions make traditional trenching impractical, the contractor shall determine and utilize appropriate trenchless installation methods to complete the work, such as boring or drilling, while meeting all project requirements; the engineer does not specify means or methods, and all associated costs shall be included in the unit price per linear foot.

2.50 6" GATE VALVES

- A. Final measurement will be based on each completed and installed item.
- B. Payment for water line valves shall be based on the unit price per each as set forth in the Agreement, per type or size of valve. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), dewatering, bedding, polyethylene encasement, placing, pipe to valve connections, restraint measures, flushing, disinfection, pressure testing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.51 8" GATE VALVES

- A. Final measurement will be based on each completed and installed item.
- B. Payment for water line valves shall be based on the unit price per each as set forth in the Agreement, per type or size of valve. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), dewatering, bedding, polyethylene encasement, placing, pipe to valve connections, restraint measures, flushing, disinfection, pressure testing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.52 8" WATER MAIN 45 BENDS

- A. Final measurement will be based on each completed and installed item.

- B. Payment for water line fittings shall be based on the unit price per each as set forth in the Agreement, per type or size of fitting. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), dewatering, bedding, polyethylene encasement, placing, pipe to fitting connections, restraint measures, flushing, disinfection, pressure testing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.53 8" WATER MAIN 11.25 BENDS

- A. Final measurement will be based on each completed and installed item.
- B. Payment for water line fittings shall be based on the unit price per each as set forth in the Agreement, per type or size of fitting. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), dewatering, bedding, polyethylene encasement, placing, pipe to fitting connections, restraint measures, flushing, disinfection, pressure testing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.54 8" WATER MAIN 90 BENDS

- A. Final measurement will be based on each completed and installed item.
- B. Payment for water line fittings shall be based on the unit price per each as set forth in the Agreement, per type or size of fitting. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), dewatering, bedding, polyethylene encasement, placing, pipe to fitting connections, restraint measures, flushing, disinfection, pressure testing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.55 8" X 8" WATER MAIN TEE

- A. Final measurement will be based on each completed and installed item.
- B. Payment for water line fittings shall be based on the unit price per each as set forth in the Agreement, per type or size of fitting. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), dewatering, bedding, polyethylene encasement, placing, pipe to fitting connections, restraint measures, flushing, disinfection, pressure testing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.56 6" X 8" WATER MAIN TEE

- A. Final measurement will be based on each completed and installed item.
- B. Payment for water line fittings shall be based on the unit price per each as set forth in the Agreement, per type or size of fitting. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), dewatering, bedding, polyethylene encasement, placing, pipe to fitting connections, restraint measures, flushing, disinfection, pressure testing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.57 8" X 8" WATER MAIN CROSS

- A. Final measurement will be based on each completed and installed item.
- B. Payment for water line fittings shall be based on the unit price per each as set forth in the Agreement, per type or size of fitting. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), dewatering, bedding, polyethylene encasement, placing, pipe to fitting connections, restraint measures, flushing, disinfection, pressure testing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.58 6" X 8" WATER MAIN REDUCER

- A. Final measurement will be based on each completed and installed item.
- B. Payment for water line fittings shall be based on the unit price per each as set forth in the Agreement, per type or size of fitting. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), dewatering, bedding, polyethylene encasement, placing, pipe to fitting connections, restraint measures, flushing, disinfection, pressure testing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.59 4" X 8" WATER MAIN REDUCER

- A. Final measurement will be based on each completed and installed item.
- B. Payment for water line fittings shall be based on the unit price per each as set forth in the Agreement, per type or size of fitting. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), dewatering, bedding, polyethylene encasement, placing, pipe to fitting connections, restraint measures, flushing, disinfection, pressure testing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.60 10" X 8" WATER MAIN REDUCER

- A. Final measurement will be based on each completed and installed item.
- B. Payment for water line fittings shall be based on the unit price per each as set forth in the Agreement, per type or size of fitting. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), dewatering, bedding, polyethylene encasement, placing, pipe to fitting connections, restraint measures, flushing, disinfection, pressure testing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.61 12" X 8" WATER MAIN REDUCER

- A. Final measurement will be based on each completed and installed item.
- B. Payment for water line fittings shall be based on the unit price per each as set forth in the Agreement, per type or size of fitting. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), dewatering,

bedding, polyethylene encasement, placing, pipe to fitting connections, restraint measures, flushing, disinfection, pressure testing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.62 8" WATER MAIN TAPPING PLUG

- A. Final measurement will be based on each completed and installed item.
- B. Payment for water line fittings shall be based on the unit price per each as set forth in the Agreement, per type or size of fitting. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), dewatering, bedding, polyethylene encasement, placing, pipe to fitting connections, restraint measures, flushing, disinfection, pressure testing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.63 8" WATER MAIN TAPPING SLEEVE

- A. Final measurement will be based on each completed and installed item.
- B. Payment for water line fittings shall be based on the unit price per each as set forth in the Agreement, per type or size of fitting. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), dewatering, bedding, polyethylene encasement, placing, pipe to fitting connections, restraint measures, flushing, disinfection, pressure testing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.64 1" WATER MAIN 45 BEND

- A. Final measurement will be based on each completed and installed item.
- B. Payment for water line fittings shall be based on the unit price per each as set forth in the Agreement, per type or size of fitting. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), dewatering, bedding, polyethylene encasement, placing, pipe to fitting connections, restraint measures, flushing, disinfection, pressure testing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.65 1" WATER MAIN 90 BEND

- A. Final measurement will be based on each completed and installed item.
- B. Payment for water line fittings shall be based on the unit price per each as set forth in the Agreement, per type or size of fitting. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), dewatering, bedding, polyethylene encasement, placing, pipe to fitting connections, restraint measures, flushing, disinfection, pressure testing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.66 8" SOLID SLEEVE

- A. Final measurement will be based on each completed and installed item.

- B. Payment for water line fittings shall be based on the unit price per each as set forth in the Agreement, per type or size of fitting. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), dewatering, bedding, polyethylene encasement, placing, pipe to fitting connections, restraint measures, flushing, disinfection, pressure testing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.67 6" WATER MAIN CAP

- A. Final measurement will be based on each completed and installed item.
- B. Payment for water line fittings shall be based on the unit price per each as set forth in the Agreement, per type or size of fitting. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), dewatering, bedding, polyethylene encasement, placing, pipe to fitting connections, restraint measures, flushing, disinfection, pressure testing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.68 WATER MAIN PLUG

- A. Final measurement will be based on each completed and installed item.
- B. Payment for water line fittings shall be based on the unit price per each as set forth in the Agreement, per type or size of fitting. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), dewatering, bedding, polyethylene encasement, placing, pipe to fitting connections, restraint measures, flushing, disinfection, pressure testing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.69 WATER METER INSTALLATIONS

- A. Final measurement will be based on each completed and installed item.
- B. Payment for water meter installation shall be based on the unit price per each as set forth in the Agreement. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), dewatering, bedding, polyethylene encasement, placing, pipe to pipe connections (including continuous copper pipe from meter to the main), restraint measures, flushing, disinfection, pressure testing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.
- C. Owner will supply new meter. Contractor shall supply all other parts and tap the line.
- D. If plans indicate the re-use of a water meter, Contractor shall supply all other parts. If Contractor cannot reuse the existing meter, Owner will supply a new meter. Contractor shall tap line.
- E. Payment for water meter removal and abandonment shall be subsidiary to water meter installations. Water meter removal and abandonment shall be completed as indicated on plans. This shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), dewatering, corp removal, capping at the main,

flushing, disinfection, pressure testing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.70 STRAIGHT SET FIRE HYDRANT

- A. Final measurement will be based on each completed and installed item.
- B. Payment for fire hydrant installation shall be based on the unit price per each as set forth in the Agreement. Said price shall include all costs necessary to complete the work including, but not limited to, all excavation (earth, rock, shale), dewatering, bedding, polyethylene encasement, placing, connection to main line, restraint measures, isolation valve, fittings, flushing, disinfection, pressure testing, backfilling, compacting, grading and removal of excess or unsuitable material, as required by the drawings and specifications.

2.71 SILT FENCE

- A. Final measurement will be based on measuring the linear footage of the completed and installed item.
- B. Payment for sediment control shall be based on the unit price as set forth in the Agreement, per linear foot for sediment fence. Said price shall include all costs necessary to complete and maintain the work including, but not limited to, the repair, maintenance and removal of installed devices, as well as the removal of sediment during the Work.

2.72 INLET PROTECTORS

- A. Final measurement will be based on counting the number of completed and installed items.
- B. Payment for sediment control shall be based on the unit price as set forth in the Agreement, per each for inlet protection. Said price shall include all costs necessary to complete and maintain the work including, but not limited to, the repair, maintenance and removal of installed devices, as well as the removal of sediment during the Work.

2.73 JUNCTION BOX PROTECTORS

- A. Final measurement will be based on counting the number of completed and installed items.
- B. Payment for sediment control shall be based on the unit price as set forth in the Agreement, per each for junction box protection. Said price shall include all costs necessary to complete and maintain the work including, but not limited to, the repair, maintenance and removal of installed devices, as well as the removal of sediment during the Work.

2.74 ALTERNATE DITCH CHECK

- A. Final measurement will be based on measuring the square footage of the completed and installed item.
- B. Payment for sediment control shall be based on the unit price as set forth in the Agreement, per square foot for ditch check. Said price shall include all costs necessary to complete and maintain the work including, but not limited to, the repair, maintenance and removal of installed devices, as well as the removal of sediment during the Work.

2.75 STREET LIGHTING, 14' POLE (P14)

- A. Final measurement will be based on each completed and installed item.
- B. Payment for poles shall be based on the unit price per each as set forth in the Agreement, per type or size of pole. Said price shall include all costs necessary to complete the work including, but not limited to, anchor bolts and break-away bases, as required by the drawings and specifications.

2.76 STREET LIGHTING, 30' POLE (P30S)

- A. Final measurement will be based on each completed and installed item.
- B. Payment for poles shall be based on the unit price per each as set forth in the Agreement, per type or size of pole. Said price shall include all costs necessary to complete the work including, but not limited to, anchor bolts and break-away bases, as required by the drawings and specifications.

2.77 STREET LIGHTING, BRACKET ARM, 6'

- A. Final measurement will be based on each completed and installed item.
- B. Payment for bracket arms shall be based on the unit price per each as set forth in the Agreement, per type or size of bracket arm. Said price shall include all costs necessary to complete the work as required by the drawings and specifications.

2.78 STREET LIGHTING, SCREW-IN-BASE, 14' POLE (B14)

- A. Final measurement will be based on each completed and installed item.
- B. Payment for bases shall be based on the unit price per each as set forth in the Agreement, per type or size of base. Said price shall include all costs necessary to complete the work including, but not limited to, reinforcing steel, hardware, connecting bolts and all specified materials, as required by the drawings and specifications. No separate payment will be made for bases installed in rock.
- C. In the event a concrete street light pole base is substituted for a screw-in anchor base, no additional payments will be made for the equipment, labor, materials and incidental costs to construct a suitable concrete base.

2.79 STREET LIGHTING, CONCRETE BASE, 30' POLE

- A. Final measurement will be based on each completed and installed item.
- B. Payment for bases shall be based on the unit price per each as set forth in the Agreement, per type or size of base. Said price shall include all costs necessary to complete the work including, but not limited to, reinforcing steel, hardware, connecting bolts and all specified materials, as required by the drawings and specifications. No separate payment will be made for bases installed in rock.

- C. In the event a concrete street light pole base is substituted for a screw-in anchor base, no additional payments will be made for the equipment, labor, materials and incidental costs to construct a suitable concrete base.

2.80 STREET LIGHTING, POST TOP LED LUMINAIRE

- A. Final measurement will be based on each completed and installed item.
- B. Payment for luminaires shall be based on the unit price per each as set forth in the Agreement, per type of luminaire. Said price shall include all costs necessary to complete the work as required by the drawings and specifications.

2.81 STREET LIGHTING, COBRAHEAD LED LUMINAIRE (CLASS 1)

- A. Final measurement will be based on each completed and installed item.
- B. Payment for luminaires shall be based on the unit price per each as set forth in the Agreement, per type of luminaire. Said price shall include all costs necessary to complete the work as required by the drawings and specifications.

2.82 STREET LIGHTING, 4 - CIRCUIT POWER SUPPLY ASSEMBLY

- A. Final measurement will be based on each completed and installed item.
- B. Payment for power supply assembly shall be based on the unit price per each as set forth in the Agreement, per type of power assembly. Said price shall include all costs necessary to complete the work including, but not limited to, photoelectric cell, contactor, circuit breakers, and lightning arrestor, as required by the drawings and specifications.

2.83 STREET LIGHTING, POWER SUPPLY CONCRETE BASE

- A. Final measurement will be based on each completed and installed item.
- B. Payment for bases shall be based on the unit price per each as set forth in the Agreement, per type or size of base. Said price shall include all costs necessary to complete the work including, but not limited to, reinforcing steel, hardware, connecting bolts and all specified materials, as required by the drawings and specifications. No separate payment will be made for bases installed in rock.
- C. In the event a concrete street light pole base is substituted for a screw-in anchor base, no additional payments will be made for the equipment, labor, materials and incidental costs to construct a suitable concrete base.

2.84 STREET LIGHTING, FIBER OPTIC PULL BOX

- A. Final measurement will be based on each completed and installed item.
- B. Payment for pull boxes shall be based on the unit price per each as set forth in the Agreement, per type or size of pull box. Said price shall include all costs necessary to complete the work including, but not limited to, covers and concrete pads, as required by the drawings and specifications.

2.85 STREET LIGHTING, CLASS I PULL BOX

- A. Final measurement will be based on each completed and installed item.
- B. Payment for pull boxes shall be based on the unit price per each as set forth in the Agreement, per type or size of pull box. Said price shall include all costs necessary to complete the work including, but not limited to, covers and concrete pads, as required by the drawings and specifications.

2.86 STREET LIGHTING, CLASS II JUNCTION BOX

- A. Final measurement will be based on each completed and installed item.
- B. Payment for pull boxes shall be based on the unit price per each as set forth in the Agreement, per type or size of pull box. Said price shall include all costs necessary to complete the work including, but not limited to, covers and concrete pads, as required by the drawings and specifications.

2.87 STREET LIGHTING, CLASS I JUNCTION BOX

- A. Final measurement will be based on each completed and installed item.
- B. Payment for pull boxes shall be based on the unit price per each as set forth in the Agreement, per type or size of pull box. Said price shall include all costs necessary to complete the work including, but not limited to, covers and concrete pads, as required by the drawings and specifications.

2.88 STREET LIGHTING, 2" HDPE LIGHTING CONDUIT (INSTALLED)

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for conduit shall be based on the unit price per linear foot as set forth in the Agreement, per type or size of conduit. Said price shall include all costs necessary to complete the work including, but not limited to, jointing, bends, fittings and tracer wire, as required by the drawings and specifications.
- C. No separate measurement and payment will be made for the method (i.e. hand digging, plowing, trenching or boring) of conduit installation, and no separate payment will be made for installation in rock.

2.89 STREET LIGHTING, 2" HDPE FIBER OPTIC CONDUIT (INSTALLED)

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for conduit shall be based on the unit price per linear foot as set forth in the Agreement, per type or size of conduit. Said price shall include all costs necessary to complete the work including, but not limited to, jointing, bends, fittings and tracer wire, as required by the drawings and specifications.

- C. No separate measurement and payment will be made for the method (i.e. hand digging, plowing, trenching or boring) of conduit installation, and no separate payment will be made for installation in rock.

2.90 STREET LIGHTING, 3" PVC SCH 40 CONDUIT (INSTALLED)

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for conduit shall be based on the unit price per linear foot as set forth in the Agreement, per type or size of conduit. Said price shall include all costs necessary to complete the work including, but not limited to, jointing, bends, fittings and tracer wire, as required by the drawings and specifications.
- C. No separate measurement and payment will be made for the method (i.e. hand digging, plowing, trenching or boring) of conduit installation, and no separate payment will be made for installation in rock.

2.91 STREET LIGHTING, 3C#6 POWER CABLE

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for cable or wiring shall be based on the unit price per linear foot as set forth in the Agreement, per type or size of cable or wiring. Said price shall include all costs necessary to complete the work including, but not limited to, connectors, splicing, hardware, termination and tags, as required by the drawings and specifications.
- C. Slack shall be included in the bid quantity.

2.92 STREET LIGHTING, 3C#8 STREET LIGHT DISTRIBUTION CABLE

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for cable or wiring shall be based on the unit price per linear foot as set forth in the Agreement, per type or size of cable or wiring. Said price shall include all costs necessary to complete the work including, but not limited to, connectors, splicing, hardware, termination and tags, as required by the drawings and specifications.
- C. Slack shall be included in the bid quantity.

2.93 STREET LIGHTING, 3C#10 STREET LIGHT POLE AND BRACKET CABLE

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for cable or wiring shall be based on the unit price per linear foot as set forth in the Agreement, per type or size of cable or wiring. Said price shall include all costs necessary to complete the work including, but not limited to, connectors, splicing, hardware, termination and tags, as required by the drawings and specifications.
- C. Slack shall be included in the bid quantity.

2.94 STREET LIGHTING, MULTI-TAP CONNECTORS

- A. Final measurement will be based on each completed and installed item.
- B. Payment for multi-tap and break-away connectors shall be based on the unit price per each as set forth in the Agreement, per type or size of connector. Said price shall include all costs necessary to complete the work including, but not limited to, fuses, slugs, and insulating boots, as required by the drawings and specifications.

2.95 STREET LIGHTING, BREAK-AWAY FUSED CONNECTORS

- A. Final measurement will be based on each completed and installed item.
- B. Payment for multi-tap and break-away connectors shall be based on the unit price per each as set forth in the Agreement, per type or size of connector. Said price shall include all costs necessary to complete the work including, but not limited to, fuses, slugs, and insulating boots, as required by the drawings and specifications.

2.96 STREET LIGHTING, BREAK-AWAY NON-FUSED CONNECTORS

- A. Final measurement will be based on each completed and installed item.
- B. Payment for multi-tap and break-away connectors shall be based on the unit price per each as set forth in the Agreement, per type or size of connector. Said price shall include all costs necessary to complete the work including, but not limited to, fuses, slugs, and insulating boots, as required by the drawings and specifications.

2.97 PAVEMENT MARKING, 4" WHITE – HIGH BUILD PAINT

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for pavement marking (striping) shall be based on the unit price per linear foot as set forth in the Agreement, per width and type of stripe. Skip stripe payment shall be based on the linear footage of the applied stripe; gaps will not be measured. Payment for double yellow centerline shall be based on the linear footage of each stripe. Said price shall include all costs necessary to complete the work as required by the drawings and specifications.

2.98 PAVEMENT MARKING, 4" YELLOW – HIGH BUILD PAINT

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for pavement marking (striping) shall be based on the unit price per linear foot as set forth in the Agreement, per width and type of stripe. Skip stripe payment shall be based on the linear footage of the applied stripe; gaps will not be measured. Payment for double yellow centerline shall be based on the linear footage of each stripe. Said price shall include all costs necessary to complete the work as required by the drawings and specifications.

2.99 PAVEMENT MARKING, 6" WHITE – PREFORMED THERMOPLASTIC

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for pavement marking (striping) shall be based on the unit price per linear foot as set forth in the Agreement, per width and type of stripe. Skip stripe payment shall be based on

the linear footage of the applied stripe; gaps will not be measured. Payment for double yellow centerline shall be based on the linear footage of each stripe. Said price shall include all costs necessary to complete the work as required by the drawings and specifications.

2.100 PAVEMENT MARKING, 12" YELLOW – PREFORMED THERMOPLASTIC

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for pavement marking (striping) shall be based on the unit price per linear foot as set forth in the Agreement, per width and type of stripe. Skip stripe payment shall be based on the linear footage of the applied stripe; gaps will not be measured. Payment for double yellow centerline shall be based on the linear footage of each stripe. Said price shall include all costs necessary to complete the work as required by the drawings and specifications.

2.101 PAVEMENT MARKING, 24" WHITE – PREFORMED THERMOPLASTIC

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for pavement marking (striping) shall be based on the unit price per linear foot as set forth in the Agreement, per width and type of stripe. Skip stripe payment shall be based on the linear footage of the applied stripe; gaps will not be measured. Payment for double yellow centerline shall be based on the linear footage of each stripe. Said price shall include all costs necessary to complete the work as required by the drawings and specifications.

2.102 PAVEMENT MARKING, ARROW SYMBOL – PREFORMED THERMOPLASTIC

- A. Final measurement will be based on each completed and installed item.
- B. Payment for pavement marking (arrows) shall be based on the unit price per each as set forth in the Agreement, per single head arrow or multi headed arrow. Said price shall include all costs necessary to complete the work as required by the drawings and specifications.

2.103 SIGNS (PERMANENT)

- A. Final measurement will be based on the nearest 1/10 square foot of the installed sign face area and to the nearest square foot for the total of the completed and installed item.
- B. Payment for signs shall be based on the unit price per square foot as set forth in the Agreement. Said price shall include all costs necessary to complete the work including, but not limited to, sign blanks, sheeting and mounting hardware, as required by the drawings and specifications.

2.104 SIGN POSTS (PERMANENT)

- A. Final measurement will be based on each completed and installed item.
- B. Payment for sign posts shall be based on the unit price per each as set forth in the Agreement, per type of sign post. Said price shall include all costs necessary to complete the work including, but not limited to, all anchoring and breakaway hardware, as required by the drawings and specifications.

2.105 TRAFFIC SIGNAL, DEMOLITION AND REMOVAL

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for demolition and removal shall be based on the lump sum price as set forth in the Agreement. Said price shall include all costs necessary to complete the work including, but not limited to haul-off, demolishing, removing, and disposing, of all structures and improvements, such as poles, and footings within the Site, unless included in other items of work, as required by the drawings and specifications.

2.106 TRAFFIC SIGNAL, POLE RELOCATION

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for relocation and installation shall be based on the lump sum price as set forth in the Agreement. Said price shall include all costs necessary to complete the work including, but not limited to removing, relocating, temporary protection, and installation, of select traffic signal poles within the Site, unless included in other items of work, as required by the drawings and specifications.

2.107 TRAFFIC SIGNAL, PEDESTAL POLE (8')

- A. Final measurement will be based on each completed and installed item.
- B. Payment for poles shall be based on the unit price per each as set forth in the Agreement, per type or size of pole. Said price shall include all costs necessary to complete the work including, but not limited to, anchor bolts and break-away bases, as required by the drawings and specifications.

2.108 TRAFFIC SIGNAL, POLE BASE (TYPE B10)

- A. Final measurement will be based on each completed and installed item.
- B. Payment for bases shall be based on the unit price per each as set forth in the Agreement, per type or size of base. Said price shall include all costs necessary to complete the work including, but not limited to, reinforcing steel, hardware, connecting bolts and all specified materials, as required by the drawings and specifications. No separate payment will be made for bases installed in rock.
- C. In the event a concrete street light pole base is substituted for a screw-in anchor base, no additional payments will be made for the equipment, labor, materials and incidental costs to construct a suitable concrete base.

2.109 TRAFFIC SIGNAL, POLE BASE (TYPE C)

- A. Final measurement will be based on each completed and installed item.
- B. Payment for bases shall be based on the unit price per each as set forth in the Agreement, per type or size of base. Said price shall include all costs necessary to complete the work including, but not limited to, reinforcing steel, hardware, connecting bolts and all specified

materials, as required by the drawings and specifications. No separate payment will be made for bases installed in rock.

- C. In the event a concrete street light pole base is substituted for a screw-in anchor base, no additional payments will be made for the equipment, labor, materials and incidental costs to construct a suitable concrete base.

2.110 TRAFFIC SIGNAL, HEAD (TYPE H)

- A. Final measurement will be based on each completed and installed item.
- B. Payment for traffic signal heads shall be based on the unit price per each as set forth in the Agreement, per type of head. Said price shall include all costs necessary to complete the work including, but not limited to, backplates, visors and mounting hardware, as required by the drawings and specifications.

2.111 TRAFFIC SIGNAL, HEAD (TYPE M)

- A. Final measurement will be based on each completed and installed item.
- B. Payment for traffic signal heads shall be based on the unit price per each as set forth in the Agreement, per type of head. Said price shall include all costs necessary to complete the work including, but not limited to, backplates, visors and mounting hardware, as required by the drawings and specifications.

2.112 TRAFFIC SIGNAL, 2" HDPE CONDUIT

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for conduit shall be based on the unit price per linear foot as set forth in the Agreement, per type or size of conduit. Said price shall include all costs necessary to complete the work including, but not limited to, jointing, bends, fittings and tracer wire, as required by the drawings and specifications.
- C. No separate measurement and payment will be made for the method (i.e. hand digging, plowing, trenching or boring) of conduit installation, and no separate payment will be made for installation in rock.

2.113 TRAFFIC SIGNAL, 3" HDPE CONDUIT (INSTALLED)

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for conduit shall be based on the unit price per linear foot as set forth in the Agreement, per type or size of conduit. Said price shall include all costs necessary to complete the work including, but not limited to, jointing, bends, fittings and tracer wire, as required by the drawings and specifications.
- C. No separate measurement and payment will be made for the method (i.e. hand digging, plowing, trenching or boring) of conduit installation, and no separate payment will be made for installation in rock.

2.114 TRAFFIC SIGNAL, 4" HDPE CONDUIT (INSTALLED)

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for conduit shall be based on the unit price per linear foot as set forth in the Agreement, per type or size of conduit. Said price shall include all costs necessary to complete the work including, but not limited to, jointing, bends, fittings and tracer wire, as required by the drawings and specifications.
- C. No separate measurement and payment will be made for the method (i.e. hand digging, plowing, trenching or boring) of conduit installation, and no separate payment will be made for installation in rock.

2.115 TRAFFIC SIGNAL, CLASS II PULL BOX

- A. Final measurement will be based on each completed and installed item.
- B. Payment for pull boxes shall be based on the unit price per each as set forth in the Agreement, per type or size of pull box. Said price shall include all costs necessary to complete the work including, but not limited to, covers and concrete pads, as required by the drawings and specifications.

2.116 TRAFFIC SIGNAL, CLASS III PULL BOX

- A. Final measurement will be based on each completed and installed item.
- B. Payment for pull boxes shall be based on the unit price per each as set forth in the Agreement, per type or size of pull box. Said price shall include all costs necessary to complete the work including, but not limited to, covers and concrete pads, as required by the drawings and specifications.

2.117 TRAFFIC SIGNAL, FIBER OPTIC PULL BOX

- A. Final measurement will be based on each completed and installed item.
- B. Payment for pull boxes shall be based on the unit price per each as set forth in the Agreement, per type or size of pull box. Said price shall include all costs necessary to complete the work including, but not limited to, covers and concrete pads, as required by the drawings and specifications.

2.118 TRAFFIC SIGNAL, 1C#6 SOLID COPPER GROUND CABLE

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for cable or wiring shall be based on the unit price per linear foot as set forth in the Agreement, per type or size of cable or wiring. Said price shall include all costs necessary to complete the work including, but not limited to, connectors, splicing, hardware, termination and tags, as required by the drawings and specifications.
- C. Slack shall be included in the bid quantity.

2.119 TRAFFIC SIGNAL, 2C#8 LIGHTING POWER CABLE

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for cable or wiring shall be based on the unit price per linear foot as set forth in the Agreement, per type or size of cable or wiring. Said price shall include all costs necessary to complete the work including, but not limited to, connectors, splicing, hardware, termination and tags, as required by the drawings and specifications.
- C. Slack shall be included in the bid quantity.

2.120 TRAFFIC SIGNAL, 2C#14 CONTROL CABLE

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for cable or wiring shall be based on the unit price per linear foot as set forth in the Agreement, per type or size of cable or wiring. Said price shall include all costs necessary to complete the work including, but not limited to, connectors, splicing, hardware, termination and tags, as required by the drawings and specifications.
- C. Slack shall be included in the bid quantity.

2.121 TRAFFIC SIGNAL, 5C#14 CONTROL CABLE

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for cable or wiring shall be based on the unit price per linear foot as set forth in the Agreement, per type or size of cable or wiring. Said price shall include all costs necessary to complete the work including, but not limited to, connectors, splicing, hardware, termination and tags, as required by the drawings and specifications.
- C. Slack shall be included in the bid quantity.

2.122 TRAFFIC SIGNAL, 7C#14 CONTROL CABLE

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for cable or wiring shall be based on the unit price per linear foot as set forth in the Agreement, per type or size of cable or wiring. Said price shall include all costs necessary to complete the work including, but not limited to, connectors, splicing, hardware, termination and tags, as required by the drawings and specifications.
- C. Slack shall be included in the bid quantity.

2.123 TRAFFIC SIGNAL, APS PEDESTRIAN PUSHBUTTON DETECTORS

- A. Final measurement will be based on each completed and installed item.
- B. Payment for push button detectors shall be based on the unit price per each as set forth in the Agreement. Said price shall include all costs necessary to complete the work as required by the drawings and specifications.

2.124 TRAFFIC SIGNAL, SIGNS

- A. Final measurement will be based on the nearest 1/10 square foot of the installed sign face area and to the nearest square foot for the total of the completed and installed item.
- B. Payment for signs shall be based on the unit price per square foot as set forth in the Agreement. Said price shall include all costs necessary to complete the work including, but not limited to, sign blanks, sheeting and mounting hardware, as required by the drawings and specifications.

2.125 TRAFFIC SIGNAL EQUIPMENT MODIFICATION

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for equipment modification shall be based on the lump sum price as set forth in the Agreement. Said price shall include all costs necessary to complete the work including, but not limited to adjustment, modification, temporary protection, and installation, of select traffic signal equipment within the Site, unless included in other items of work, as required by the drawings and specifications.

2.126 FIBER OPTIC SYSTEM MODIFICATION

- A. Final measurement will not be made unless changes to the bid quantity are authorized.
- B. Payment for fiber optic equipment modification shall be based on the lump sum price as set forth in the Agreement. Said price shall include all costs necessary to complete the work including, but not limited to adjustment, modification, temporary protection, and installation, of select fiber optic equipment within the Site, unless included in other items of work, as required by the drawings and specifications.

2.127 TRAFFIC CONTROL, BARRICADES

- A. Final measurement will be based on each completed and installed item.
- B. Payment for traffic control barricades shall be based on the unit price per each as set forth in the Agreement, per type of barricade. Said price shall include all costs necessary to complete the work including, but not limited to, placing, maintaining, cleaning, relocation and reuse, as required by the drawings and specifications. Traffic control signs mounted on barricades will be paid under the traffic control signing bid item.

2.128 TRAFFIC CONTROL, CHANNELIZERS

- A. Final measurement will be based on each completed and installed item.
- B. Payment for traffic control channelizers shall be based on the unit price per each as set forth in the Agreement, per type of channelizer and the maximum number on the job. Said price shall include all costs necessary to complete the work including, but not limited to, placing, maintaining, cleaning, relocation and reuse, as required by the drawings and specifications.

2.129 TRAFFIC CONTROL, MESSAGE BOARDS

- A. Final measurement will be based on the total number of message boards used.
- B. Payment for variable message boards shall be based on the unit price per week as set forth in the Agreement, per number of boards. Said price shall include all costs necessary to complete the work including, but not limited to, mobilization, movement and programming, as required by the drawings and specifications.

2.130 TRAFFIC CONTROL, PAVEMENT MARKING, 4" WHITE TEMPORARY

- A. Final measurement will be based on the horizontal length of the completed and installed item.
- B. Payment for traffic control striping shall be based on the unit price per linear foot as set forth in the Agreement, per width or type of stripe. Skip stripe payment shall be based on the linear footage of the applied stripe; gaps will not be measured. Payment for double yellow centerline shall be based on the linear footage of each stripe. Said price shall include all costs necessary to complete the work, as required by the drawings and specifications.

2.131 TRAFFIC CONTROL, SIGNING

- A. Final measurement will be based on the sign face area (in square feet) of the completed and installed item.
- B. Payment for traffic control signs shall be based on the unit price per square foot as set forth in the Agreement. Said price shall include all costs necessary to complete the work including, but not limited to, post setting, posts, maintaining, cleaning, relocation and reuse, mounting and breakaway hardware, as required by the drawings and specifications.

2.132 TREES

- A. Final measurement will be based on each completed and installed item.
- B. Payment for trees shall be based on the unit price per each as set forth in the Agreement, per type or size of tree. Said price shall include all costs necessary to complete the work as required by the drawings and specifications.

2.133 CHAIN-LINK FENCE 48"

- A. Final measurement will be based on the length of the completed and installed item.
- B. Payment for fence shall be based on the unit price per linear foot as set forth in the Agreement, per type of fence. Said price shall include all costs necessary to complete the work including, but not limited to, the installation, gates (permanent or temporary), maintenance and removal of temporary fence, as required by the drawings and specifications.

END OF SECTION

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### Addendum No. 4

**Project Number:** Federal No. TAP 3001(006)  
**Project Title:** Douglas Street Improvements

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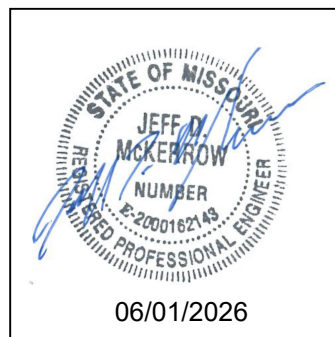
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#### ENVIRONMENTAL AND CULTURAL PERMITS AND CLEARANCES

Douglas Environmental Status

I am responsible for the above-mentioned Project Special Provisions (PSPs) and Job Special Provisions (JSPs):

  
\_\_\_\_\_  
Jeff D. McKerrow, PE, PTOE



Project Special Provisions  
Project No. TAP 3001(006)  
Douglas Street Reconstruction Project

The attached additions of Sections 2150, 2200, 2300, 2400 and 2600 of the Kansas City Metropolitan Chapter of APWA Construction and Material Specifications, and Sections 2100, 3000 and 3910 of the Lee's Summit, Missouri Standard Specifications, all as modified herein, are the standard technical specifications for this Project.

PSP1 – Modification of all sections of the Standard Specifications

Delete all references to Measurement and Payment in both the APWA and Lee's Summit, Missouri Standard Specifications. Measurement and Payment will conform to the requirements of Division 1, Section 01120.

PSP2 – Modification of Section 2100 of the APWA Standard Specifications  
2154.5.A (Silt Fence) Materials, Construction Requirements, and Maintenance

Add the following:

1. Silt fence typically should not be used in swales, drainage-ways, channels and other conduits of concentrated stormwater flow and will only be considered on a case-by-case basis.
2. Silt fence typically should be used to direct or divert water and will only be considered on a case-by-case basis.

PSP3 – Modification of Section 2150 of the APWA Standard Specifications

Remove APWA Standard Specifications in its entirety and replace with Lee's Summit, Missouri Standard Specifications for Grading and Site Preparation.

PSP4 – Modification of Section 2200 of the APWA Standard Specifications

2101.3.B Definitions – Subgrade Preparation: REMOVE and REPLACE with following:

Subgrade Preparation: Subgrade preparation is the repeated operation of fine-grading, *scarification*, *moisture conditioning*, and compacting the subgrade until the specified lines, grades, and cross-section, as indicated on the Plans are obtained and the materials are compacted to the specified depth and density.

2201.4.E Roll Testing of compacted Subgrade:

ADD the following paragraph:

Roll testing shall be conducted on the finished layer of improved subgrade. Chemical stabilized subgrade shall be roll tested in accordance with Section 2202.7.G.1 or 7.G.2, whichever is applicable. Subgrade mechanically stabilized with geogrid or woven geotextile overlaid by aggregate base shall be roll tested on the finished aggregate base layer instead of the unimproved subgrade soils. Areas failing roll testing will be reworked and retested.

The City will have the final authority in approving or failing roll testing. The Contractor/Developer shall retain a qualified testing lab as described in Section 1000, Appendix B at no cost to the City.

2201.4 Subgrade Construction:

ADD the following:

F. Quality Control Testing:

TEST	FREQUENCY
Density/Moisture Curve	1 per material Type
Gradation	1 per material Type
Plasticity Index	1 per material Type
In-Place Moisture Density	1 per 500 square yards of subgrade Minimum, 4 per day
Roll Testing	Per Section2201.4.E above

2202.1 Scope: ADD the following:

Subgrade stabilization material shall be one of the following, as indicated on the plans.

- A. Chemical Stabilization with either Portland Cement, hydrated lime, quicklime or Lime Kiln Dust (LKD).
- B. Mechanical Stabilization will use Biaxial Geogrid, Triangular Geogrid, or Woven Polypropylene Geotextiles for roadway construction that are listed in the current Lee's Summit Public Works Approved Products List.

2202.3.A Materials: DELETE fly ash as an approved material for chemical stabilization:

2202.3 Materials: ADD the following:

- E. Lime Kiln Dust is an approved material for chemical soil stabilization.
- F. Portland Cement is an approved material for chemical soil stabilization.
- G. Biaxial Geogrid, Triangular Geogrid, or Woven Geotextiles for Roadway Reconstruction listed in the current Lee's Summit Public Works Approved products list are approved materials for mechanical stabilization of subgrade. Geogrid shall be installed in accordance with the manufacturer's instructions.

2202.5 Thickness MODIFY as follows:

Minimum thickness for compacted soil mixture shall be 9 inches.

2202.7 Subgrade Stabilization: ADD the following

F. Quality Control Testing:

TEST	FREQUENCY
Density/Moisture Curve	1 per material Type
Gradation	1 per material Type
Plasticity Index	1 per material Type
In-Place Moisture Density	1 per 750 square yards of subgrade Minimum, 2 per day
Roll Testing	Per Section2201.4.E above

2203 UNTREATED COMPACTED AGGREGATE

2203.3.A. Materials: ADD the following sentence at the end.

MoDOT Type 5, MoDOT Type 1 or KDOT AB-3 aggregates for aggregate base construction may be used for untreated aggregate layer in lieu of the material specified in this paragraph.

2203.4.A.7. Untreated Compacted Aggregate Construction: ADD the following

7. Quality Control Testing:

TEST	FREQUENCY
Density/Moisture Curve	1 per material Type
Gradation	1 per material Type
Plasticity Index	1 per material Type
In-Place Moisture Density	1 per 750 square yards of subgrade Minimum, 2 per day
Roll Testing	Per Section 2201.4.E above

Testing shall be performed by a qualified testing lab hired by the Contractor.

Any work by Contractor prior to test submittals and subsequent City's review and approval shall be work done at the Contractor's risk.

Test reports shall be submitted to the City daily. The reports shall clearly indicate the location of all tests by street name, station and/or lot number, type of subgrade material, and subgrade elevation of test. The reports shall include the results of all tests (pass or fail) and all re-tests.

2203 DRAINABLE BASE COURSE:

2203.4.C Plant Mix Bituminous Drainable Base Course: ADD the following:

6. and handle, place and compact materials in accordance with the following.
  - a. Contamination of the finished base material that affects the drainage capability of the product shall not be permitted. Any areas determined to be contaminated shall be completely removed without disturbing the adjacent or underlying material and replaced at Contractor's expense.
  - b. Rutting or other displacement of the permeable base or the underlying base will not be permitted. If displacement occurs, the material shall be completely removed without disturbing the adjacent or underlying material and shall be replaced at the Contractor's expense.
  - c. A minimum of three passes of a 5 to 10 ton steel wheel roller shall be made, compacting the material until no further displacement is noted. Compaction shall begin as soon after spreading the mixture as the mixture is able to bear the weight of the roller without undue displacement and shall be completed before the temperature of the mixture drops below 100 F. The compacted thickness of a single lift shall be a maximum of 4 inches.

2205 ASPHALTIC CONCRETE SURFACE AND BASE

2205.3 Referenced Standards: ADD the following

## KCMMB Asphalt Material Specification

2205.3 Materials: DELETE and REPLACE with the following.

All asphalt materials shall conform to the KCMMB ASPHALT MATERIAL SPECIFICATION, current edition.

2205.4 Mixing and Proportioning: DELETE and REPLACE with the following. All asphalt materials shall conform to the KCMMB ASPHALT MATERIAL SPECIFICATION, current edition.

2208.3.A Materials-Concrete: DELETE Paragraphs 1-4, and REPLACE with the following.

All concrete materials for paving curb and gutter, sidewalks, paths, commercial driveways and other pavements in the right of way shall conform to the KCMMB specifications. Note that KCMMB, although recommended, is not required for residential driveways.

2208.3.B Materials-Reinforcement: DELETE Paragraphs 1 and REPLACE with the following.

Bars: All bars shall be Epoxy coated and shall conform to ASTM A775.

2208.4.D.3 ADD the following

3. Longitudinal joints: Generally, longitudinal joint spacing should have the same spacing as the transverse joint spacing. The ratio between transverse and longitudinal joint spacing should not exceed 1.25. If monolithic curb is used, the width of the curb and gutter is included in the panel width along longitudinal joints. Maximum longitudinal spacing is shown in Table below:

<u>Thickness of PCC</u>	<u>Max. Longitudinal joint spacing</u>
<u>6 inches</u>	<u>12 feet</u>
<u>7 inches</u>	<u>14 feet</u>
<u>8 inches</u>	<u>14 feet</u>
<u>9 inches</u>	<u>15 feet</u>

## 2209 CURBING

2209.4.D Construction Details: Revise paragraph D to read as follows:

D. Curb Machine: A slip-form curb machine shall be used to place any section of curb greater than 100 feet in length. The machine must be equipped with mechanical internal vibrators and capable of placing curb to the correct cross section, line and grade within the allowable tolerances.

2209.4.E.2 Contraction Joints: Delete the first sentence of paragraph 2. and replace with the following:

Curbing for asphalt pavements shall have contraction joints at intervals of not more than 10 feet. They shall extend through the entire curb section from the top of the curb to a depth 2 inches below pavement surface

Curbing for concrete pavements shall have contraction joints aligned with transverse pavement joints, but no greater than 15-foot intervals.

## 2211 SMOOTHNESS

2211.4 Construction: DELETE and replace with the following

#### A. Arterials and Collectors:

1. Pavement smoothness on major arterial, minor arterial, and collector streets will be measured at the Contractor's expense by a 25-foot California profilograph using a 0.2 inch blanking band. Run one trace three feet from the longitudinal joint between the lanes, and another three feet from the shoulder or curb edge of the lane (five feet from the back of curb). The profilograph and testing shall be performed by a trained and certified operator. A copy of the operator's profilograph certification shall be submitted to the City prior to testing. The Contractor shall provide the Engineer with the profilogram and its evaluation within two days after paving has been completed.
2. All pavements will be corrected at the Contractor's expense to less than 15 inches per mile. Pavement sections with a horizontal curve radius of less than 300 feet and/or vertical curves or transition areas with K values less than 30 will be excluded from the profilograph specification. Bumps greater than 0.25 inches in 25 feet shall be corrected to a bump height of less than 0.25 inches.
3. For asphalt pavements, the profilograph shall be run on the top of the base course. Grinding and corrections shall be made on the base course before placing the final surface course.

#### B. Local and Access Roads:

1. Finished pavements on local roads, access roads and other areas exempted from profilographing shall be checked with a 10 foot straightedge placed parallel to the center line at any location within a driving lane. Areas showing high spots of more than 1/4 of an inch in 10 feet shall be marked and ground down with approved grinding equipment to an elevation where the area or spot will not show surface deviations in excess of 1/8 inch when tested with a 10 foot straight edge.
2. For asphalt pavements, the straight-edge smoothness shall be measured on the top of the base course. Grinding and corrections shall be made on the base course before placing the final surface course.

#### C. Corrections.

1. Smoothness corrections shall be made by diamond grinding. Grinding will be performed on the full width of the lane failing to meet the smoothness criteria. The cost of correcting the smoothness and associated traffic control shall be at Contractor's expense.

#### D. Final Report:

The Contractor shall submit a final report to the Engineer with final profilograph results or straightedge measurements verifying compliance with the specified pavement smoothness requirements.

#### E. Measurement and Payment:

There is no measurement or payment for smoothness. These items shall be subsidiary to other pay items. There are no pay adjustments (incentive or disincentive) shall be made to the smoothness or pavement items based on the results of the profilograph testing.

#### PSP5 – Modification of Section 2300 of the APWA Standard Specifications

##### 2301.3.A Materials

Delete and replace with the following:

- A. Concrete Mix: Concrete shall be currently approved KCMMB 4K mix.

##### 2301.3 Materials

ADD the following:

- F. ADA Detectable Warning Surfaces: The material used to provide contrast shall be an integral part of the walking surface. The material for detectable surface shall be:
  - 1. Grouted-in-Place Clay Pavers
    - a. Paving brick shall be 2 1/4" x 3 5/8" x 7 5/8" and shall meet the requirements of ASTM C902 for Class SX, Type 1 brick and ASTM C1272.
    - b. The bricks shall be placed in a Soldier Course pattern on type A and Type M ramps, or in the Herringbone or Soldier Course pattern on Type B ramps.
    - c. The bricks shall be saw cut only and any brick shall not be less than 25% of a full brick.
    - d. Type M mortar shall be used for the setting bed and grouted joints in accordance with ASTM C270, Table 1 (Masonry Cement Type only).
  - 2. Cast-in-Place Tiles: Acceptable products include ceramic composites, composites, reinforced concrete, or materials of strength and durability similar to that of the concrete walking surface. Proposed materials shall be approved by the City prior to installation.
  - 3. Color for all surface options shall be 'brick red' (Federal Standard Color No. 22144). Any color variation to meet contrast requirements must be approved by the City.
  - 4. Surface applied retrofit tiles shall not be allowed.

##### 2305 Maintenance of Traffic:

Delete APWA section in its entirety (replace with LS Section 3000 – Traffic Control, Marking and Signing)

##### 2306 Pavement Markings

Delete APWA section in its entirety (replace with LS Section 3000 – Traffic Control, Marking and Signing)

##### 2602.2 Materials

Delete Paragraph B and replace with the following:

Corrugated metal pipe shall not be used in the construction of public infrastructure. Storm drainage systems to remain privately owned and maintained may use corrugated Aluminized Steel Pipe

2602.2 Materials:  
ADD the following

G. Polypropylene Pipe

1. Double wall polypropylene pipe shall have a smooth interior and annular exterior corrugations and conform to ASTM F2881 and AASHTO M330. Triple wall polypropylene pipe shall have smooth interior and exterior surfaces with inner corrugations and conform to ASTM F 2764. The pipe shall not be perforated unless otherwise specified.
2. Pipe shall be joined with a gasketed integral bell and spigot joint meeting the requirements of ASTM F2881 for double wall pipe or ASTM F2764 for triple wall pipe.
3. Coupling bands shall cover at least two full corrugations on each section of pipe and shall prevent the infiltration of soil into the pipe.

2602.3 Construction:

2602.3.B.5.d Structure Connections – Laying and Jointing

REVISE to read as follows:

Pipes connected to structures shall be cut parallel with the inside face of the structure for structures having plane walls and parallel with the spring line of the pipe for structures having curved walls. Projection of the pipe beyond the inside face shall not exceed 3 inches (measured at the springline for structures having curved walls). When installed, all gaps and openings intended to be closed, shall be sealed with grout, concrete or other approved material.

2604.2 Materials (for storm sewer structures):

2604.2.A – Concrete Mixes

REVISE to read as follows:

“Concrete for structures and structural components shall be KCMMB 4k or 5k mix; or MCIB 4,500 psi or 5,000 psi mix. Nominal aggregate shall be 1-inch or larger. Concrete used for soil stabilization, pipe cradles, filling, leveling courses and other similar purposes may use smaller nominal aggregate sizes of 1/2-inch, 3/4-inch.”

2604.2 F – Manhole Castings and Metal Castings:

ADD the following

3. Metal Castings shall be selected from the current City of Lee’s Summit Public Works Approved Products List.

2604.3 Construction (for storm sewer structures):

2604.3.A.2 Finishing:

ADD the following

- c. If an adjustment is required for the top slab which is less than or equal to 6 inches, the adjustment shall be made with non-shrink grout with a coating of cement on both faces, if the adjustment is greater than 6 inches, the adjustment shall be made with doweled concrete.

Dowels shall be bars embedded 6 inches into the walls. All reinforcement shall be the same size and spacing as the wall steel.

ADD the following:

2604.3.D. Cast-in-Place Box Culvert Support Slab: Cast in place box culverts shall have a 3-inch-thick grade slab cast under the bottom slab. The grade slab shall be at least as wide as the structure and shall stop short of the toe walls. Commercial grade concrete may be used with minimum 2500 psi compressive strength. The slab should be set with proper grade control to match the elevations required for the culvert.

PSP6 – Modification of Section 3900 of the LS Standard Specifications

3901.C.2 – Fittings

ADD the following

c. All fittings shall have restrained joints and comply with Paragraph 3901.C.4

PSP7 – Tree Clearing Restriction

1.0 Description. The project is within the known range of federally endangered bats. These bats are known to roost in trees when not in winter hibernation. To avoid potential negative impacts to protected bats, removal of trees will only be allowed between November 1 and March 31.

2.0 Basis of Payment. No direct pay shall be provided for any labor, equipment, time, or materials necessary to complete this work.

PSP8 – Tree Replacement

A. General: The Contractor shall plant trees at the locations shown on the plans or as designated by the Engineer. The type and variety of the tree to be planted will be shown on the plans, designated by the Landscape Architect, or designated by the City Forester. Any changes in tree type and variety or trees designated by the Landscape Architect or City Forester shall be selected from the type and variety listed below.

Reference Standards:

"Standardize Plant Names" by the American Joint Committee of Horticultural Nomenclature.

"American Standard of Nursery Stock" by the American Association of Nurserymen.

American National Standards Institute (ANSI) Publication Z60.1.

Substitutions: Substitutions of plant material will not be permitted unless authorized in writing by the City. If proof is submitted that any plant specified is not obtainable, a proposal will be considered for use of the nearest equivalent size or variety with corresponding adjustment of Contract Price. These provisions shall not relieve Contractor of the responsibility of obtaining specified materials in advance if special growing conditions or other arrangements must be made in order to supply specified materials.

Source Quality Control: Plant shall be available for inspection and approval by the Parks and Recreation Department at place of growth, and upon delivery, for conformity to specifications. Such approvals shall not impair the right of inspection and rejection during progress of the work.

The Landscape Architect and City Engineer shall inspect all work to insure that the planting work is performed according to project specifications.

B. Packaging, Delivery, Storage and Handling: Plants shall be properly marked for identification and for checking. Each block of plants and at least 25% of each variety of separate plants in any one shipment shall have legible labels securely attached upon delivery to the site. Each shipment shall be certified by state and federal authorities to be free from disease and infestation. Any inspection certificates required by law to this effect shall accompany each shipment, invoice, order, or stock. On arrival, the certificate shall be filed with the Landscape Architect.

During hot weather and when practical, the Contractor may be required to transport plant materials between sunset and sunrise if transported in an open trailer or un-refrigerated box. Where plant material is to be transported over 30 miles, it must be covered so as to prevent damage.

Dug material should be maintained and watered as required at the nursery to guarantee its vitality and health until shipping.

Protect all trunks, branches, and root balls from damage during tree tying, wrapping and loading operations.

Load balls or containers onto transport vehicle and secure in a manner that protects the structural integrity of the root balls.

The Contractor shall be solely responsible for the safe transportation of plants to the site and their condition upon arrival. Trees damaged, dehydrated or abused during transit or storage will be rejected.

Plant materials shall not be stored on concrete or asphalt.

Roots and balls of plants shall be adequately protected at all times from the sun and drying winds. Balled and burlapped plants that cannot be planted within 24 hours of delivery to the site shall be heeled-in using bark mulch or other approved material.

Root Balls shall not be dropped at any stage of shipping, handling, or planting.

If existing plants are damaged during planting, Contractor shall replace such plants with the same species and size as those damaged at no cost to the City.

C. Materials:

Size: All trees shall be 1-1/2" minimum caliper.

Nursery Stock: All plants shall be true to species and variety in accordance with "Standardized Plant Names" referenced herein. Upon request, Contractor shall furnish a list indicating the source of each of the different trees to be planted.

All plants shall be symmetrical in growth with balanced root and top growth and shall be No. 1 in grade type, conforming with the latest edition of "American Standard of Nursery Stock" referenced herein.

Trees shall have a single straight trunk, single dominant central leader (when characteristic of the species), and a well-balanced branch structure.

Size of plants spread of roots, and size of balls shall be in accordance with the reference listed.

Plant material specified as Balled and Burlapped (B & B) must have a ball of firm earth from the original soil in which the plant grew. The ball shall be wrapped with burlap and tightly tied to hold it firm and intact. Any plants with loose or broken balls or manufactured balls will be rejected. Wire baskets shall be used where necessary to protect the balls.

The City will not accept B & B plant material tied with string or cord that is not biodegradable. Plants balled in biodegradable burlap only will be acceptable; those balled in polypropylene type materials will be rejected.

Plants shall be nursery grown and shall have received the proper fertilizing, watering, root pruning, and other care as is normally used in nursery practice. Collected stock will be rejected. Trees shall have been transplanted or root pruned at least once in the past 3 years. Stock shall consist of plants grown under natural conditions in soils and climate compatible with the City of Lee's Summit.

Plants shall be free from defects and injuries. All shipments or plant stock shall comply with existing State and Federal laws and regulations governing plant disease and infection, and interstate movement of nursery stock.

**Fertilizer:** Fertilize trees after planting with a "Plant Starter/Root Stimulator" liquid solution applied according to the manufacturer's instructions. No other fertilizer is to be used.

**Mulch:** Wood mulch shall consist of bagged or bulk aged wood chips, or shredded hardwood bark. Walnut bark or chips are not acceptable.

**Tree Guards:** Each tree shall be protected after planting with a plastic protector, 9" nominal height, 4" minimum diameter. Material shall be vented polyethylene or equivalent.

D. Planting:

**Planting Season:** Actual planting shall be performed only when weather and soil conditions are suitable in accordance with locally accepted practice and as approved by the Engineer.

**Spring:** Unfrozen soil condition until first leaves are one-half developed. (About April 30)

**Fall:** October 1 until frozen soil conditions prevent work.

**Layout:** All tree locations shall be marked by Contractor prior to planting. Locations will be approved by Landscape Architect and City Engineer prior to installation. If underground construction, obstructions, or large rocks are encountered in excavation of planting areas, other locations for the planting may be selected by the City.

**Planting:** Holes shall be a minimum of 10" larger in diameter than the spread of roots or size of root ball. The bottom of the hole shall be no deeper than the height of the root ball so that the tree ball is placed on solid earth. Planting holes shall have approximately vertical sides and flat bottoms.

**Setting and Backfilling:** Set all trees plumb and straight. Set at such a level that the top of the tree ball is at or slightly above the original level when grown in the nursery.

Soil used for backfilling all plants shall consist of the soil excavated at the time of planting. Backfill each hole about 2/3. Flood the plant with water and allow soil to settle. Root stimulator shall be applied at the time of watering.

Cut and remove all ties from the ball. Cut and fold back the top 1/3 of the burlap. The top of wire baskets shall be folded outward at the same time.

In no case should the burlap be pulled out from under the balls, and baskets should not be removed. Do not plant trees whose balls have been broken during the planting process.

**Application of Mulch:** Place 2 to 4 inches of mulch around all trees to cover an area approximately 3 feet in diameter. Do not mound around tree trunk.

**Final Operations:** Remove all remaining tags, ties, and transit protectors from trees. Install tree guard as specified. Stakes and guys are not required.

E. Plant Guarantee and Maintenance Requirements:

All trees shall be guaranteed by the Contractor to be in vigorous growing condition at the time of planting.

Rejected trees shall be promptly removed and replaced.

Contractor shall promptly raise and straighten trees that settle or lean, for a period of one growing season.

Contractor will be responsible for watering the trees on the following schedule. Two (2) times a week for the first four weeks (week 1 to week 4) after planting, and one (1) time a week for the following four weeks (week 4 to week 8).

Following the initial eight weeks' Contractor will water as needed to maintain health and aesthetic quality of the trees for the term of the contract.

Contractor will treat for any disease, or insect problem that could cause significant harm to the tree.

Contractor will guarantee and replace any tree that dies for a period of one year. First time replacement trees will be guaranteed for a period of one year.

PSP9 – Tract 3 Sump Pump

1.0 Description. The Contractor shall connect the existing sump pump located on Tract 3 to the proposed storm line as noted in the plans. Prior to installation, the Contractor shall coordinate with the Tract 3

owner. The Contractor shall independently verify the sump pump discharge location, pipe elevations, and depths to ensure proper alignment with the proposed storm line. If any adjustments to the proposed storm design is required, the Contractor shall coordinate with the engineer before proceeding. The Contractor is responsible for minimizing disruption to the sump pump operation during the tie-in process.

- 2.0 Basis of Payment. No direct pay shall be provided for any labor, equipment, time, or materials necessary to complete this work. All costs for compliance shall be considered incidental to the cost of other items in the contract.

#### PSP10 – Tract 20 Access

- 1.0 Description. The Contractor shall provide uninterrupted access and parking accommodations close to the residence of Tract 20 for the property owner's use throughout the duration of construction. Temporary parking areas shall be established as necessary, within close proximity to the property, and maintained in a safe and accessible condition. The Contractor shall coordinate with the property owner to understand their specific needs and minimize disruptions. Any driveway or sidewalk work impacting accessibility shall be scheduled and managed to maintain access at all times.

- 2.0 Basis of Payment. No direct pay shall be provided for any labor, equipment, time, or materials necessary to complete this work.

#### PSP11 – Tract 33 Driveway Construction

- 1.0 Description. The Contractor shall construct Tract 33 driveway in halves to maintain access for the property owner at all times. The first half of the driveway shall be fully constructed, poured, and cured before work on the second half begins. The Contractor shall coordinate with the owner to determine the most suitable sequence of construction and minimize disruptions.

- 2.0 Basis of Payment. All work associated with coordinating, constructing, and maintaining access during driveway construction is incidental to the contract unit price for 8" Concrete (Residential Drive), with no separate payment provided for maintaining access or temporary measures.

#### PSP12 – Tract 56 Fence Removal

- 1.0 Description. The Contractor shall remove the entire fence located in the front yard of the designated property, including posts, rails, panels, gates, and any footings or anchors attached to the fence. The Contractor shall coordinate with the property owner to confirm the exact limits of removal and ensure any adjacent property or landscaping remains undisturbed.

- 2.0 Basis of Payment. No direct payment will be made for work required under this provisions. All costs for compliance shall be considered included in the lump sum payment for Demolition and Removal.

#### PSP13 – Tract 63 Sidewalk Connection

- 1.0 Description. The Contractor shall replace the existing sidewalk leading to the steps on Tract 63 as shown in the plans. Removal of the existing sidewalk shall include proper disposal of materials. The new sidewalk shall match the dimensions, alignment, and elevation of the adjacent sidewalk and steps to provide a seamless transition. The Contractor shall verify elevations and grades at the interface with the steps to ensure proper drainage and accessibility. All work shall comply with ADA standards, if applicable, and any modifications shall be approved by the engineer prior to construction.

2.0 Basis of Payment. All costs associated with removing, disposing of, and constructing the replacement sidewalk to steps are incidental to the contract unit price for 4" Concrete Sidewalk, with no additional payment for this work.



PSP14 – Tract 69 Tree Trunks

1.0 Description. The Contractor shall cut down trees as specified in the contract and coordinate with the Tract 69 owner for salvaging the tree trunks. The Tract 68 owner will provide instructions on the delivery and storage of salvaged tree trunks. Coordination shall include providing Tract 68 owner with a minimum of one week's notice prior to removal.

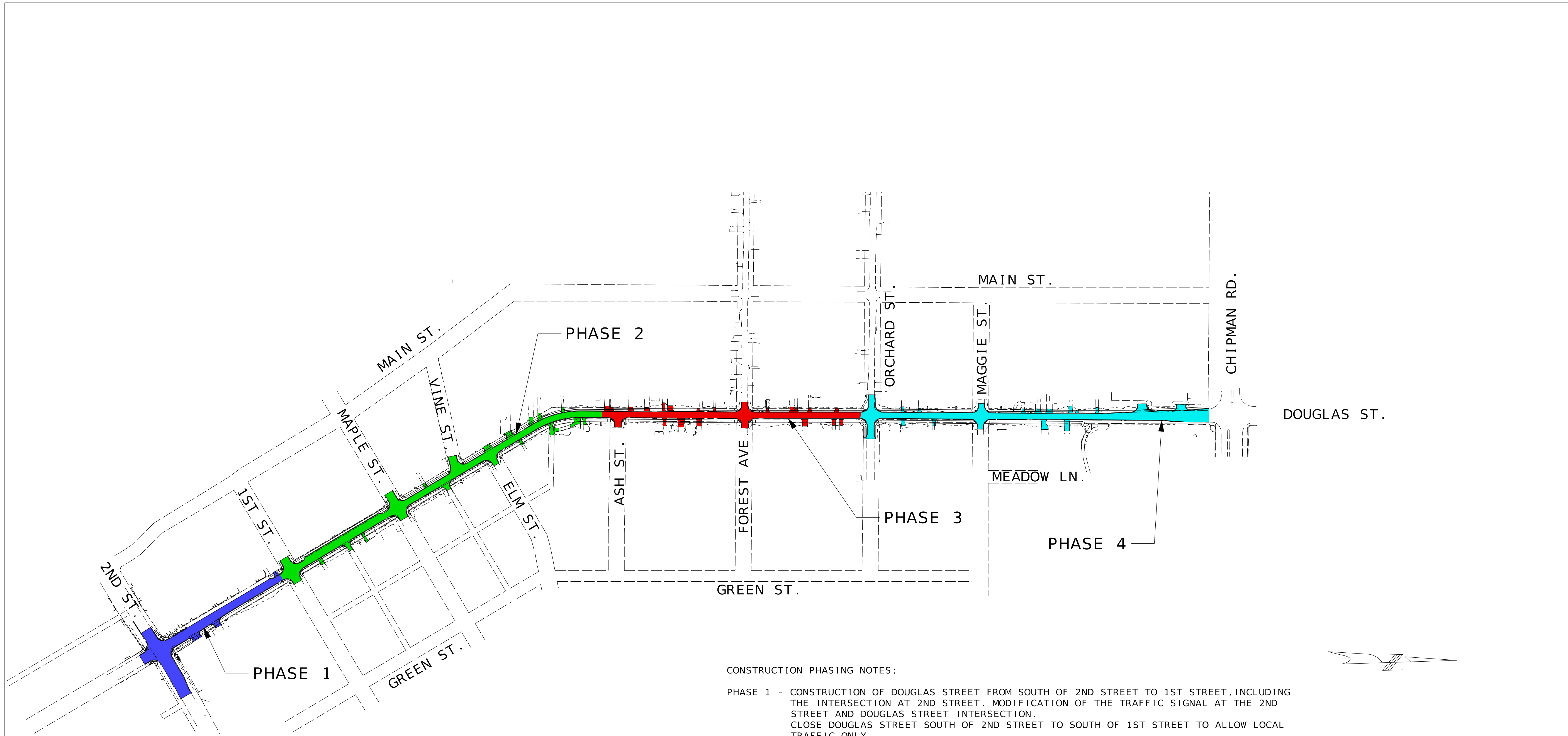
2.0 Basis of Payment. All work associated with the salvaging, coordination, and delivery of tree trunks is incidental to the contract unit price for Tree Stump Removal.

	Description	Quantity	Unit
1	Clearing and Grubbing	1	LS
2	Demolition and Removal	1	LS
3	Mobilization	1	LS
4	Unclassified Excavation	9,205	CY
5	Embankment with Excavated Material	1,068	CY
6	Geogrid for Subgrade Stabilization	15,500	SY
7	Aggregate Base (4") (MoDOT Type 5)	5,100	SY
8	Aggregate Base (6") (MoDOT Type 5)	17,726	SY
9	8" Concrete Pavement (KCMMB 4K)	15,500	SY
10	4" Concrete Sidewalk	2,000	SY
11	ADA Ramps (All Types)	42	EACH
12	6" Concrete Shared-Use Path	3,100	SY
13	6" Concrete (Residential Drive)	1,676	SY
14	8" Concrete (Commercial Drive)	550	SY
15	Curb and Gutter Type CG-1	8,984	LF
16	Curb and Gutter Type CG-2	218	LF
17	Curb Type C-1	30	LF
18	Curb Type C-1 Modified	198	LF
19	Curb Type S	112	LF
20	Storm Sewer Curb Inlet (8' x 4')	4	EACH
21	Storm Sewer Curb Inlet (8' x 5')	1	EACH
22	Storm Sewer Curb Inlet (6' x 4')	17	EACH
23	Modified Storm Sewer Inlet (6' x 4')	2	EACH
24	Modified Storm Sewer Inlet (5' x 4')	7	EACH
25	Modified Storm Sewer Inlet (5' x 5')	1	EACH
26	Storm Sewer Curb Inlet (5' x 3')	1	EACH
27	Storm Sewer Junction Box (5')	9	EACH
28	Storm Sewer Junction Box (7')	2	EACH
29	Storm Sewer Pipe (15") RCP OR PP	959	LF
30	Storm Sewer Pipe (18") RCP OR PP	604	LF
31	Storm Sewer Pipe (24") RCP OR PP	1,242	LF
32	Storm Sewer Pipe (30") RCP OR PP	172	LF
33	Storm Sewer Pipe (36") RCP OR PP	499	LF
34	Storm Sewer Pipe (42") RCP OR PP	79	LF
35	Storm Sewer Pipe (36") RCP	20	LF
36	Storm Sewer Pipe (42") RCP	10	LF
37	Pipe Collar for 18" Pipe	1	EACH
38	Pipe Collar for 30" Pipe	1	EACH
39	Pipe Collar for 36" Pipe	1	EACH
40	Pipe Collar for 42" Pipe	1	EACH
41	Flowable Fill for Abandoned Pipes	40	CY
42	Sanitary Sewer Frame and Cover Replacement	4	EACH
43	Sanitary Sewer Pipe Encasement	3	CY
44	Sod	9,156	SY
45	Topsoil	9,156	SY
46	1" PVC Water Main	25	LF
47	3/4" Copper Water Main Service	2,000	LF
48	6" PVC Water Main	114	LF
49	8" PVC Water Main	5,271	LF
50	6" Gate Valves	2	EACH
51	8" Gate Valves	30	EACH
52	8" Water Main 45 Bends	48	EACH
53	8" Water Main 11.25 Bends	5	EACH
54	8" Water Main 90 Bends	1	EACH
55	8" X 8" Water Main Tee	11	EACH
56	6" x 8" Water Main Tee	10	EACH
57	8" Water Main Cross	2	EACH
58	6" x 8" Water Main Reducer	10	EACH
59	4" x 8" Water Main Reducer	1	EACH
60	10" x 8" Water Main Reducer	1	EACH
61	12" x 8" Water Main Reducer	1	EACH
62	8" Water Main Tapping Plug	1	EACH
63	8" Water Main Tapping Sleeve	1	EACH
64	1" Water Main 45 Bend	1	EACH
65	1" Water Main 90 Bend	1	EACH
66	8" Solid Sleeve	1	EACH

	Description	Quantity	Unit
67	6" Water Main Cap	17	EACH
68	Water Main Plug	17	EACH
69	Water Meter Installations	45	EACH
70	Straight Set Fire Hydrant	9	EACH
71	Silt Fence	3,560	LF
72	Inlet Protectors	37	EACH
73	Junction Box Protectors	12	EACH
74	Alternate Ditch Check	20	SF
75	Street Lighting, 14' Pole (P14)	42	EACH
76	Street Lighting, 30' Pole (P30S)	2	EACH
77	Street Lighting, Bracket Arm, 6'	2	EACH
78	Street Lighting, Screw-In Base, 14' Pole (B14)	42	EACH
79	Street Lighting, Concrete Base, 30' Pole	2	EACH
80	Street Lighting, Post Top LED Luminaire	42	EACH
81	Street Lighting, Cobrahead LED Luminaire (Class 1)	2	EACH
82	Street Lighting, 4-Circuit Power Supply Assembly	2	EACH
83	Street Lighting, Power Supply Concrete Base	2	EACH
84	Street Lighting, Fiber Optic Pull Box	10	EACH
85	Street Lighting, Class I Pull Box	2	EACH
86	Street Lighting, Type II Junction Box	4	EACH
87	Street Lighting, Type I Junction Box	3	EACH
88	Street Lighting, 2" HDPE Lighting Conduit (Installed)	5,100	LF
89	Street Lighting, 2" HDPE Fiber Optic Conduit (Installed)	3,700	LF
90	Street Lighting, 3" PVC SCH 40 Conduit (Installed)	75	LF
91	Street Lighting, 3c#6 Power Cable	150	LF
92	Street Lighting, 3c#8 Street Light Distribution Cable	5,500	LF
93	Street Lighting, 3c#10 Street Light Pole and Bracket Cable	950	LF
94	Street Lighting, Multi-Tap Connectors	132	EACH
95	Street Lighting, Break-Away Fused Connectors	88	EACH
96	Street Lighting, Break-Away Non-Fused Connectors	44	EACH
97	Pavement Marking, 4" White - High Build Paint	865	LF
98	Pavement Marking, 4" Yellow - High Build Paint	8,615	LF
99	Pavement Marking, 6" White - Preformed Thermoplastic	1,045	LF
100	Pavement Marking, 12" Yellow - Preformed Thermoplastic	70	LF
101	Pavement Marking, 24" White - Preformed Thermoplastic	277	LF
102	Pavement Marking, Arrow Symbol - Preformed Thermoplastic	10	EACH
103	Signs (Permanent)	271	SF
104	Sign Posts (Permanent)	28	EACH
105	Traffic Signal, Demolition and Removal	1	LS
106	Traffic Signal, Pole Relocation	1	LS
107	Traffic Signal, Pedestal Pole (8')	7	EACH
108	Traffic Signal, Pole Base (Type B10)	1	EACH
109	Traffic Signal, Pole Base (Type C)	7	EACH
110	Traffic Signal, Head (Type H)	4	EACH
111	Traffic Signal, Head (Type M)	7	EACH
112	Traffic Signal, 2" HDPE Conduit	150	LF
113	Traffic Signal, 3" HDPE Conduit (Installed)	30	LF
114	Traffic Signal, 4" HDPE Conduit (Installed)	280	LF
115	Traffic Signal, Class II Pull Box	1	EACH
116	Traffic Signal, Class III Pull Box	1	EACH
117	Traffic Signal, Fiber Optic Pull Box	1	EACH
118	Traffic Signal, 1C#6 Solid Copper Ground Cable	550	LF
119	Traffic Signal, 2C#8 Lighting Power Cable	400	LF
120	Traffic Signal, 2C#14 Control Cable	1,100	LF
121	Traffic Signal, 5C#14 Control Cable	1,100	LF
122	Traffic Signal, 7C#14 Control Cable	2,050	LF
123	Traffic Signal, APS Pedestrian Pushbutton Detectors	7	EACH
124	Traffic Signal, Signs	37	SF
125	Traffic Signal Equipment Modification	1	LS
126	Fiber Optic System Modification	1	LS
127	Traffic Control, Barricades	65	EACH
128	Traffic Control, Channelizers	36	EACH
129	Traffic Control, Message Boards	2	EACH
130	Traffic Control, Pavement Marking, 4" White Temporary	545	LF
131	Traffic Control, Signing	575	SF
132	Trees	69	EACH
133	Chain-link Fence 48"	900	LF

DATE	6/1/2026	REVISIONS	
VERTICAL SCALE:	DESIGNED BY: LED	 <b>Kimley-Horn</b> KIMLEY-HORN AND ASSOCIATES, INC. 805 PENNSYLVANIA AVENUE, SUITE 150 KANSAS CITY, MO 64105 PHONE : 816-652-0350 WWW.KIMLEY-HORN.COM	
	DRAWN BY: LDA		
	CHECKED BY: JDM		
		 JEFF D. MACKERROW PROFESSIONAL ENGINEER NUMBER 2-20016214 STATE OF MISSOURI	6/1/2026
	DOUGLAS STREET IMPROVEMENTS LEES SUMMIT, MO 64003 FINAL PLANS		
	SUMMARY OF QUANTITIES SHEET 1 OF 1		
	DATE: 6/1/2026		
	FEDERAL-AID NUMBER: TAP_3001006		
	SHEET NO. 4 of 229		

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



GENERAL NOTES:

1. MAINTAIN ACCESS TO ALL PROPERTIES AT ALL TIMES.
2. A DRIVABLE ASPHALT, CONCRETE OR AGGREGATE STREET SURFACE FOR LOCAL ACCESS SHALL BE MAINTAINED IN THE WORK AREA AT ALL TIMES WHEN WORK IS NOT IN PROGRESS.
3. THE CONTRACTOR SHALL NOTIFY ALL PROPERTY OWNERS AT LEAST SEVEN CALENDAR DAYS PRIOR TO BEGINNING WORK ON THE STREET THAT WILL RESTRICT ACCESS TO THEIR PROPERTY. THE CONTRACTOR SHALL PROVIDE AN ALTERNATE LOCATION FOR THE PROPERTY OWNERS TO PARK DURING THE TIME PERIOD WHEN DRIVEWAY ACCESS IS RESTRICTED.
4. THE CONTRACTOR SHALL COORDINATE DRIVEWAY CONSTRUCTION WITH THE PROPERTY OWNER AT LEAST SEVEN CALENDAR DAYS PRIOR TO BEGINNING CONSTRUCTION ON ANY DRIVEWAY.
5. DETOUR ROUTE WILL BE PROVIDED FOR DOUGLAS STREET THROUGHOUT CONSTRUCTION. DETOUR ROUTE SHALL FOLLOW INDEPENDENCE AVENUE, BETWEEN CHIPMAN ROAD AND 2ND STREET.
6. PROVIDE TEMPORARY CONNECTIONS FOR STORM SEWER, SANITARY SEWER, AND WATER SYSTEMS AS REQUIRED TO MAINTAIN CONTINUOUS SERVICE BETWEEN CONSTRUCTION PHASES. ALL TEMPORARY FACILITIES AND ASSOCIATED WORK NECESSARY TO MAINTAIN SYSTEM FUNCTIONALITY SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CITY.

CONSTRUCTION PHASING NOTES:

- PHASE 1 - CONSTRUCTION OF DOUGLAS STREET FROM SOUTH OF 2ND STREET TO 1ST STREET, INCLUDING THE INTERSECTION AT 2ND STREET. MODIFICATION OF THE TRAFFIC SIGNAL AT THE 2ND STREET AND DOUGLAS STREET INTERSECTION.  
CLOSE DOUGLAS STREET SOUTH OF 2ND STREET TO SOUTH OF 1ST STREET TO ALLOW LOCAL TRAFFIC ONLY.
- PHASE 2 - CONSTRUCTION OF DOUGLAS STREET FROM 1ST STREET TO ASH STREET, INCLUDING THE INTERSECTIONS AT 1ST STREET, MAPLE STREET, VINE STREET, AND ELM STREET.  
CLOSE DOUGLAS STREET FROM 1ST STREET TO ASH STREET TO ALLOW LOCAL TRAFFIC ONLY.  
CLOSE 1ST STREET FROM MAIN STREET TO GREEN STREET TO ALLOW LOCAL TRAFFIC ONLY.  
CLOSE MAPLE STREET FROM MAIN STREET TO GREEN STREET TO ALLOW LOCAL TRAFFIC ONLY.  
CLOSE VINE STREET FROM MAIN STREET TO DOUGLAS STREET TO ALLOW LOCAL TRAFFIC ONLY.  
CLOSE ELM STREET FROM DOUGLAS STREET TO GREEN STREET TO ALLOW LOCAL TRAFFIC ONLY.
- PHASE 3 - CONSTRUCTION OF DOUGLAS STREET FROM ASH STREET TO ORCHARD STREET, INCLUDING THE INTERSECTIONS AT ASH STREET AND FOREST AVENUE.  
CLOSE DOUGLAS STREET FROM ASH STREET TO ORCHARD STREET TO ALLOW LOCAL TRAFFIC ONLY.  
CLOSE ASH STREET FROM DOUGLAS STREET TO GREEN STREET TO ALLOW LOCAL TRAFFIC ONLY.  
CLOSE FOREST AVENUE FROM MAIN STREET TO GREEN STREET TO ALLOW LOCAL TRAFFIC ONLY.
- PHASE 4 - CONSTRUCTION OF DOUGLAS STREET FROM ORCHARD STREET TO CHIPMAN ROAD, INCLUDING THE INTERSECTIONS AT ORCHARD STREET AND MAGGIE AVENUE.  
CLOSE MAGGIE AVENUE FROM MAIN STREET TO MEADOW LANE TO ALLOW LOCAL TRAFFIC ONLY.  
CLOSE ORCHARD STREET FROM MAIN STREET TO GREEN STREET TO ALLOW LOCAL TRAFFIC ONLY.

<p><b>Kimley»Horn</b>                  KIMLEY-HORN AND ASSOCIATES, INC.                  805 PENNSYLVANIA AVENUE, SUITE 150                  KANSAS CITY, MO 64105                  PHONE : 816-652-0350                  WWW.KIMLEY-HORN.COM</p>	<p>REVISIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>DATE</th> <th>REVISIONS</th> </tr> <tr> <td>5/28/2026</td> <td>General and Construction Phasing Note Revisions</td> </tr> </table>	DATE	REVISIONS	5/28/2026	General and Construction Phasing Note Revisions
DATE	REVISIONS				
5/28/2026	General and Construction Phasing Note Revisions				
<p>VERTICAL SCALE:</p> <p>DESIGNED BY: JW</p> <p>DRAWN BY: PEO</p> <p>CHECKED BY: JDM</p>					
<p>5/28/2026</p>					
<p>DOUGLAS STREET IMPROVEMENTS                  LEE'S SUMMIT, MO 64063                  FINAL PLANS</p>					
<p>CONSTRUCTION PHASING SHEET 1 OF 1</p>					
<p>DATE: 5/28/2026</p>					
<p>FEDERAL-AID NUMBER: TAP_3001006</p>					
<p>SHEET NO. 120 of 229</p>					

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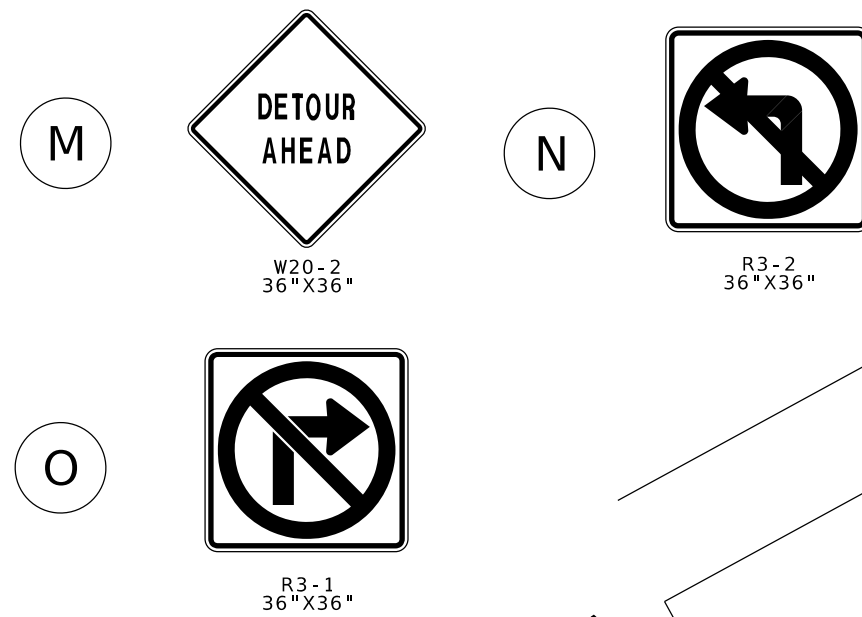
PHASE 1A NOTES

1. TRAFFIC CONTROL SHOWN FOR TIMES WHEN PHASE 1A WORK AREA IS CLOSED TO TRAFFIC.
2. IN ADVANCE OF THE WORK AREA, TYPE 3 BARRICADES ARE TO BE PLACED BEHIND THE CURBS ON EACH SIDE OF THE STREET.
3. AT THE WORK AREA, TYPE 3 BARRICADES ARE TO BE PLACED END TO END BETWEEN CURBS TO COMPLETELY CLOSE THE STREET.
4. WHEN ACCESS IS ALLOWED WITHIN THE WORK AREA FOR LOCAL TRAFFIC, TYPE 3 BARRICADES SHALL BE STAGGERED WITHIN THE ROADWAY TO ALLOW ACCESS INSTEAD OF COMPLETELY CLOSING THE STREET.
5. SEE TEMPORARY TRAFFIC CONTROL STANDARD DRAWING TC-1 (SHEET 119) FOR SIGN LEGEND.
6. ONE 12' EASTBOUND LANE TO BE MAINTAINED AT ALL TIMES.

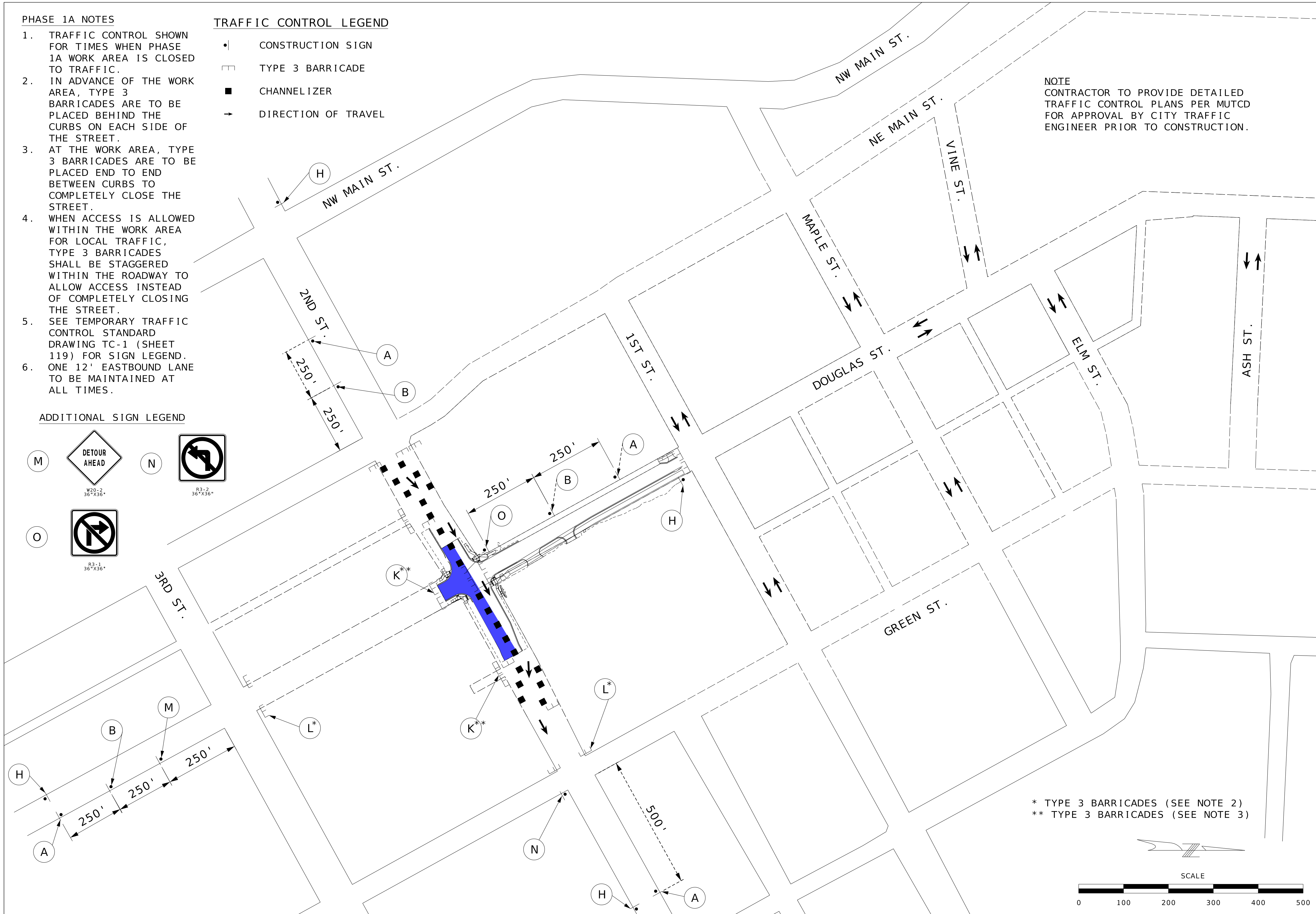
TRAFFIC CONTROL LEGEND

- CONSTRUCTION SIGN
- ▭ TYPE 3 BARRICADE
- CHANNELIZER
- DIRECTION OF TRAVEL

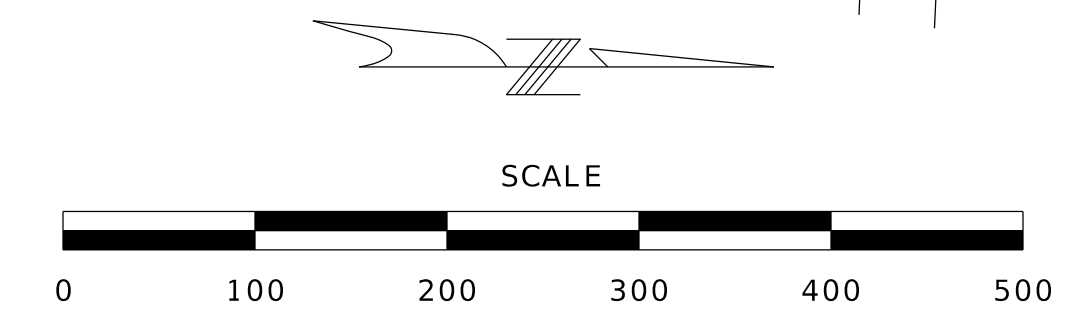
ADDITIONAL SIGN LEGEND



NOTE  
CONTRACTOR TO PROVIDE DETAILED TRAFFIC CONTROL PLANS PER MUTCD FOR APPROVAL BY CITY TRAFFIC ENGINEER PRIOR TO CONSTRUCTION.



\* TYPE 3 BARRICADES (SEE NOTE 2)  
\*\* TYPE 3 BARRICADES (SEE NOTE 3)



REVISIONS	DATE	6/1/2026	Phase 1A Traffic Control Revisions
<b>Kimley»Horn</b>			
KIMLEY-HORN AND ASSOCIATES, INC. 805 PENNSYLVANIA AVENUE, SUITE 150 KANSAS CITY, MO 64105 PHONE : 816-652-0350 WWW.KIMLEY-HORN.COM			
VERTICAL SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY: JDM
6/1/2026			
DOUGLAS STREET IMPROVEMENTS LEE'S SUMMIT, MO 64063 FINAL PLANS			
TRAFFIC CONTROL PHASE 1A			
DATE: 6/1/2026			
FEDERAL-AID NUMBER: TAP_3001006			
SHEET NO. 121A of 229			

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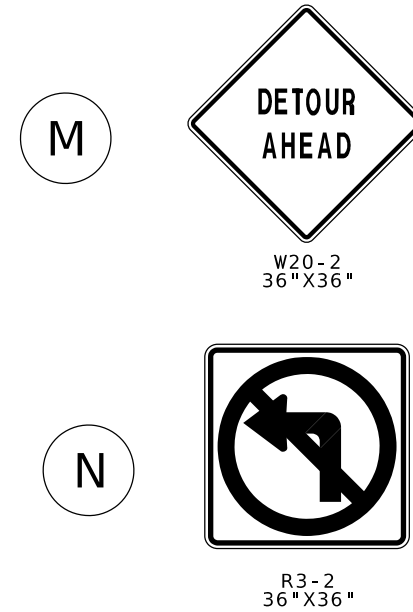
PHASE 1B NOTES

1. TRAFFIC CONTROL SHOWN FOR TIMES WHEN PHASE 1B WORK AREA IS CLOSED TO TRAFFIC.
2. IN ADVANCE OF THE WORK AREA, TYPE 3 BARRICADES ARE TO BE PLACED BEHIND THE CURBS ON EACH SIDE OF THE STREET.
3. ONE 12' EASTBOUND LANE TO BE MAINTAINED AT ALL TIMES.
4. WHEN ACCESS IS ALLOWED WITHIN THE WORK AREA FOR LOCAL TRAFFIC, TYPE 3 BARRICADES SHALL BE STAGGERED WITHIN THE ROADWAY TO ALLOW ACCESS INSTEAD OF COMPLETELY CLOSING THE STREET.
5. SEE TEMPORARY TRAFFIC CONTROL STANDARD DRAWING TC-1 (SHEET 119) FOR SIGN LEGEND.
6. CONTRACTOR TO MAINTAIN ACCESS TO PARKING LOTS WITHIN THE WORK AREA DURING PHASE 1B.

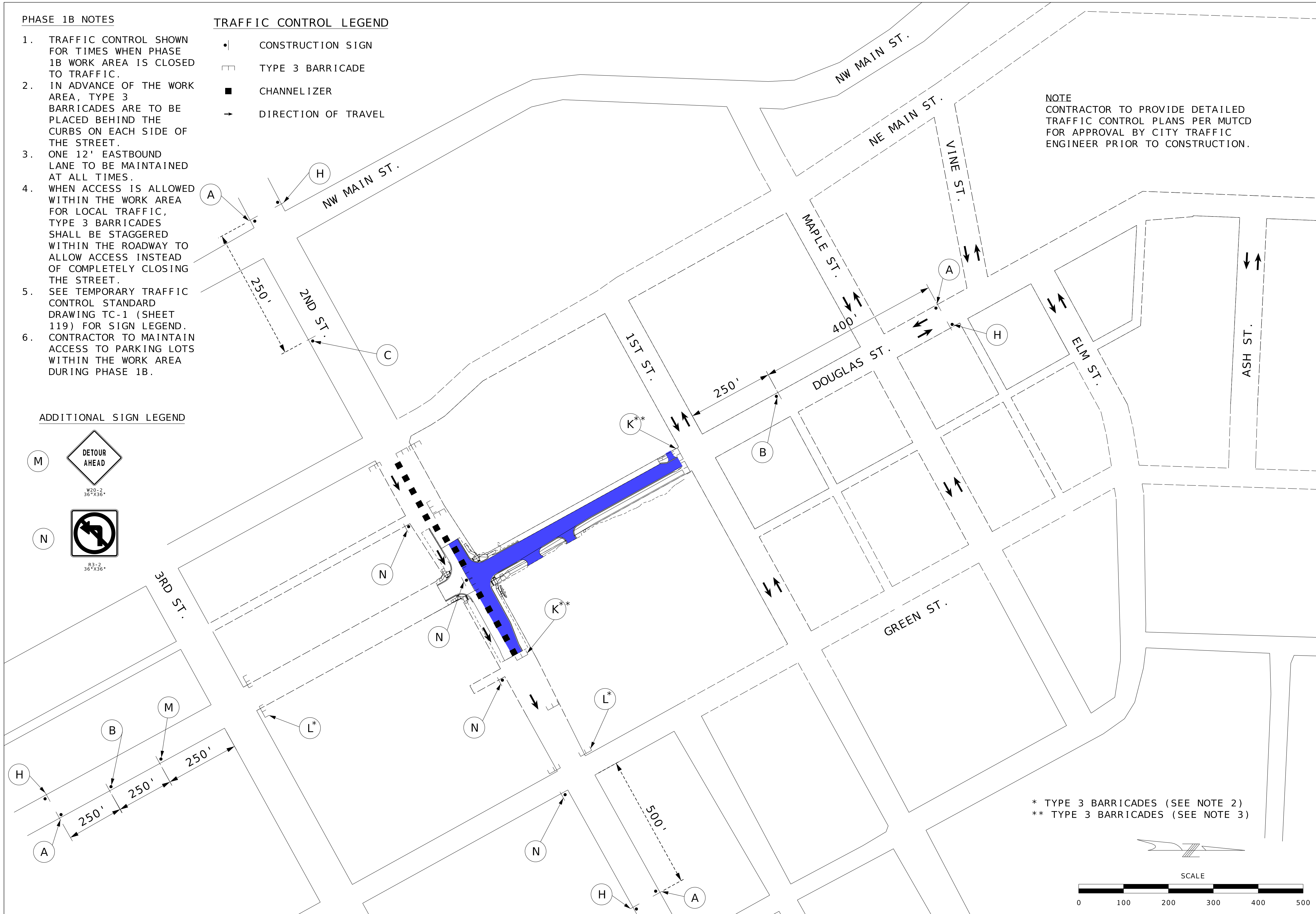
TRAFFIC CONTROL LEGEND

- CONSTRUCTION SIGN
- ▭ TYPE 3 BARRICADE
- CHANNELIZER
- DIRECTION OF TRAVEL

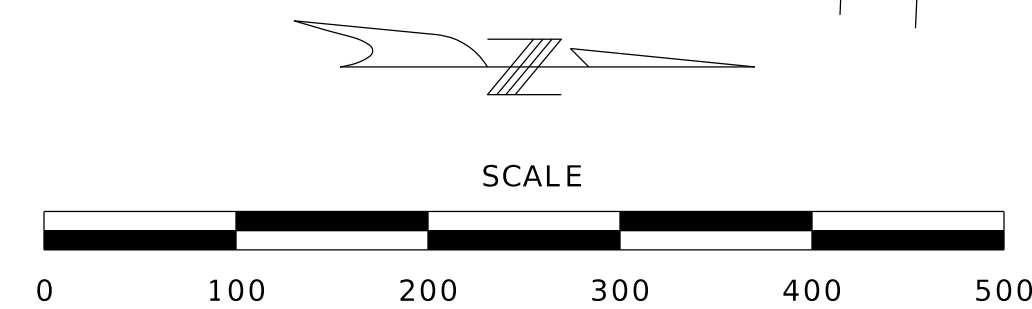
ADDITIONAL SIGN LEGEND



NOTE  
CONTRACTOR TO PROVIDE DETAILED TRAFFIC CONTROL PLANS PER MUTCD FOR APPROVAL BY CITY TRAFFIC ENGINEER PRIOR TO CONSTRUCTION.



\* TYPE 3 BARRICADES (SEE NOTE 2)  
\*\* TYPE 3 BARRICADES (SEE NOTE 3)



REVISIONS	DATE	5/27/2026	Phase 1B Traffic Control Revisions
VERTICAL SCALE:	DESIGNED BY:	Kimley-Horn	
	DRAWN BY:	KIMLEY-HORN AND ASSOCIATES, INC. 805 PENNSYLVANIA AVENUE, SUITE 150 KANSAS CITY, MO 64105 PHONE : 816-652-0350 WWW.KIMLEY-HORN.COM	
	CHECKED BY:	JDM	
	DATE:	5/28/2026	
	PROJECT:	DOUGLAS STREET IMPROVEMENTS LEE'S SUMMIT, MO 64063 FINAL PLANS	
	TITLE:	TRAFFIC CONTROL PHASE 1B	
	DATE:	5/28/2026	
	FEDERAL-AID NUMBER:	TAP 3001006	
	SHEET NO.:	121B of 229	

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

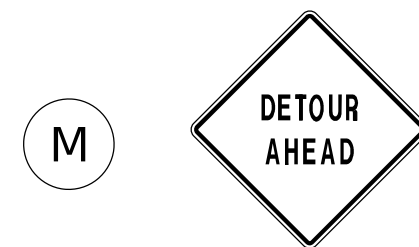
PHASE 1 DETOUR PLAN NOTES

1. DETOUR ROUTE FOR 2ND STREET WILL FOLLOW 1ST STREET BETWEEN JOHNSON STREET AND MAIN STREET.
2. DETOUR ROUTE FOR 2ND STREET SHALL WILL FOLLOW 3RD STREET, BETWEEN MARKET STREET AND JOHNSON STREET.
3. CONTRACTOR SHALL FURNISH AND INSTALL ONE VARIABLE MESSAGE BOARD FOR EACH DIRECTION OF TRAFFIC ON DOUGLAS STREET IN ADVANCE OF THE WORK AREA. THE MESSAGES AND LOCATION OF MESSAGE BOARDS SHALL BE AS APPROVED BY THE ENGINEER.

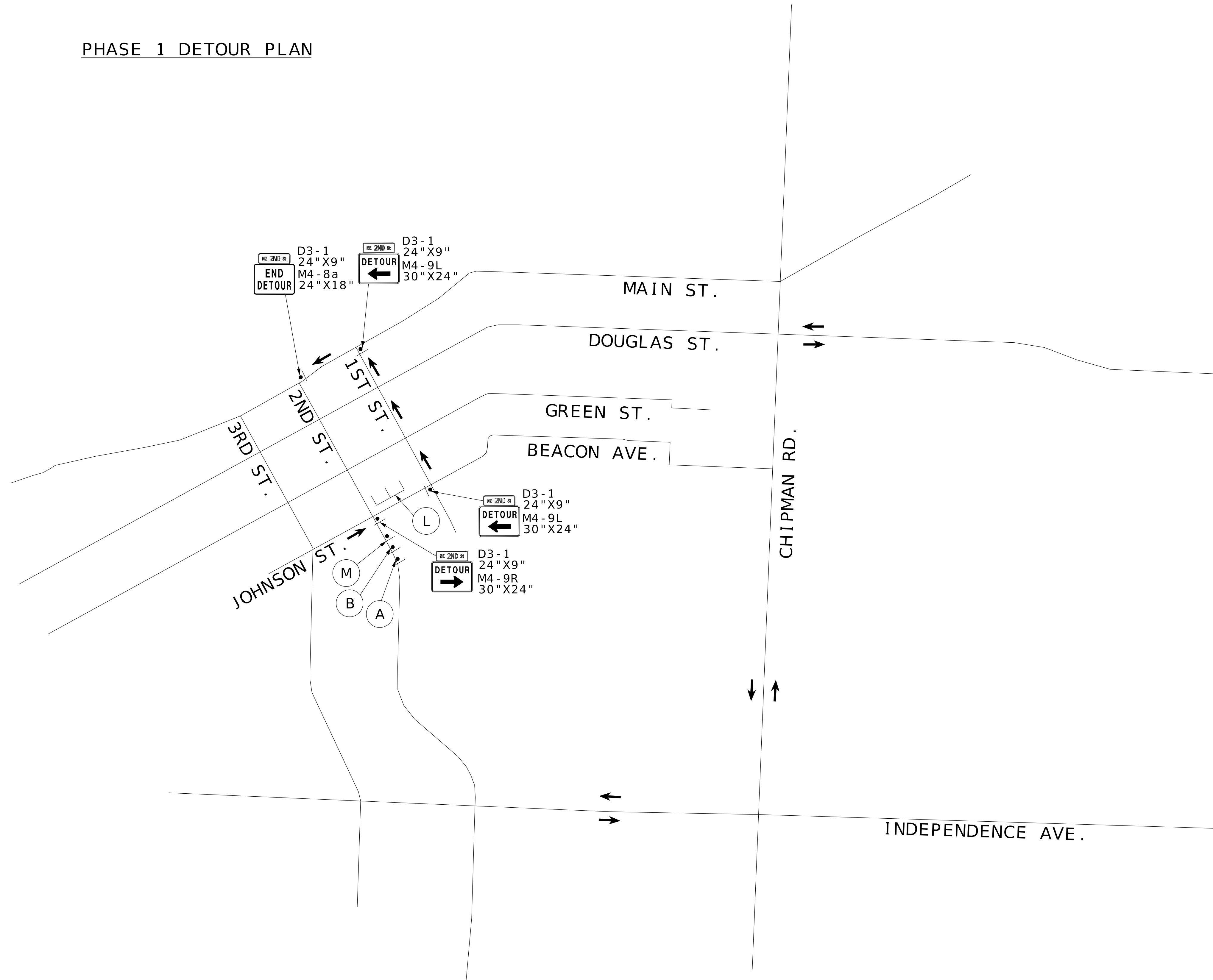
TRAFFIC CONTROL LEGEND

- CONSTRUCTION SIGN
- TYPE 3 BARRICADE
- DIRECTION OF TRAVEL

ADDITIONAL SIGN LEGEND



PHASE 1 DETOUR PLAN



REVISIONS	
DATE	5/27/2026
Phase 1 Detour Map Revisions	
KIMLEY-HORN AND ASSOCIATES, INC. 805 PENNSYLVANIA AVENUE, SUITE 150 KANSAS CITY, MO 64105 PHONE : 816-652-0350 WWW.KIMLEY-HORN.COM	
VERTICAL SCALE:	
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	JDM
5/28/2026	
DOUGLAS STREET IMPROVEMENTS LEE'S SUMMIT, MO 64063 FINAL PLANS	
PHASE 1 DETOUR MAP	
DATE: 5/28/2026	
FEDERAL-AID NUMBER:	
TAP_3001006	
SHEET NO.	
127 of 229	

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

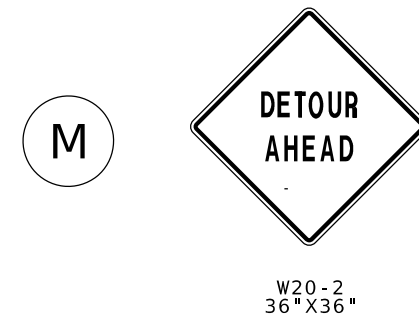
PHASE 2-4 DETOUR PLAN NOTES

1. DETOUR ROUTE FOR DOUGLAS STREET WILL FOLLOW INDEPENDENCE AVENUE BETWEEN CHIPMAN ROAD AND 2ND STREET.
2. CONTRACTOR SHALL FURNISH AND INSTALL ONE VARIABLE MESSAGE BOARD FOR EACH DIRECTION OF TRAFFIC ON DOUGLAS STREET IN ADVANCE OF THE WORK AREA. THE MESSAGES AND LOCATION OF MESSAGE BOARDS SHALL BE AS APPROVED BY THE ENGINEER.

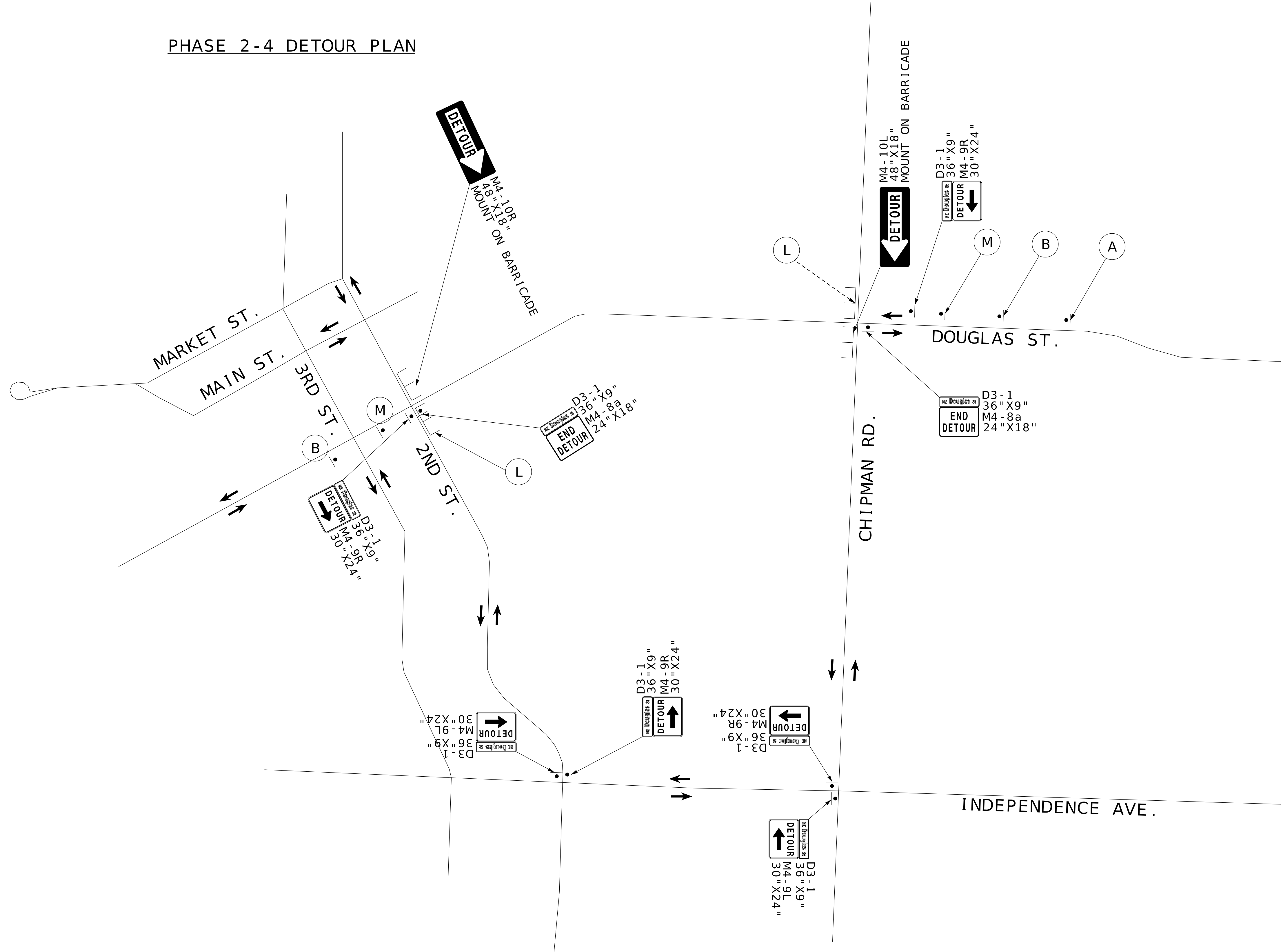
TRAFFIC CONTROL LEGEND

- CONSTRUCTION SIGN
- TYPE 3 BARRICADE
- DIRECTION OF TRAVEL

ADDITIONAL SIGN LEGEND



PHASE 2-4 DETOUR PLAN



KIMLEY-HORN AND ASSOCIATES, INC. 805 PENNSYLVANIA AVENUE, SUITE 150 KANSAS CITY, MO 64105 PHONE : 816-652-0350 WWW.KIMLEY-HORN.COM	REVISIONS DATE: 5/27/2026 Phase 2-4 Detour Map Revisions
VERTICAL SCALE: DESIGNED BY: DRAWN BY: CHECKED BY: JDM	STATE OF MISSOURI JEFF D. MCKERROW PROFESSIONAL ENGINEER NUMBER 200062148 5/28/2026
DOUGLAS STREET IMPROVEMENTS LEE'S SUMMIT, MO 64003 FINAL PLANS	
PHASE 2-4 DETOUR MAP	
DATE: 5/28/2026	
FEDERAL-AID NUMBER: TAP 3001006	
SHEET NO. 128 of 229	

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

GENERAL NOTES:

1. THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE PLANS (APPROVED BY THE CITY OF LEE'S SUMMIT) AND ONE (1) COPY OF THE APPROPRIATE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATION AT THE JOB SITE AT ALL TIMES.
2. CONSTRUCTION OF THE IMPROVEMENTS SHOWN OR IMPLIED BY THIS SET OF DRAWINGS SHALL NOT BE INITIATED OR ANY PART THEREOF UNDERTAKEN UNTIL THE DIRECTOR OF PUBLIC WORKS OR HIS AGENT IS NOTIFIED OF SUCH INTENT, AND ALL REQUIRED AND PROPERLY EXECUTED BONDS AND CONTRACT AGREEMENTS ARE RECEIVED AND APPROVED BY THE CITY.
3. THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO ALL APPLICABLE STANDARDS AND SPECIFICATIONS OF THE PUBLIC WORKS DEPARTMENT OF THE CITY OF LEE'S SUMMIT, MISSOURI, IN CURRENT USE, SPECIFICALLY, BUT NOT EXCLUSIVE TO: TRAFFIC SIGNAL SPECIFICATION: SECTION 2900 TRAFFIC SIGNAL STANDARD DRAWINGS: DRAWINGS TS-1 THROUGH TS-9
4. ALL WORKMANSHIP AND MATERIALS SHALL BE SUBJECT TO THE INSPECTION AND APPROVAL OF THE PUBLIC WORKS DEPARTMENT OF THE CITY OF LEE'S SUMMIT, MISSOURI.
5. RIGHT-OF-WAY LIMITS AND EASEMENTS SHOULD BE CROSS CHECKED BY THE CONTRACTOR AND APPROVED BY THE FIELD INSPECTOR BEFORE UNDERTAKING ANY EXCAVATIONS TO THE SITE.
6. THE CONTRACTOR SHALL STAKE THE LOCATION OF ALL POLES, PULL BOXES, AND CONTROLLER CABINET BASE, THEN PROVIDE THE CITY ONE WEEK NOTICE PRIOR TO THE START OF CONSTRUCTION, AND SUBSEQUENT CONSTRUCTION ACTIVITIES FOR INSPECTION AND APPROVAL. THE CONTRACTOR SHALL PROVIDE A WORK SCHEDULE, CONTACT NAMES, AND PHONE NUMBERS. NOTIFICATION AND COORDINATION SHALL BE WITH THE CITY'S TRAFFIC ENGINEER.
7. ALL LOCATIONS INDICATED IN DRAWINGS, INCLUDING CONDUIT RUNS ARE SUBJECT TO ADJUSTMENT TO CLEAR OBSTRUCTIONS AND TO MEET SITE CONDITIONS, IF ANY, BY THE CITY.
8. EXISTENCE AND LOCATION OF ANY UNDERGROUND OR OVERHEAD FACILITIES SHOWN ON THESE DRAWINGS OR REFERENCE TO ANY SOIL CONDITIONS, IF MADE, ARE APPROXIMATE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL SITE CONDITIONS AND LOCATE ALL UTILITIES, INCLUDING DEPTH, BEFORE STARTING CONSTRUCTION SO THAT ANY ADJUSTMENTS TO DESIGN CAN BE MADE PRIOR TO POLE ORDERING OR FABRICATION. IN ADDITION, THE CONTRACTOR SHALL AVOID DISRUPTION OF SERVICES PROVIDED BY THE UTILITIES AND SHALL ENSURE THAT PROPER CLEARANCES (OVERHEAD AND UNDERGROUND) ARE MAINTAINED FOR THE DURATION OF CONSTRUCTION. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES CAUSED BY FAILURE TO EXACTLY LOCATE AND PRESERVE ALL UTILITIES.
9. THE CONTRACTOR SHALL COORDINATE WITH THE CITY TRAFFIC ENGINEER FOR ANY NECESSARY CHANGES TO THE TRAFFIC SIGNALS RESULTING FROM EXISTING UTILITIES OR OTHER CONSTRUCTION ISSUES.
10. ANY EQUIPMENT DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
11. SIGNAL EQUIPMENT SHALL NOT FORM AN OBSTRUCTION TO THE MOVEMENT OF PEDESTRIAN AND WHEELCHAIR TRAFFIC AND SHALL BE ADA ACCESSIBLE. WHERE SIDEWALKS ARE PRESENT, A MINIMUM CLEAR WIDTH OF 48 INCHES SHALL BE AVAILABLE FOR PEDESTRIAN AND WHEELCHAIR MOVEMENT. PULL BOXES SHALL NOT BE INSTALLED WITHIN SIDEWALK RAMPS.
12. CONDUITS TO BE PLACED OUTSIDE OF PAVED AREAS SHALL BE TRENCHED IN PLACE. ALL COMPACTION AND BACKFILL SHALL MEET CITY OF LEE'S SUMMIT REQUIREMENTS. AT THE OPTION OF THE CONTRACTOR, CONDUITS MAY BE BORED OUTSIDE PAVED AREAS. CONDUITS TO BE PLACED WITHIN THE LIMITS OF PAVEMENT SHALL BE BORED UNLESS OTHERWISE AUTHORIZED BY THE CITY TRAFFIC ENGINEER.
13. THE CONTRACTOR SHALL COORDINATE ALL ELECTRICAL POWER REQUIREMENTS AND CONNECTION ACTIVITIES WITH THE ELECTRIC UTILITY COMPANY, INCLUDING LOCATION OF THE METER, CIRCUITRY AND CONNECTION REQUIREMENTS, AND POWERING UP THE COMPLETE SYSTEM. THE CONTRACTOR IS REQUIRED TO REQUEST METER INSTALLATION AND PAY ALL ELECTRIC BILLS AND SERVICE FEES.
14. ALL DISTURBED SURFACES SHALL BE MADE GOOD TO MATCH EXISTING AT THE CONTRACTOR'S EXPENSE.
15. CONTRACTOR SHALL MAINTAIN VEHICLE AND PEDESTRIAN TRAFFIC AT ALL TIMES.
16. FINAL ACCEPTANCE SHALL BE DEFINED AS FINAL WRITTEN APPROVAL AND ACCEPTANCE BY THE CITY, INCLUDING COMPLETION OR CORRECTION OF ALL PUNCH LIST ITEMS AND THE TRAFFIC SIGNAL IS FULLY OPERATIONAL FOR A TIME PERIOD OF FIFTEEN (15) DAYS, WITHOUT ANY DEFICIENCIES, AS NOTED IN THE SPECIFICATIONS.

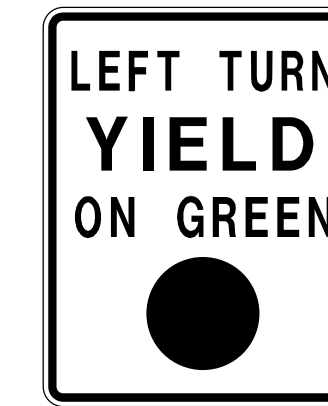
PROJECT SPECIFIC NOTES:

1. ANY WORK NOT COVERED BY THESE DRAWINGS OR SPECIFICATIONS SHALL BE SUBJECT TO THE CITY OF LEE'S SUMMIT DESIGN & CONSTRUCTION MANUAL.
2. THE CONTRACTOR SHALL CONTACT THE PUBLIC WORKS OPERATIONS DEPARTMENT (816-969-1870) TO PROGRAM THE SIGNAL CONTROLLER. THE CONTRACTOR SHALL PROVIDE AT LEAST 10 WORKING DAYS NOTICE PRIOR TO INITIATING FLASHING SIGNAL OPERATION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL EQUIPMENT THAT IS NOT SALVAGED.
4. THE TOP 6" OF ALL BACKFILL AREAS SHALL BE TOPSOIL. ALL UNPAVED SURFACES DISTURBED BY CONSTRUCTION SHALL BE SODDED.
5. ALL PEDESTRIAN PUSHBUTTONS SHALL BE INSTALLED ADACENT TO ADA COMPLIANT LEVEL LANDING SURFACES.
6. MAINTAIN A 10" MAXIMUM REACH FROM A LEVEL LANDING TO THE PEDESTRIAN PUSHBUTTON. MOUNTING EXTENSION BRACKETS SHALL BE USED IF A 10" MAXIMUM REACH CANNOT BE ACHIEVED. 10. SHOP DRAWINGS SHALL BE APPROVED BY THE CITY PRIOR TO INSTALLING SIGNAL EQUIPMENT.
7. ALL PEDESTRIAN PUSHBUTTON DETECTORS SHALL MEET THE CURRENT MUTCD REQUIREMENTS FOR ACCESSIBLE PEDESTRIAN SIGNALS.
8. THE POLES, MAST SIGNAL HEADS, BRACKETS, PEDESTRIAN POLES, AND ALL THEIR APPURTENANCES SHALL BE BLACK.

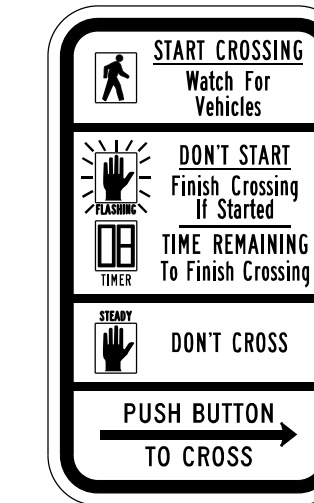
LEGEND:

- OPTICALLY LIMITING TRAFFIC SIGNAL HEAD
- TRAFFIC SIGNAL HEAD
- TRAFFIC SIGNAL HEAD WITH BACKPLATE
- PEDESTRIAN SIGNAL HEAD
- STOP LINE
- LANE USE
- WOOD POLE
- MAST ARM POLE
- SIGNAL PEDESTAL POLE
- TRAFFIC CONTROLLER CABINET
- PULL BOX
- SPAN WIRE SIGNAL HEAD
- FIBER OPTIC PULL BOX
- POWER SUPPLY (DISCONNECT)
- SUGGESTED VEHICLE DETECTION ZONE
- INDUCTION LOOP DETECTOR
- PUSH BUTTON DETECTOR
- EMERGENCY VEHICLE DETECTOR (EVD)
- SECONDARY SERVICE POINT
- EXISTING CONDUIT
- PROPOSED CONDUIT
- SIGNAL FACE NUMBER
- POST NUMBER
- DETECTOR NUMBER
- PULL BOX NUMBER
- PUSH BUTTON NUMBER
- COBRA HEAD LUMINAIRE
- VIDEO DETECTION CAMERA

TYPICAL REGULATORY SIGN DETAIL:

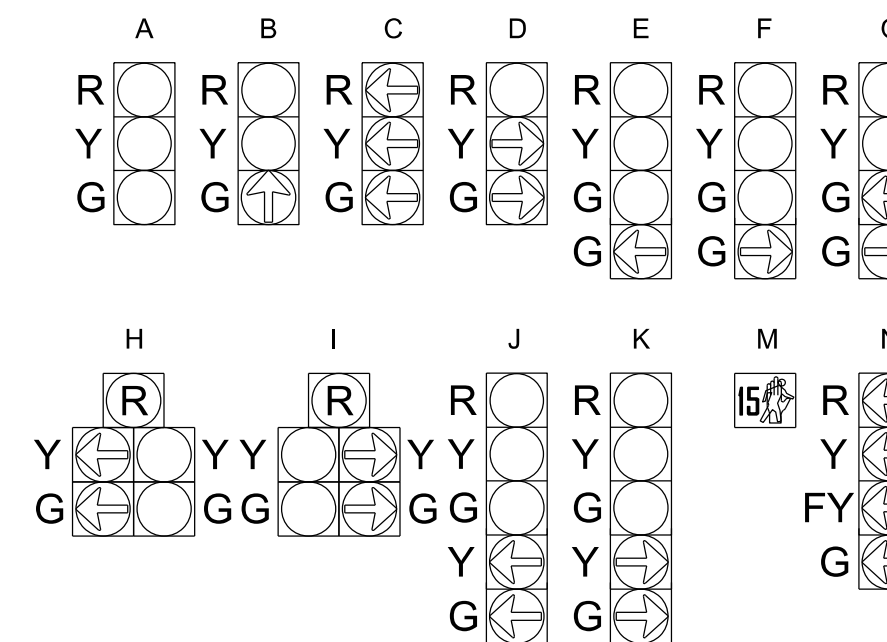


R10-12



R10-3eR

NOTE:  
SIGN R10-3E SHALL BE PROVIDED FOR EACH PUSH BUTTON. ARROWS SHALL BE ORIENTED AS INDICATED IN THE PEDESTRIAN PUSHBUTTON LOCATION DIAGRAM.



NOTE:  
ALL INDICATIONS SHALL BE LED.

<p>KIMLEY-HORN AND ASSOCIATES, INC. 805 PENNSYLVANIA AVENUE, SUITE 150 KANSAS CITY, MO 64105 PHONE: 816-652-0350 WWW.KIMLEY-HORN.COM</p>	
<p>DESIGNED BY: JJW</p> <p>DRAWN BY: LDA</p> <p>CHECKED BY: JDM</p>	<p>DATE: 5/27/2026</p> <p>REVISIONS:</p>
<p>DOUGLAS STREET IMPROVEMENTS LEE'S SUMMIT, MO 64003 FINAL PLANS</p>	<p>2ND &amp; DOUGLAS SIGNAL GENERAL NOTES</p>
<p>DATE: 5/28/2026</p> <p>FEDERAL-AID NUMBER: TAP_3001006</p> <p>SHEET NO. 132 of 229</p>	<p>IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.</p>