

Memorandum

III. H.

Department of Planning, Public Works & Parks

To: Mike Herring, CA
From: Mike Geisel, DPPW & P
Date: 1/9/2012
Re: 141 Enhancements



Pursuant to our conversation regarding the cost of proposed amenities to the Route 141 project, this memo is intended to provide background and support for increasing the current funding allocation for this referenced project.

As you may remember, when the American Recovery and Reinvestment Act passed, and through the consolidated efforts of multiple layers of government, the completion of Route 141 and the Maryland Heights Connector became a reality. Accordingly, at that time the City of Chesterfield Committed to funding aesthetic enhancements to the project. Said enhancements were to consist of both structural and landscaping improvements. Immediately, the City of Chesterfield executed agreements with both St. Louis County and the Missouri Department of Transportation providing for such enhancements and the perpetual maintenance of same. [Approximately \$130,000 was committed to MoDOT to incorporate enhancements into the project during construction.] Such enhancements included concrete tints, textured form liners, identification in the mechanically stabilized earth retaining walls (MSE) and similar other upgrades. It is important to note that this funding allocation was for physical improvements, payable to MoDOT to reimburse their direct additional costs that were to be incorporated into the MoDOT contractor's work for Route 141. [These costs were not part of the funding identified for landscaping and beautification which was to be done by the City on a post project basis.]

Also at that time, Council separately discussed allocating up to an additional \$500,000 from General Fund - Fund Reserves to provide for landscaping and irrigation enhancements along this corridor, including improvements along Route 141 at Olive Boulevard, Route 141 at Ladue Road, and on Ladue Road itself east of the Route 141 interchange. You may also recall that the City had previously set aside more than \$200,000 for the purpose of participating in the environmental studies associated with approvals for the Maryland Heights expressway. Fortunately, Chesterfield's financial participation in these environmental studies was not required and we were able to release the \$200,000 set aside. Finally, [at their meeting on October 18, 2010, City Council formally set aside \$400,000 to fund the landscape and irrigation for this corridor. In coming to the \$400,000 figure for this work, Council discussed the lack of an actual design and cost estimate. Council expressed their desire to commit to the project,

move forward to design and construction, with the understanding that the actual estimated costs would be provided as design progressed.

Over the course of the last year, The Department of Planning, Public Works and Parks has worked closely with St. Louis County, the Missouri Department of transportation, as well as their engineers to develop a consistent and cohesive landscape strategy\plan, as well as plans for irrigation of same. As you can imagine, with a project of this size, and a roadway of this magnitude, a significant amount of effort is required not only to design the improvements, but to project the maintenance needs and assure optimal safety of those who must perform such maintenance on a high volume roadway.

Accordingly, we have received the latest version of the landscape and irrigation plans for this project. The total estimated cost of the Landscape and irrigation system is in excess of \$837,000. I note for the record that we still have minor additions and concerns with regard to the landscaping necessary on Woods Mill and Ladue Road. We will continue to fine tune the proposed improvements, but given the magnitude of the project costs, it is imperative that I advise you, and subsequently City Council of the current project funding needs.

It should be noted that while the current plans and estimates are still preliminary, the proportional allocation of costs is important. The cost of the actual physical landscaping represents approximately half of the project estimate (\$419,781), while the irrigation portion represents approximately half as well (\$417,422). As is typically the case at this juncture in any project, I reviewed the estimates for value and potential to scale back the project for budgetary savings. However, in analyzing the estimates, I cannot recommend scaling back the project. First, as indicated above, the current plans still require some modification to add landscaping on Ladue Road and on Woods Mill at Ladue Road. Secondly, it is important to recognize that the physical landscaping is very close to the current set aside (\$400,000). Given the acreage and magnitude of this project, this is not dense landscaping. Thirdly, the project estimate is certainly heavily weighted with the cost of the irrigation system. Again, given the magnitude of the roadway system itself, there are multiple taps and lengthy pavement bores\sleeves necessary to accommodate the irrigation system. Chesterfield has extensive experience with landscaping of rights of ways, and it is clear that they do not perform as well as we desire unless irrigation is provided. I would not recommend the landscaping project without the irrigation. Finally, for many years the City has attempted to identify corridor enhances along Olive Boulevard at the northern extent of our City. With the completion of Route 141 and the Maryland Heights Expressway, this interchange becomes the north east gateway into the City and I believe it would be shortsighted to scale back the landscaping at this location.

Mike Herring
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Accordingly, I recommend that the City Council increase the current funding set aside from \$400,000 from the General Fund - Fund Reserve, to an amount up to \$850,000. It should be noted that the City cannot actually bid this project until after the State and County complete their work. However, it is critical that the City make its decisions regarding the funding of this work, such that both the State and County is able to incorporate the structural improvements necessary for the future landscaping and irrigation.

If you have any questions or require additional information, please advise.

Attachments

Cc Brian McGownd, Public Works Director – City Engineer
Brian Whittle, Assistant Director of Finance and Administration
Susan Mueller, Principal Engineer

Jerry
1/11/12

→ Please add to next
P/PW Committee mtg. to
discuss ——— GOOD WORK, MIKE!



RECORD OF PROCEEDING

MEETING OF THE CITY COUNCIL OF THE CITY OF CHESTERFIELD AT 690 CHESTERFIELD PARKWAY WEST

OCTOBER 18, 2010

The meeting was called to order at 7 p.m.

Boy Scout Troop #631 from St. Mark Presbyterian Church led everyone in the Pledge of Allegiance. Mayor Nations followed with a moment of silent prayer. Mayor Nations recognized and thanked: Alexey Archer, Karl Aufenthie, Alex Ke, Andrew Deadwyler, Andrew Englemeyer, Stephen Fuglsang, Mitchell Griffin, John Hays, Alex Hoffman, Chris Jacob, Jacob Laws, Ben Neary, Parker Nenonen, Derek Radke, Carson Smith, Chris Thornberry, Chris Wetzel, Calvin Bradley, Andrew Caplinger, Ben Jarasek, Andrew Sellers, Justin Sellers and Nathan Sellers for their participation in this opening ceremony. Also in attendance were Troop Leaders Paul Ke, Ellen Aufenthie and Glenn Archer. Mayor Nations presented a Proclamation to Boy Scout Troop #631, commemorating their participation.

A roll call was taken with the following results:

PRESENT

Mayor John Nations
Councilmember Barry Flachsbart
Councilmember Matt Segal
Councilmember Lee Erickson
Councilmember Mike Casey
Councilmember Randy Logan
Councilmember Bob Nation
Councilmember Connie Fults

ABSENT

Councilmember Bruce Geiger

EXCEPTED

10/18/2010

Ms. Schacht were planning to attend a meeting with a County Commission, advocating that that County Commission take a position. Mayor Nations said that the LPC, at its inception and through the years, promised City Council that the Commission would never take action on a property unless the public was informed, the owner of the property was informed, and that the Commission would not do anything without working with the City. Mayor Nations said that every one of those assurances was violated. Mayor Nations said the City of Chesterfield is the owner of the Eberwein property and should have been notified, directly, before the LPC took any action. Mayor Nations said this issue is not about the historic designation of a house; this issue is about how the business of this community is conducted.

APPOINTMENTS

There were no Appointments.

COUNCIL COMMITTEE REPORTS

Planning/Public Works Committee

Councilmember Matt Segal, Chairperson of the Planning/Public Works Committee, reported that Bill No. 2810 (Approves amendments to City Code regarding Landmarks Preservation Commission) and Bill No. 2811 (Approves stop signs on Chesterfield Commons Drive at Frontage Road) will be considered for adoption under the "Legislation" portion of the Agenda.

Councilmember Segal made a motion, seconded by Councilmember Flachsbart, to approve the proposed use of \$200,000 from General Fund Fund Reserves, to match the existing \$200,000 already set aside in General Fund Fund Reserves, to provide a total of \$400,000 for interchange enhancements on Highway 141 at both Ladue and Olive. A voice vote was taken with a unanimous affirmative result and the motion was declared passed.

Councilmember Segal announced that the next meeting of this Committee has been scheduled for Thursday, October 21, at 5:30 p.m.

Finance and Administration Committee

Councilmember Randy Logan, Chairperson of the Finance and Administration Committee, made a motion, seconded by Councilmember Fults, to approve Resolution No. 375 (Adopts Strategic Plan for Community Services/Economic Development). Councilmember Logan commended Mrs. Libbey Tucker and Mrs. Angela Crawford for their work with the Economic Development Commission. A voice vote was taken with a unanimous affirmative result and the motion was declared passed.

Councilmember Logan announced that the next meeting of this Committee, which had originally been scheduled for Monday, October 25, at 5:30 p.m. has been postponed.

Cost Estimate - Summary

12/27/2011

City of Chesterfield, Missouri

Highway 141/Ladue Road & Highway 141/Olive Blvd. Improvements

Irrigation

141/Ladue Road	sub total	\$65,815.39
141/Olive Blvd	sub total	\$351,607.30

Landscape

141/Ladue Road	sub total	\$141,571.67
141/Olive Blvd	sub total	\$278,210.07

total **\$837,204.43**

Cost Estimate
12/27/2011

City of Chesterfield, Missouri
Highway 141/Ladue Road & Highway 141/Olive Blvd. Improvements

Item Number	Description	Quantity	Unit	Unit Cost	Extension	Remarks
Irrigation						
141/Ladue Road						
1	Area to be Irrigated - <i>Southwest infield</i>	7082.00	sf	\$1.10	\$7,790.20	Based on price of Jefferson Barracks installation cost summer 2011 with escal. System included circuit, valve trenching, testing, Rainbird 5500 rotor heads, PRVs, drain valves and shut offs and control valves. This SF number excludes meters, taps, backflow preventers and automatic control devices.
2	PRV	1.00	ea	\$130.00		
3	Controllers	4.00	ea	\$200.00	\$800.00	Battery operated., remote locations at control valves
4	Area to be Irrigated - <i>Southeast infield</i>	21195.00	sf	\$1.10	\$23,314.50	Based on price of Jefferson Barracks installation cost summer 2011 with escal. System included circuit, valve trenching, testing, Rainbird 5500 rotor heads, PRVs, drain valves and shut offs and control valves. This SF number excludes meters, taps, backflow preventers and automatic control devices.
	PRV	1.00	ea	\$130.00		
	Controllers	7.00	ea	\$200.00	\$1,400.00	Battery operated., remote locations at control valves
5	Area to be Irrigated - <i>Triangular islands at overpass</i>	7013.00	sf	\$1.10	\$7,714.30	Based on price of Jefferson Barracks installation cost summer 2011 with escal. System included circuit, valve trenching, testing, Rainbird 5500 rotor heads, PRVs, drain valves and shut offs and control valves. This SF number excludes meters, taps, backflow preventers and automatic control devices.
6	PRV	2.00	ea	\$130.00	\$260.00	
7	Controllers	4.00	ea	\$200.00	\$800.00	Battery operated., remote locations at control valves
8	<i>Island at far west end of interchange on Ladue in Green Trails</i>	500.00	sf	\$1.10	\$550.00	Based on price of Jefferson Barracks installation cost summer 2011 with escal. System included circuit, valve trenching, testing, Rainbird 5500 rotor heads, PRVs, drain valves and shut offs and control valves. This SF number excludes meters, taps, backflow preventers and automatic control devices.
9	PRV	1.00	ea	\$130.00	\$130.00	
10	Controllers	1.00	ea	\$200.00	\$200.00	Battery operated., remote locations at control valves
11	Irrigation Mains	2770.00	lf	\$2.31	\$6,391.78	Includes trenching and Backfill, 2" sched 40 PVC and fittings.
12	Irrigation Mains	0.00	lf	\$3.63	\$0.00	Includes trenching and Backfill, 4" sched 40 PVC and fittings.
13	Backflow, Meters, Isolation valves	2.00	ls/ea	\$3,000.00	\$6,000.00	Includes meter boxes and security cages, and connection to tap
14	Taps	2.00	ea	\$500.00	\$1,000.00	Includes fees
15						<i>not used</i>
16	Testing	16.00	hrs	\$55.00	\$880.00	
17						
18						sub total
19	15% contingency	1.00	ls/%	\$8,584.62	\$8,584.62	
20						total
21						
22						
141/Olive Blvd						
1	Area to be Irrigated - <i>Southwest infield</i>	57200.00	sf	\$1.10	\$62,920.00	Based on price of Jefferson Barracks installation cost summer 2011 with escal. System included circuit, valve trenching, testing, Rainbird 5500 rotor heads, PRVs, drain valves and shut offs and control valves. This SF number excludes meters, taps,

valves and shut offs and control valves. This SF number excludes meters, taps, backflow preventers and automatic control devices.

2	PRV	1.00		\$130.00	
3	Controllers	19.00	ea	\$200.00	\$3,800.00 Battery operated., remote locations at control valves
4	Area to be Irrigated - <i>Southeast infield</i>	44377.00	sf	\$1.10	\$48,814.70 Based on price of Jefferson Barracks installation cost summer 2011 with escal. System included circuit, valve trenching, testing, Rainbird 5500 rotor heads, PRVs, drain valves and shut offs and control valves. This SF number excludes meters, taps, backflow preventers and automatic control devices.
5	PRV	1.00	ea	\$130.00	\$130.00
6	Controllers	17.00	ea	\$200.00	\$3,400.00 Battery operated., remote locations at control valves
7	Area to be Irrigated - <i>Northeast infield</i>	55620.00	sf	\$1.10	\$61,182.00 Based on price of Jefferson Barracks installation cost summer 2011 with escal. System included circuit, valve trenching, testing, Rainbird 5500 rotor heads, PRVs, drain valves and shut offs and control valves. This SF number excludes meters, taps, backflow preventers and automatic control devices.
8	PRV	1.00	ea	\$130.00	\$130.00
9	Controllers	10.00	ea	\$200.00	\$2,000.00 Battery operated., remote locations at control valves
10	Area to be Irrigated - <i>Northwest infield</i>	36568.00	sf	\$1.10	\$40,224.80 Based on price of Jefferson Barracks installation cost summer 2011 with escal. System included circuit, valve trenching, testing, Rainbird 5500 rotor heads, PRVs, drain valves and shut offs and control valves. This SF number excludes meters, taps, backflow preventers and automatic control devices.
11	PRV	1.00	ea	\$130.00	\$130.00
12	Controllers	8.00	ea	\$200.00	\$1,600.00 Battery operated., remote locations at control valves
13	Area to be Irrigated - <i>Triangular islands at overpass</i>	52118.00	sf	\$1.10	\$57,329.80 Based on price of Jefferson Barracks installation cost summer 2011 with escal. System included circuit, valve trenching, testing, Rainbird 5500 rotor heads, PRVs, drain valves and shut offs and control valves. This SF number excludes meters, taps, backflow preventers and automatic control devices.
14	PRV	4.00	ea	\$130.00	\$520.00
15	Controllers	17.00	ea	\$200.00	\$3,400.00 Battery operated., remote locations at control valves
16	Irrigation Mains	2290.00	lf	\$2.31	\$5,284.18 Includes trenching and Backfill, 2" sched 40 PVC and fittings.
16	Irrigation Mains	0.00	lf	\$3.63	\$0.00 Includes trenching and Backfill, 4" sched 40 PVC and fittings.
17	Backflow, Meters, Isolation valves	4.00	ls/ea	\$3,000.00	\$12,000.00 Includes meter boxes and security cages
18	Taps	4.00	ea	\$500.00	\$2,000.00 Includes fees
19					<i>not used</i>
20	Testing	16.00	hrs	\$55.00	\$880.00
21					
22					sub total
23	15% contingency	1.00	ls/%	\$45,861.82	\$45,861.82
24					total
25					\$351,607.30
26					
27					
28					

Mains composite cost	
2" pipe	1.05 lf
2" fittings add 15%	\$0.2 lf
trench	0.8 lf

backfill	0.3 lf
	\$2.31
4" pipe	2.2 lf
4" fittings add 15%	\$0.3 lf
trench	0.8 lf
backfill	0.3 lf
	\$3.63

Cost Estimate
12/27/2011

City of Chesterfield, Missouri
Highway 141/Ladue Road & Highway 141/Olive Blvd. Improvements

Item Number	Description	Quantity	Unit	Unit Cost	Extension
Landscape					
141/Ladue Road					
1	South infields				
2	Knock out Roses	577.00	ea	\$75.00	\$43,275.00
3	Red bud	5.00	ea	\$220.00	\$1,100.00
4	North infields				
5	Knock out Roses	324.00	ea	\$75.00	\$24,300.00
6	Red bud	0.00	ea		\$0.00
7	Triangle Planters				
8	Feather Reed Grass	300.00	ea	\$30.00	\$9,000.00
9	Hughs Juniper	700.00	ea	\$60.00	\$42,000.00
10	Additonal Mulch (.03cy per plant in additon to MDOT installation)	57.18	cy	\$60.00	\$3,430.80
11					
12					sub total
13	15% contingency	1.00	ls/%	\$18,465.87	\$18,465.87
14					total
					\$141,571.67
Landscape					
141/Olive Blvd.					
1	South infields				
2	Knock out Roses	934.00	ea	\$75.00	\$70,050.00
3	Red bud	33.00	ea	\$220.00	\$7,260.00
4	Canaert Red Cedar	17.00	ea	\$300.00	\$5,100.00
5	Additonal sod	2275.00	sy	\$7.60	\$17,290.00
6	North infields				
7	Knock out Roses	622.00	ea	\$75.00	\$46,650.00
8	Red bud	31.00	ea	\$220.00	\$6,820.00
9	Canaert Red Cedar	36.00	ea	\$300.00	\$10,800.00
10	Additonal sod	2515.00	sy	\$7.60	\$19,114.00
11	Triangle Planters				
12	Feather Reed Grass	1890.00	ea	\$30.00	\$56,700.00
13	Additonal sod	0.00	ea	\$30.00	\$0.00
14	Additonal Mulch (.03cy per plant in additon to MDOT installation)	35.63	cy	\$60.00	\$2,137.80
15					sub total
16	15% contingency	1	ls/%	\$36,288.27	\$36,288.27
17					total
					\$278,210.07

Fund Reserves for the General Fund - 12/31/11

12/31/10 General Fund Reserves		\$13,339,343
FY2011 Estimated General Fund Activity		<u>\$297,932</u>
Projected 12/31/11 General Fund Reserves		\$13,637,275
<u>Less:</u>		
1) Funds Designated for Retirement Forfeiture (training, increase in plan benefits, etc.)	(\$142,641)	
2) Funds Designated for POST (Funds from the State for Police Training Only)	(\$54,920)	
3) Funds Designated for Inmate Security	(\$20,680)	
4) Funds Designated for Valley Capital Improvements (Forward Funding Reimbursements)	<u>(\$482,599)</u>	
Total Designated Funds		<u>(\$700,840)</u>
Projected 12/31/11 Unreserved General Fund Reserves		\$12,936,435
Less 40% Requirement of Expenditures including Transfers:		(\$8,234,559)
FY2011 Projected Expenditures	\$18,933,025	
FY2011 Transfers Out :		
City Hall Debt	\$1,404,298	
PW Debt	\$224,161	
Sidewalk Repair at Wild Horse Creek Road	\$20,000	
Debt Service Fees	<u>\$4,914</u>	
Total Projected Expenditures including Transfers	\$20,586,398	
(\$20,586,398 x 40% = \$8,234,559)		
Total Available for Council above the 40% Requirement Policy		<u>\$4,701,876</u>
<u>Less One Time Expenditures</u>		
5) Interchange Enhancements: Highway 141 at Ladue and Olive	(\$400,000)	
6) Addtl Funding Hwy 141 Enhancement	(\$40,000)	
7) Local Match for Pathway/Parkway--Eastern Half - pending	(\$420,000)	
8) Sales Tax Distribution Reform (remaining amount)	<u>(\$35,000)</u>	
		<u>(\$895,000)</u>
Total Left Above the 40% Requirement Policy		<u>\$3,806,876</u>