



## **Addendum #2**

STBG-3356 (409)

Markey Parkway Extension

September 30, 2024

**1. What type of pipe shall be used for the sanitary sewer force main?**

We are going to require it to be fused HDPE pipe.

**2. General Note 12 on the plans states that "All PCCP exposed to ambient air shall be KCMMB 5K mix, including inverts of storm structures". In the specifications for the line items, KCMMB 4K is called out for Curb and gutter, median nose, colored concrete, sidewalk, etc. Only the 10" PCCP calls out for KCMMB 5K mix. Which statement should be used for bidding?**

The specifications are correct and the general note is incorrect. KCMMB 5K shall be used for the concrete pavement and all other exposed concrete shall be KCMMB 4K. Please replace sheet 2 in the plans with the one attached to correct this.

**3. Earthwork notes on sheet 4 estimate 14,928 CY of excavation and 12,655 CY of embankment. Our end area takeoff totaled 16,421 CY excavation and 6,912 CY of embankment. This is a substantial difference in the amount of spoil that would need to be hauled off. Can you confirm the estimates in the plans are correct?**

The quantities in the plans were incorrect, and your quantities are a lot closer. They were recalculated in AutoCAD to be 17467 CY of unclassified excavation and 6093 CY of embankment. Sheet 5 has been updated and is attached to reflect the correct quantities.

**4. Are pipe spoils and/or existing pavement removals factored into the earthwork estimate?**  
No.

**5. The earthwork items are lump sum. Should overrun or underrun occur how will that be handled?**

Since the item is lump sum, the payment will not change if we go over or come in under the estimated CY quantity in the plans.

**6. MoDOT may require a project specific SWPPP plan. There is not one included in the contract docs. Will a project specific SWPPP be required and if so will it be the contractors responsibility to have one designed by an engineer? Would a line be added to the contract or would it be subsidiary (if subsidiary to which item)?**

The following general note will be added to the plans on sheet 2 of 128 (attached): "THE CONTRACTOR SHALL PREPARE AND OBTAIN AN MDNR LAND DISTURBANCE PERMIT AND ASSOCIATED STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PRIOR TO CONSTRUCTION. THE EROSION CONTROL PLAN INCLUDED WITH THESE PLANS WAS PREPARED GIVEN THE BEST INFORMATION AVAILABLE DURING DESIGN AND IS PROVIDED HEREIN FOR



INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR SHALL DEVELOP A NEW EROSION CONTROL PLAN, THEY INTEND TO IMPLEMENT BASED ON CURRENT SITE CONDITIONS. THE CONTRACTOR'S PLAN SHALL COMPLY WITH ALL NPDES REQUIREMENTS, CATEGORY 806 OF THE MODOT ENGINEERING POLICY GUIDE, AND THE MINIMUM REQUIREMENTS SHOWN HEREIN."

This work shall be subsidiary to the Erosion Control pay item.

- 7. "Buy America" provision is required if greater than \$500,000.00 of the project is federally funded. Can you provide the amount of Fed funds for this project and/or if Buy America provision must be adhered to?**

This is a federal-aid project and all federal-aid projects shall adhere to the Buy America Provision. See section 106.9 of the 2023 October edition of the MoDOT Standard Specifications for Highway Construction further details.

- 8. Does the City have an anticipated NTP date?**

The intent is for the project to begin in the late winter/very early spring of 2025.

- 9. What are the insurance requirements?**

See section 107 of the 2023 October edition of the MoDOT Standard Specifications for Highway Construction further details.

- 10. Is there retainage and what are the payment terms?**

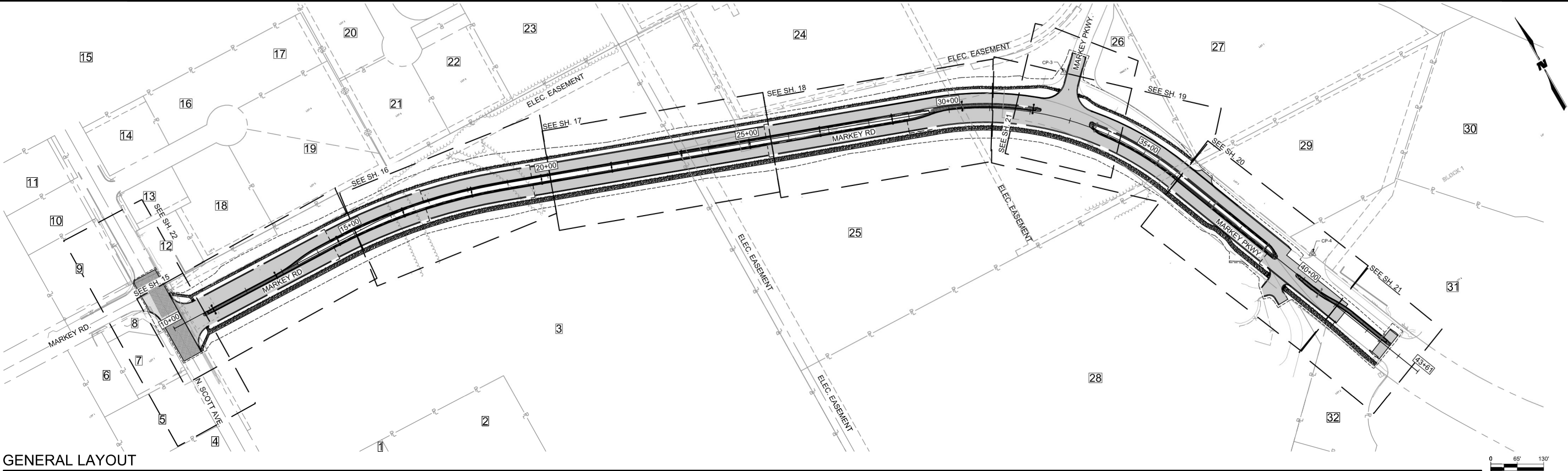
This is a federal-aid project, so there will be no retainage. Pay requests will be sent to the City for approval using the City's pay application form.

- 11. Is there a warranty/maintenance bond required?**

No, there is no warranty or maintenance bond for this project.

**Bidders shall replace plan sheets 2 & 5 with the attached sheets to correct the general notes and the estimated earthwork quantities.**

LAST SAVED BY AJMCKEAN Plotted : 7/19/2024 File : M:\TRM20-100-045-451\_PROJECT\_INFO\CORRESPONDENCE\DATA\IN2\_DISCIPLINES\ SHEETS1\_ SHEETS - GENERAL\2010004545\_GLAY\_01.DWG



GENERAL LAYOUT

GENERAL NOTES

- THE STANDARD SPECIFICATIONS AND DESIGN CRITERIA OF THE CITY OF BELTON, KANSAS CITY METROPOLITAN CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION, AND 2023 MoDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION SHALL GOVERN THE CONSTRUCTION OF ALL PUBLIC IMPROVEMENTS FOR THIS PROJECT.
- THE CONTRACTOR SHALL NOT WORK ON SATURDAYS, SUNDAYS, OR HOLIDAYS ON PORTIONS OF WORK UNLESS REQUESTED AT LEAST FORTY EIGHT(48) HOURS IN ADVANCE AND WHEN APPROVED BY THE CITY ENGINEER.
- ALL EXISTING UTILITIES INDICATED ON THESE IMPROVEMENT PLANS ARE ACCORDING TO THE BEST INFORMATION AVAILABLE TO THE DESIGN ENGINEER; HOWEVER, ALL EXISTING UTILITIES MAY NOT BE SHOWN. UTILITIES DAMAGED BY THE CONTRACTOR WHILE LOCATING OR DURING CONSTRUCTION SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR, PRIOR TO CONSTRUCTION, SHALL VERIFY THE LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES. THE REPAIR OF ANY DAMAGE TO SAID UTILITIES SHALL BE AT THE COST OF THE CONTRACTOR. ANY UTILITIES FOUND TO BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER. PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR SHALL NOTIFY THOSE COMPANIES WHICH HAVE FACILITIES IN THE NEAR VICINITY OF THE CONSTRUCTION TO BE PERFORMED. ENCROACHMENTS SUCH AS TELEPHONE, POWER, AND CABLE T.V. POLES SHALL BE MOVED BY THE UTILITY OWNER AND COORDINATED BY THE CONTRACTOR AFTER WRITTEN APPROVAL FROM THE OWNER, UNLESS OTHERWISE NOTED.
- ALL BACKFILL SHALL BE TAMPED OR COMPACTED AS SPECIFIED PER THE CONTRACT SPECIFICATIONS.
- ALL SEDIMENT AND EROSION CONTROL MEASURES SPECIFIED ON THE PLANS SHALL BE IN PLACE PRIOR TO COMMENCING ANY LAND DISTURBANCE ACTIVITIES ON THE SITE. CONTRACTOR SHALL BE REQUIRED TO SIGN AND ABIDE BY STORMWATER POLLUTION PREVENTION PLAN (SWPPP). CONTRACTOR SHALL ABIDE BY THE MISSOURI CLEAN WATER LAW, INCLUDING ALL RULES, REGULATIONS, ORDERS AND DECISIONS.
- CONTRACTOR SHALL CLEAR AND GRUB ALL TREES WITHIN THE GRADING LIMITS UNLESS OTHERWISE NOTED. REMOVAL OF A TREE INCLUDES REMOVAL OF ALL BRANCHES, ROOTS, AND BRUSH WITHIN THE CANOPY LIMITS OF THE TREE. THE CONTRACTOR IS REQUIRED TO EXERCISE PARTICULAR CARE DURING EXCAVATION TO PREVENT UNNECESSARY DAMAGE TO TREES, RETAINING WALLS, STRUCTURES, UTILITIES, ETC. IN THE VICINITY OF CONSTRUCTION, ONLY THOSE TREES IN DIRECT CONFLICT WITH CONSTRUCTION OPERATIONS SHALL BE REMOVED, AS AGREED UPON BETWEEN THE CONTRACTOR AND CITY REPRESENTATIVE. ALL TREES THAT ARE DEFINITELY TO BE SAVED SHALL BE MARKED BY THE CONTRACTOR AND SHALL BE FENCED AT THE DRIP LINE WITH T POSTS AND ORANGE CONSTRUCTION FENCING. PER CITY'S TREE PROTECTION STANDARD DETAIL.
- CLEARING AND GRUBBING OPERATIONS AND DISPOSAL OF ALL DEBRIS THEREFROM SHALL BE PERFORMED BY THE CONTRACTOR IN STRICT ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL LAWS, CODES AND ORDINANCES. OPEN BURNING OF DEBRIS SHALL NOT BE PERMITTED.
- CONTRACTOR SHALL STRIP TOPSOIL AND VEGETATION A MINIMUM OF 6" AND STOCKPILE FOR USE AS TOPSOIL WHERE VEGETATION IS TO BE REESTABLISHED.
- ALL EXISTING CONCRETE PAVEMENT, CURB & GUTTER, DRIVEWAYS, SIDEWALKS OR BITUMINOUS SURFACING TO BE REMOVED SHALL BE SAW CUT TO THE NEAT LINES SHOWN ON THE PLANS OR TO THE NEAREST JOINT AS DIRECTED BY THE CITY. ADDITIONAL REMOVAL MAY BE ORDERED BY THE CITY. THIS WORK SHALL BE CONSIDERED SUBSIDIARY TO "CLEARING, GRUBBING AND DEMOLITION".
- EXCESS SOIL OR ROCK MATERIAL RESULTING FROM THE PROJECT SHALL BE DISPOSED OF OFF SITE BY THE CONTRACTOR. THIS WORK IS INCIDENTAL AND NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS WORK.
- THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND ELEVATIONS SHALL BE CONFIRMED BY THE CONTRACTOR AT THE JOB SITE. IF THE CONTRACTOR FINDS ANY DIMENSIONS TO BE IN ERROR OR IN QUESTION, THE ENGINEER SHALL BE PROMPTLY CONTACTED FOR CLARIFICATION PRIOR TO THE CONTINUATION OF THE WORK.
- ALL PORTLAND CEMENT CONCRETE EXPOSED TO AMBIENT AIR SHALL BE KCMMB 4K MIX, EXCEPT FOR CONCRETE PAVEMENT WHICH SHALL BE KCMMB 5K.
- ALL EXISTING DRAINAGE TILES, FOUNDATION DRAINS, SUMP PUMP DRAINS, AND/OR ROOF DRAINS ENCOUNTERED OR DAMAGED DURING CONSTRUCTION ARE TO BE RESTORED TO THEIR ORIGINAL CONDITION, PROPERLY REROUTED AND/OR CONNECTED TO THE STORM SEWER SYSTEM. THE EXTENSION, RESTORATION

- OR REROUTING OF THESE TILES OR DRAINS SHALL BE CONSIDERED SUBSIDIARY TO THE CONSTRUCTION OF THE PROPOSED STORM SEWERS.
- ALL STORM SEWER PIPE LENGTHS SHOWN ON THE PLANS ARE MEASURED FROM INSIDE FACE OF DOWNSTREAM STRUCTURE TO INSIDE FACE OF UPSTREAM STRUCTURES. (FOR BIDDING AND PAYMENT PURPOSE ONLY).
  - ALL SIGNS AND MAILBOXES IN CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED AND REPLACE.
  - DRIVEWAYS, SIDEWALKS, STREETS AND OTHER AREAS DAMAGED BY THE CONTRACTOR SHALL BE RESTORED, AT THE CONTRACTORS EXPENSE, TO A CONDITION EQUAL TO OR BETTER THAN THE EXISTING BEFORE DAMAGE OCCURRED.
  - THE CONTRACTORS IS RESPONSIBLE FOR THE PROTECTION OF ALL PROPERTY CORNERS AND SECTION CORNERS. ANY PROPERTY CORNERS OR SECTION CORNERS DISTURBED OR DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE RESET BY A REGISTERED LAND SURVEYOR LICENSED IN THE STATE OF MISSOURI, AT THE CONTRACTOR'S EXPENSE.
  - ALL STORM SEWER STRUCTURES USED FOR THE PROJECT SHALL BE PRECAST. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR TO CASTING OF STRUCTURES. ALL STORM SEWER STRUCTURES LIDS SHALL BE CAST IN PLACE.
  - ALL EXISTING FENCING, PLANTER WALLS, WALKS, ETC. THAT ARE DISTURBED BY THE CONTRACTOR'S OPERATION SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THE ORIGINAL CONDITION. CONTRACTOR SHALL SATISFY HIMSELF BY SITE VISIT AS TO THE EXTENT AND NATURE OF SUCH WORK IN PREPARING HIS BID. THIS WORK SHALL BE SUBSIDIARY TO OTHER BID ITEMS.
  - ALL DISTURBED AREAS SHALL BE RESTORED WITH TOPSOIL, SEED & A STAKED DOWN EROSION CONTROL BLANKET. ANY AREAS DISTURBED OUTSIDE OF THE LIMITS SHOWN ON THE PLANS SHALL BE SEEDED AT NO ADDITIONAL COST.
  - ACCESS TO PROPERTIES SHALL BE MAINTAINED AT ALL TIMES. IF CONSTRUCTION ACROSS A DRIVEWAY IS TO TAKE MORE THAN 24 HOURS, ONE HALF OF THE DRIVE SHALL REMAIN IN SERVICE UNTIL THE OTHER HALF IS RECONSTRUCTED AND IN SERVICE OR ALTERNATE ACCESS PROVIDED.
  - ALL FENCING WITHIN THE WORK LIMITS SHALL BE PROTECTED OR RESTORED TO PRIOR CONDITIONS UPON COMPLETION OF THE WORK. WHETHER SO NOTED ON THE PLANS OR NOT. CONTRACTOR SHALL PROVIDE TEMPORARY FENCING FOR ANY RESIDENTS WHO OWN PETS OR WHO OTHERWISE REQUEST TEMPORARY FENCING. CONTRACTOR SHALL COORDINATE THE TEMPORARY FENCING LOCATION WITH THE RESIDENT, CITY, AND ENGINEER. TEMPORARY FENCING SHALL BE SUBSIDIARY TO OTHER BID ITEMS.
  - THE CONTRACTOR SHALL MAINTAIN DRAINAGE DURING CONSTRUCTION AND IS RESPONSIBLE FOR ANY DEWATERING NECESSARY FOR CONSTRUCTION. DEWATERING SHALL BE SUBSIDIARY TO THER BID ITEMS.
  - ALL EQUIPMENT USED BY THE CONTRACTOR HAVING METAL TRACKS SHALL NOT BE DRIVEN OVER CITY STREETS OTHER THAN THOSE BEING DISRUPTED BY STORM SEWER TRENCHING. SUCH EQUIPMENT MUST BE TRANSPORTED.
  - CONTRACTOR SHALL NOTIFY EACH IMPACTED PROPERTY OWNER OF THE ANTICIPATED CONSTRUCTION ACTIVITY 48 HOURS PRIOR TO BEGINNING WORK. THE NOTIFACATION METHOD SHALL BE OF SUITABLE MEANS, AND APPROVED BY THE CITY ENGINEER.
  - THE LOCATION POINT FOR ALL STORM SEWER STRUCTURES SHALL BE CENTER OF STRUCTURE AS INDICATED ON PLAN SHEETS.
  - ALL WORK REQUIRED TO COMPLETE THE PROJECT BUT WHICH IS NOT SPECIFICALLY CALLED OUT IN A PAY ITEM SHALL BE SUBSIDIARY TO OTHER PAY ITEMS.
  - THE CONTRACTOR SHALL PREPARE AND OBTAIN AN MDNR LAND DISTURBANCE PERMIT AND ASSOCIATED STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PRIOR TO CONSTRUCTION. THE EROSION CONTROL PLAN INCLUDED WITH THESE PLANS WAS PREPARED GIVEN THE BEST INFORMATION AVAILABLE DURING DESIGN AND IS PROVIDED HEREIN FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR SHALL DEVELOP A NEW EROSION CONTROL PLAN, THEY INTEND TO IMPLEMENT BASED ON CURRENT SITE CONDITIONS. THE CONTRACTOR'S PLAN SHALL COMPLY WITH ALL NPDES REQUIREMENTS, CATEGORY 806 OF THE MODOT ENGINEERING POLICY GUIDE, AND THE MINIMUM REQUIREMENTS SHOWN HEREIN.

PROPERTY INFO

UID	ADDRESS	OWNER	REFERENCE
1	801 N SCOTT 803, 805 & 807 N. SCOTT AVE.	PRINCIPAL PROPERTY GROUP LLC SERIES A-1	BK. 4125 PG. 134
2	N SCOTT AVE	PGKC	
3	N SCOTT AVE	QUIKTRIP CORPORATION	BK. 3933 PG. 41
4	810 N SCOTT AVE.	HAFNIUM PROPERTIES LLC	BK. 4711 PG. 62
5	836 N. SCOTT AVE.	WOESTMAN PROPERTIES LLC	BK. 1740 PG. 14
6	115 W MARKEY RD	KORNERSTONE CONTRACTING SPECIALISTS LLC	
7	844 N SCOTT AVE	ROYAL PETROLEUM LLC	BK. 2479 PG. 39
8	N SCOTT AVE	ROYAL PETROLEUM LLC	
9	906 N SCOTT AVE	SIEWERT, JAMES E	BK. 3761 PG. 241
10	918 N SCOTT AVE	PRIME LEGACY PROPERTIES LLC	BK. 4745 PG. 71
11	924 N SCOTT AVE	STONE, JAMES & JANET TRUST	BK. 4010 PG. 127
12	903 N SCOTT AVE	SIEWERT, JAMES E	BK. 1778 PG. 115
13	105 & 107 WILBUR PARRISH CIRCLE	N. SCOTT INVESTMENT LLC	BK. 4449 PG. 148
14	106 WILBUR PARRISH CIR	TIMBERS EAST PARTNERS LLC	BK. 4787 PG. 139
15	913 N SCOTT AVE	NIYAM ENTERPRISE LLC	BK. 4137 PG. 10
16	116 WILBUR PARRISH CIR	R INVESTMENT GROUP LLC	
17	126 WILBUR PARRISH CIR	UPLAND INVESTMENT LLC	
18	115 WILBUR PARRISH CIR	DOUGLAS STATION SELF STORAGE LLC	BK. 4194 PG. 66
19	127 WILBUR PARRISH CIR	COX AIR SYSTEMS INC	BK. 1685 PG. 186
20	924 LOCUST HILL CIR	LOCUST HILL 3 LLC	
21	944 LOCUST HILL CIR	TMS INVESTMENTS	BK. 2058 PG. 16
22	947 LOCUST HILL CIR	MORGAN CONTRACTORS, INC	BK. 4969 PG. 38
23	215 LOCUST HILL RD	EVERGY MISSOURI WEST	BK. 2743 PG. 503
24	QUIK TRIP WAY	QUIKTRIP CORP	BK. 2823 PG. 615
25	MARKEY RD	QUIKTRIP CORP	BK. 3933 PG. 41
26	MARKEY RD	A2.15 800 QUIK TRIP WAY LLC	
27	800 QUIK TRIP WAY	A2.15 800 QUIK TRIP WAY LLC	
28	515 E MARKEY PKWY	CROSS ROADS UNITED METHODIST CHURCH IN BELTON	BK. 2184 PG. 36
29	500 E MARKEY PKWY	Y BELTON LLC	
30	510 E MARKEY PKWY	LIBERTY ENTERPRISE GROUP LLC	
31	520 E MARKEY PKWY	EXCHANGERIGHT NET LEASED PORTFOLIO 31 DST	
32	521 E MARKEY PKWY	Y BELTON LLC	



PROJECT NO.  
2010004545

DATE	DESCRIPTION

506 MAIN STREET  
BELTON, MO 64012  
PHONE (816-331-4331)  
FAX (816-331-6973)



CITY OF BELTON, MISSOURI  
CASS COUNTY  
MARKEY PARKWAY EXTENSION  
(STBG-3356(409))

GENERAL LAYOUT



NO SHRINK/SWELL FACTORS WERE APPLIED  
EARTHWORK QUANTITIES ARE ESTIMATED BASED ON COMPACTED AND IN PLACE SOILS

**\*\*FOR PERMANENT SIGNAGE SUMMARY OF QUANTITIES TABLE REFERENCE SH. NO. 74.**

\*\*\*FOR TEMPORARY TRAFFIC SIGNAL SUMMARY OF QUANTITIES TABLE REFERENCE SH. NO. 66

SUMMARY OF QUANTITIES			
ITEM NO.	Item Description	Total	Unit
1	MOBILIZATION	1.0	LS
2	CLEARING AND GRUBBING	1.0	LS
3	DEMOLITION AND REMOVALS	1.0	LS
4	CONSTRUCTION STAKING	1.0	LS
5	EROSION CONTROL	1.0	LS
6	UNCLASSIFIED EXCAVATION	1.0	LS
7	EMBANKMENT	1.0	LS
8	PORTLAND CEMENT CONCRETE PAVEMENT 10"	18500.0	SQYD
9	PORTLAND CEMENT CONCRETE SIDEWALK 4"	4900.0	SQYD
10	HOT-MIX ASPHALT SURFACE COURSE 2" (APWA TYPE 3)	1200.0	SQYD
11	MILLING 2"	1200.0	SQYD
12	PAVEMENT PATCH	325.0	SQYD
13	COLOR STAMPED CONCRETE 4"	17800.0	SQFT
14	MODOT TYPE 5 AGGREGATE BASE 4"	29550.0	SQYD
15	PORTLAND CEMENT TREATED BASE 9"	22350.0	SQYD
16	CONCRETE CURB AND GUTTER (COMBINED)	12500.0	LF
17	CONCRETE MEDIAN NOSE	6.0	EA
18	CONCRETE SIDEWALK RAMPS	6.0	EA
19	CONCRETE DRIVEWAY 8"	350.0	SQYD
20	STORM SEWERS, RCP CLASS III, 15"	160.0	LF
21	STORM SEWERS, RCP CLASS III, 18"	1070.0	LF
22	STORM SEWERS, RCP CLASS III, 24"	960.0	LF
23	STORM SEWERS, RCP CLASS III, 30"	1100.0	LF
24	STORM SEWERS, RCPA CLASS III, 38" X 24"	130.0	LF
25	CURB INLETS (4' X 4')	12.0	EA
26	CURB INLETS (4' X 5')	8.0	EA
27	CURB INLETS (5' X 5')	2.0	EA
28	CURB INLETS (8' X 4')	1.0	EA
29	AREA INLETS (4' X 4')	1.0	EA
30	MANHOLES, 5'-DIAMETER, ECCENTRIC CONE	1.0	EA
31	MANHOLES, 6'-DIAMETER, ECCENTRIC CONE	1.0	EA
32	PIPE UNDERDRAIN, 6"	2900.0	LF
33	WATERMAIN RELOCATION	1.0	LS
34	SANITARY SEWER FORCE MAIN RELOCATION 8"	1.0	LS
35	PERMANENT SIGNAGE	1.0	LS
36	METHYL METHACRYLATE PAVEMENT MARKING - LINE 4"	1500.0	LF
37	METHYL METHACRYLATE PAVEMENT MARKING - LINE 6"	300.0	LF
38	METHYL METHACRYLATE PAVEMENT MARKING - LINE 24"	275.0	LF
39	METHYL METHACRYLATE PAVEMENT MARKING - LEFT/RIGHT ARROWS	6.0	EA
40	METHYL METHACRYLATE PAVEMENT MARKING - WORD (ONLY)	5.0	EA
41	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	1600.0	LF
42	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	400.0	LF
43	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	100.0	LF
44	PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 24"	32.0	LF
45	PREFORMED THERMOPLASTIC PAVEMENT MARKING - LEFT/RIGHT ARROWS	6.0	EA
46	PREFORMED THERMOPLASTIC PAVEMENT MARKING - 8" BIKE SYMBOL & ARROW	2.0	EA
47	PAVEMENT MARKING TAPE - 4"	655.0	LF
48	PAVEMENT MARKING TAPE - 12" CHEVRONS	13.0	EA
49	PAVEMENT MARKING TAPE - LEFT/RIGHT ARROWS	2.0	EA
50	PAVEMENT MARKING TAPE - WORD (ONLY)	2.0	EA
51	TYPE III BARRICADES	20.0	EA
52	CONSTRUCTION SIGNS	400.0	SQFT
53	CHANNELIZERS	150.0	EA
54	ARROW BOARD	1.0	EA
55	TEMPORARY TRAFFIC SIGNAL	1.0	LS
56	PERMANENT RESTORATION	1.0	LS



PROJECT NO.  
2010004545

[illegible]

506 MAIN STREET  
BELTON, MO 64012  
PHONE (816-331-4331)  
FAX (816-331-6973)



CITY OF BELTON, MISSOURI  
CASS COUNTY  
MARKEY PARKWAY EXTENSION  
(STBG-3356(409))

## SUMMARY OF QUANTITIES