

# DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

## OFFICE OF DESIGN POLICY & SUPPORT INTERDEPARTMENTAL CORRESPONDENCE

**FILE** P.I. # 0007631 **OFFICE** Design Policy & Support  
CSHPP-0007-00(631)  
Chatham County  
GDOT District 5 - Jesup **DATE** 3/31/2016  
Multi-Use Trail: Truman Linear Park Trail  
Phase II

**FROM**  for Brent Story, State Design Policy Engineer

**TO** SEE DISTRIBUTION

**SUBJECT** APPROVED REVISED CONCEPT REPORT

Attached is the approved Revised Concept Report for the above subject project.

Attachment

**DISTRIBUTION:**

Hiral Patel, Director of Engineering  
Joe Carpenter, Director of P3/Program Delivery  
Genetha Rice-Singleton, Assistant Director of P3/Program Delivery  
Albert Shelby, State Program Delivery Engineer  
Darryl VanMeter, State Innovative Delivery Engineer  
Bobby Hilliard, Program Control Administrator  
Cindy VanDyke, State Transportation Planning Administrator  
Eric Duff, State Environmental Administrator  
Bill DuVall, State Bridge Engineer  
Andrew Heath, State Traffic Engineer  
Angela Robinson, Financial Management Administrator  
Lisa Myers, State Project Review Engineer  
Charles "Chuck" Hasty, State Materials Engineer  
Lee Upkins, State Utilities Engineer  
Richard Cobb, Statewide Location Bureau Chief  
Brad Saxon, District Engineer  
Troy Pittman, District Preconstruction Engineer  
Dallory Rozier, District Utilities Engineer  
David Moyer, Project Manager  
BOARD MEMBER - 1st Congressional District

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
REVISED PROJECT CONCEPT REPORT**

Project Type:	<u>Multi-Use Trail</u>	P.I. Number:	<u>0007631</u>
GDOT District:	<u>5 - Jesup</u>	County:	<u>Chatham</u>
Federal Route Number:	<u>N/A</u>	State Route Number:	<u>N/A</u>
Project Number:	<u>CSHPP-0007-00(631)</u>		

The originally approved conceptual design for PI 0007631 included 4.8 miles of an 8 foot shared use path, beginning at Lake Mayer and continuing to Phase I of the Truman Linear Park Trail at 52<sup>nd</sup> and Bee Road. Chatham County and the City of Savannah have agreed to split local sponsorship of the construction of Phase II. It is proposed to designate PI 0007631 as Phase II-A of the Truman Linear Park Trail to be constructed by Chatham County. The proposed 10 foot shared use path is 3.2 miles long, beginning at Lake Mayer and continuing to Jenkins High School on DeRenne Avenue. Phase II-B of the Truman Linear Park Trail will be constructed by the City of Savannah and will continue the trail from Jenkins High School on DeRenne Avenue, north to the existing trail at 52<sup>nd</sup> Street and Bee Road.

**Submitted for approval:**

*J.C. Decker* McGee Partners, Inc. 2/25/16  
 Consultant Designer & Firm Date

*Nathan Pelt* Albert Shelby 02/25/2016  
 Local Government Sponsor Date

*David H. Meyer* State Program Delivery Engineer 2/27/16  
 State Program Delivery Engineer Date

*David H. Meyer* GDOT Project Manager 2/25/16  
 GDOT Project Manager Date

**Recommendation for approval:**

\* *ERIC DUFF* 3/6/2016  
 State Environmental Administrator Date

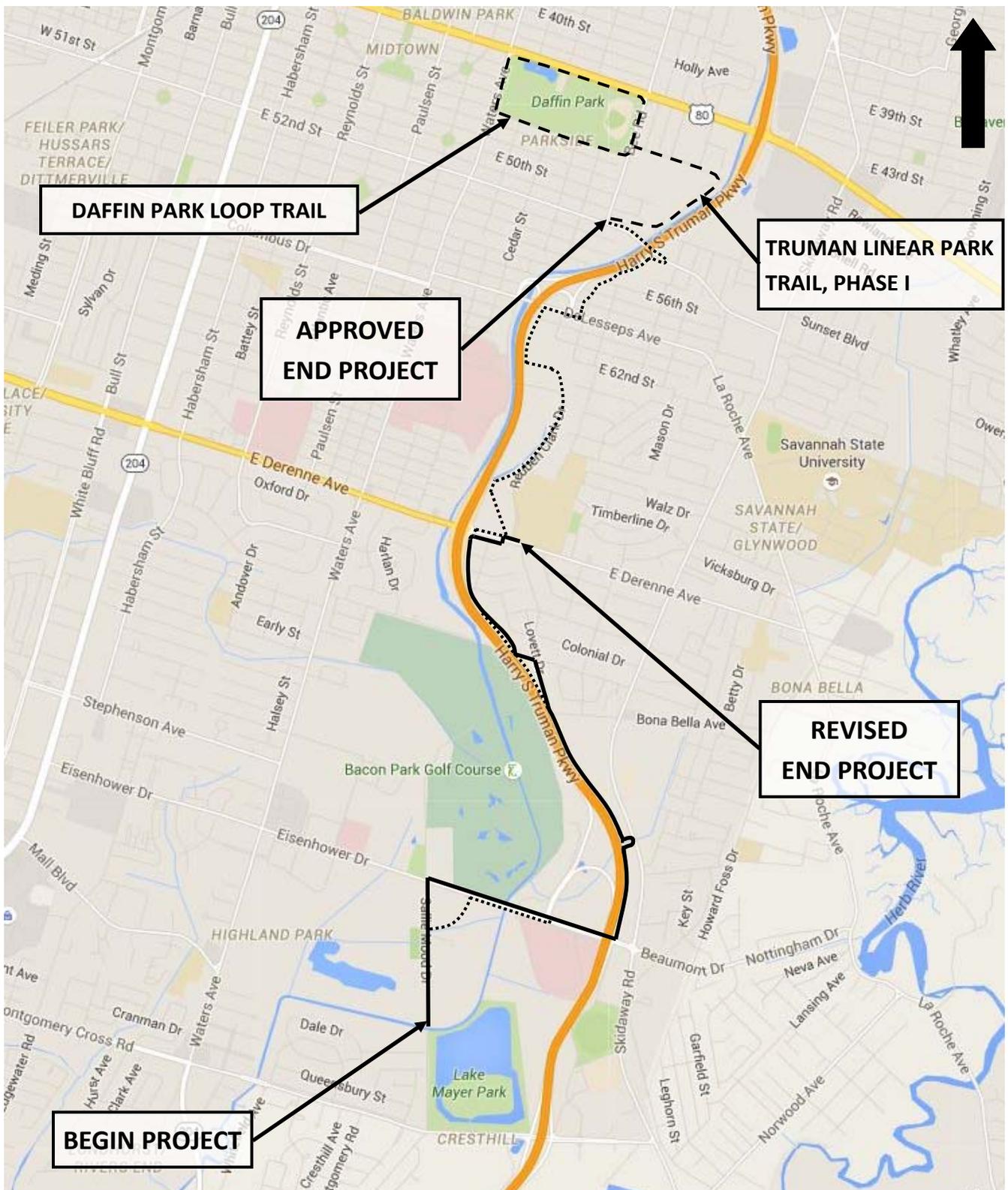
\* *CHRISTOPHER RAYMOND* 3/11/2016  
 State Traffic Engineer Date

\* *BILL DUVALL* 3/15/2016  
 State Bridge Engineer Date

- MPO Area: This project is consistent with the MPO adopted Regional Transportation Plan (RTP)/Long Range Transportation Plan (LRTP).
- Rural Area: This project is consistent with the goals outlined in the Statewide Transportation Plan (SWTP) and/or is included in the State Transportation Improvement Program (STIP).

\* *CYNTHIA L. LANDRIG* 3/3/2016  
 State Transportation Planning Administrator Date

\* RECOMMENDATION ON FILE - 



**Location Map**  
**Not to Scale**



**Design Variances and/or Exceptions needed:** None needed.

## ENVIRONMENTAL AND PERMITS

**Potential environmental impacts of proposed revision:** The proposed revision will not create additional environmental impacts. The environmental document (approved 4/25/13) will be reevaluated as a result of the proposed changes.

**Have proposed revisions been reviewed by environmental staff?**  No  Yes

**Environmental responsibilities (Studies/Documents/Permits):** Consultant

### Air Quality:

Is the project located in a PM 2.5 Non-attainment area?  No  Yes  
Is the project located in an Ozone Non-attainment area?  No  Yes  
Is a Carbon Monoxide hotspot analysis required?  No  Yes

### Environmental Comments and Information:

**NEPA:** The environmental document will be reevaluated as a result of the proposed changes.

**Ecology:** There are no additional impacts to ecological resources as a result of the proposed changes.

**Archeology:** There are no additional impacts to archeological resources as a result of the proposed changes.

**History:** There are no additional impacts to historical resources as a result of the proposed changes.

**Air Quality:** There are no additional air quality impacts as a result of the proposed changes.

**Noise Effects:** There are no additional air quality impacts as a result of the proposed changes.

**Public Involvement:** Additional public outreach is not required as a result of the proposed changes. However, an additional Public Information Open House was held on December 3, 2015, to inform the public of the project status and solicit feedback from residents and property owners in the vicinity of the proposed project.



**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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**INTERDEPARTMENT CORRESPONDENCE**

**FILE** P.I. No. 0007631

**OFFICE** Program Delivery

**PROJECT DESCRIPTION**

Truman Linear Park Trail, Phase II-A

**DATE** January 4, 2016

**From:** Albert V. Shelby III, State Program Delivery Engineer

**To:** Lisa L. Myers, State Project Review Engineer

**Subject: REVISIONS TO PROGRAMMED COSTS**

**PROJECT MANAGER** David Moyer

**MGMT LET DATE** Jun-17

**MGMT ROW DATE** Jun-16

**PROGRAMMED COSTS (TPro W/OUT INFLATION)**

**LAST ESTIMATE UPDATE**

**CONSTRUCTION** \$ 1,947,601.47

**DATE** 10/1/2014

**RIGHT OF WAY** \$ 0.00

**DATE**

**UTILITIES** \$ 0.00

**DATE**

**REVISED COST ESTIMATES**

**CONSTRUCTION\*** \$ 3,148,769.98

**RIGHT OF WAY** \$ 0.00

**UTILITIES** \$ 0.00

\*Cost Contains 15 % Contingency

**REASONS FOR COST INCREASE AND CONTINGENCY JUSTIFICATION:**

Increase in width of trail from 8' to 10'; Change in trail surface from asphalt to concrete; General recent increase in construction costs associated with the project

# CONTINGENCY SUMMARY

<b>A. CONSTRUCTION COST ESTIMATE:</b>	\$	2,604,399.49	Base Estimate From CES	
<b>B. ENGINEERING AND INSPECTION (E &amp; I):</b>	\$	130,219.97	Base Estimate (A) x	5 %
<b>C. CONTINGENCY:</b>	\$	410,192.92	Base Estimate (A) + E & I (B) x	15 %
			<a href="#">See % Table in "Risk Based Cost Estimation" Memo</a>	
<b>D. TOTAL LIQUID AC ADJUSTMENT:</b>	\$	3,957.60	Total From Liquid AC Spreadsheet	
<b>E. CONSTRUCTION TOTAL:</b>	\$	3,148,769.98	(A + B + C + D = E)	

## REIMBURSABLE UTILITY COSTS

UTILITY OWNER	REIMBURSABLE COST
TOTAL	\$ -

**ATTACHMENTS:**

Detailed Cost Estimate Printout From TRAQS Liquid AC Adjustment Spreadsheet
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**PROJ. NO.** CSHPP-0007-00(631)  
**P.I. NO.** 0007631  
**DATE** 1/4/2016

CALL NO. 9/29/2009

INDEX (TYPE)	DATE	INDEX
REG. UNLEADED	Jan-16	\$ 1.896
DIESEL		\$ 2.270
LIQUID AC		\$ 388.00

Link to Fuel and AC Index:  
<http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx>

**LIQUID AC ADJUSTMENTS**

PA=[((APM-APL)/APL)]xTMTxAPL

**Asphalt**

Price Adjustment (PA)				<b>3957.6</b>	\$	<b>3,957.60</b>
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	620.80		
Monthly Asphalt Cement Price month project let (APL)			\$	388.00		
Total Monthly Tonnage of asphalt cement (TMT)				17		

ASPHALT	Tons	%AC	AC ton	
Leveling	0	5.0%	0	
12.5 OGFC	0	5.0%	0	Jun-17
12.5 mm	60	5.0%	3	
9.5 mm SP	0	5.0%	0	
25 mm SP	200	5.0%	10	
19 mm SP	80	5.0%	4	
	<b>340</b>		<b>17</b>	

**BITUMINOUS TACK COAT**

Price Adjustment (PA)			\$	<b>95.99</b>
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	620.80
Monthly Asphalt Cement Price month project let (APL)			\$	388.00
Total Monthly Tonnage of asphalt cement (TMT)				0.412329689

Bitum Tack

Gals	gals/ton	tons
96	232.8234	0.41232969

**BITUMINOUS TACK COAT (surface treatment)**

Price Adjustment (PA)				<b>0</b>	\$	<b>-</b>
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	620.80		
Monthly Asphalt Cement Price month project let (APL)			\$	388.00		
Total Monthly Tonnage of asphalt cement (TMT)				0		

Bitum Tack	SY	Gals/SY	Gals	gals/ton	tons
Single Surf. Trmt.	0	0.20	0	232.8234	0
Double Surf.Trmt.	0	0.44	0	232.8234	0
Triple Surf. Trmt	0	0.71	0	232.8234	0

**TOTAL LIQUID AC ADJUSTMENT** \$ **3,957.60**

## STATE HIGHWAY AGENCY

DATE : 01/04/2016

PAGE : 1

## JOB ESTIMATE REPORT

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JOB NUMBER : 0007631                      SPEC YEAR: 01  
 DESCRIPTION: TRUMAN LINEAR PARK TRAIL PHASE II

## ITEMS FOR JOB 0007631

LINE	ITEM	UNITS	DESCRIPTION	QUANTITY	PRICE	AMOUNT
0005	150-1000	LS	TRAFFIC CONTROL - 0007631	1.000	130000.00	130000.00
0010	207-0203	CY	FOUND BKFILL MATL, TP II	70.000	79.69	5578.77
0015	210-0100	LS	GRADING COMPLETE - 0007631	1.000	350000.00	350000.00
0020	310-1101	TN	GR AGGR BASE CRS, INCL MATL	1560.000	34.60	53990.65
0025	318-3000	TN	AGGR SURF CRS	100.000	44.99	4499.22
0030	402-3121	TN	RECYL AC 25MM SP,GP1/2,BM&HL	200.000	96.25	19251.70
0035	402-3130	TN	RECYL AC 12.5MM SP,GP2,BM&HL	60.000	75.11	4507.11
0040	402-3190	TN	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	80.000	108.80	8704.14
0045	413-1000	GL	BITUM TACK COAT	96.000	4.20	403.34
0049	441-0018	SY	DRIVEWAY CONCRETE, 8 IN TK	480.000	49.51	23769.32
0050	441-0104	SY	CONC SIDEWALK, 4 IN	200.000	61.62	12325.55
0055	441-0106	SY	CONC SIDEWALK, 6 IN	19400.000	40.90	793503.07
0060	441-0754	SY	CONC MEDIAN, 7 1/2 IN	333.000	58.94	19627.31
0065	441-5002	LF	CONC HEADER CURB, 6", TP 2	1000.000	14.73	14735.82
0070	441-6222	LF	CONC CURB & GUTTER/ 8"X30"TP2	400.000	29.73	11893.29
0075	500-3201	CY	CL B CONC, RET WALL	40.000	647.07	25883.15
0080	515-2020	LF	GALV STEEL PIPE HDRAIL,2",ROUD	200.000	50.56	10112.72
0085	550-1180	LF	STM DR PIPE 18",H 1-10	300.000	52.55	15767.51
0090	550-1240	LF	STM DR PIPE 24",H 1-10	220.000	69.04	15189.42
0095	550-1360	LF	STM DR PIPE 36",H 1-10	150.000	94.98	14247.03
0100	550-1480	LF	STM DR PIPE 48",H 1-10	250.000	120.40	30100.46
0105	550-4218	EA	FLARED END SECT 18 IN, ST DR	20.000	655.83	13116.63
0110	550-4224	EA	FLARED END SECT 24 IN, ST DR	10.000	764.43	7644.34
0115	550-4236	EA	FLARED END SECT 36 IN, ST DR	10.000	1255.21	12552.19
0120	611-3010	EA	RECONSTR DROP INLET, GROUP 1	5.000	1999.87	9999.40
0125	621-6201	LF	CONC SIDE BARRIER, TP 2-SA	60.000	400.00	24000.00
0130	621-6203	LF	CONC SIDE BARRIER, TP 2-SC	130.000	850.00	110500.00
0135	643-1152	LF	CH LK FEN,ZC COAT, 6', 9 GA	4500.000	13.06	58796.51
0140	643-8200	LF	BARRIER FENCE (ORANGE), 4 FT	1000.000	1.99	1999.55
0145	668-1100	EA	CATCH BASIN, GP 1	10.000	2442.41	24424.13
0150	668-2100	EA	DROP INLET, GP 1	10.000	2184.13	21841.35
0155	668-4300	EA	STORM SEW MANHOLE, TP 1	10.000	2192.50	21925.01
0160	603-2024	SY	STN DUMPED RIP RAP, TP 1, 24"	300.000	71.38	21415.93
0165	603-7000	SY	PLASTIC FILTER FABRIC	300.000	4.16	1250.48
0170	700-6910	AC	PERMANENT GRASSING	7.000	1670.81	11695.70
0175	700-7000	TN	AGRICULTURAL LIME	22.000	78.72	1732.05
0180	700-8000	TN	FERTILIZER MIXED GRADE	3.000	591.92	1775.77
0185	700-8100	LB	FERTILIZER NITROGEN CONTENT	360.000	3.70	1332.81
0190	700-9300	SY	SOD	300.000	7.87	2361.64
0195	716-2000	SY	EROSION CONTROL MATS, SLOPES	100.000	2.52	252.38

0200	163-0232	AC	TEMPORARY GRASSING	4.000	1001.78	4007.15
0205	163-0240	TN	MULCH	103.000	249.36	25684.72
0210	163-0300	EA	CONSTRUCTION EXIT	7.000	1693.71	11856.02
0215	163-0501	EA	CONSTR AND REMOVE SILT CONTROL GATE,TP 1	5.000	671.90	3359.50
0220	163-0528	LF	CONSTR AND REM FAB CK DAM -TP C SLT FN	500.000	5.82	2910.45
0225	163-0550	EA	CONS & REM INLET SEDIMENT TRAP	20.000	178.35	3567.14
0230	165-0010	LF	MAINT OF TEMP SILT FENCE, TP A	13500.000	0.61	8252.01
0235	165-0030	LF	MAINT OF TEMP SILT FENCE, TP C	1500.000	0.86	1292.87
0240	165-0041	LF	MAINT OF CHECK DAMS - ALL TYPES	250.000	2.11	528.10
0245	165-0085	EA	MAINT OF SILT CONTROL GATE, TP 1	5.000	146.87	734.39
0250	165-0101	EA	MAINT OF CONST EXIT	7.000	424.19	2969.39
0255	165-0105	EA	MAINT OF INLET SEDIMENT TRAP	20.000	104.77	2095.57
0260	167-1000	EA	WATER QUALITY MONITORING AND SAMPLING	6.000	418.81	2512.92
0265	167-1500	MO	WATER QUALITY INSPECTIONS	16.000	993.84	15901.55
0270	171-0010	LF	TEMPORARY SILT FENCE, TYPE A	26900.000	2.29	61667.71
0275	171-0030	LF	TEMPORARY SILT FENCE, TYPE C	2900.000	3.64	10569.86
0280	636-1020	SF	HWY SGN,TP1MAT,REFL SH TP3	500.000	13.92	6960.72
0285	636-1033	SF	HWY SIGNS, TP1MAT,REFL SH TP 9	700.000	17.33	12132.54
0290	636-2070	LF	GALV STEEL POSTS, TP 7	600.000	7.17	4306.79
0295	636-2090	LF	GALV STEEL POSTS, TP 9	300.000	7.85	2356.71
0300	636-5010	EA	DELINEATOR, TP 1	5.000	41.17	205.87
0305	652-6502	GLF	SKIP TRAF STRIPE, 5 IN, YELLOW	17400.000	0.10	1808.21
0310	653-1501	LF	THERMO SOLID TRAF ST 5 IN, WHI	200.000	0.83	166.85
0315	653-1804	LF	THERM SOLID TRAF STRIPE, 8",WH	600.000	2.22	1334.93
0320	653-3501	GLF	THERMO SKIP TRAF ST, 5 IN, WHI	200.000	0.42	84.02
0325	647-1000	LS	TRAF SIGNAL INSTALLATION NO - 1, PED SIGNAL UPGRADE, EISENHOWER AT SALLIE MOOD	1.000	30000.00	30000.00
0330	647-1000	LS	TRAF SIGNAL INSTALLATION NO - 2. PED SIGNAL UPGRADE, EISENHOWER AT SB TRUMAN RAMPS	1.000	30000.00	30000.00
0335	647-1000	LS	TRAF SIGNAL INSTALLATION NO - 3, PED SIGNAL UPGRADE, EISENHOWER AT NB TRUMAN RAMPS	1.000	30000.00	30000.00
0340	647-1000	LS	TRAF SIGNAL INSTALLATION NO - 4, PED HYBRID BEACON ON DERENNE	1.000	100000.00	100000.00
0345	534-1000	LS	PEDESTRIAN OVERPASS BRIDGE,STA 11+00, CASEY CANAL AT LAKE MAYER	1.000	140000.00	140000.00
0350	534-1000	LS	PEDESTRIAN OVERPASS BRIDGE,STA 57+00, CASEY CANAL ALONG EISENHOWER	1.000	140000.00	140000.00
0355	702-0470	EA	ILEX VOMITORIA NANA - YAUPON HOLLY, 1 IN CAL.	20.000	50.30	1006.06
0360	702-0472	EA	ILEX X ATTENUATA - SAVANNAH HOLLY, 1 IN CAL.	20.000	450.00	9000.00
0365	702-0640	EA	MAGNOLIA VIRGINIANA - SWEET BAY MAGNOLIA, 1 IN CAL.	3.000	200.00	600.00
0370	702-7450	EA	BARE ROOT SEEDLINGS AND PLANTINGS	50.000	9.64	482.00
0375	702-9005	LB	SPRING APPLICATION FERTILIZER	500.000	5.43	2717.91
0380	702-9025	SY	LANDSCAPE MULCH	1800.000	6.95	12522.08
0385	708-1000	CY	PLANT TOPSOIL	270.000	30.00	8100.00

ITEM TOTAL						2604399.49
INFLATED ITEM TOTAL						2604399.49

TOTALS FOR JOB 0007631

ESTIMATED COST:						2604399.49
ESTIMATED TOTAL:						2604399.49