

City of Wimberley
City Hall, 12111 Ranch Road 12, Ste. 114
Wimberley, Texas 78676
Minutes of Joint Meeting of City Council/Transportation Advisory Board
February 18, 2010 at 5:30 p.m.

City Council meeting called to order at 5:30 p.m. by Mayor Tom Haley.

Councilmembers Present: Councilmembers Charles Roccaforte, Bob Flocke, Bill Appleman, Steve Thurber, and John White.

Transportation Advisory Board Members Present: Chair Corwin Vansant, Secretary Bert Ray, Bob Bullock, Charles Lancaster, and Gene Woodruff.

Staff Present: City Administrator Don Ferguson and City Secretary Cara McPartland

Workshop Session:

Workshop to review and discuss the priority transportation projects recently recommended by the Wimberley Transportation Advisory Board (TAB)

City Administrator Ferguson reviewed the process to date, including prior meetings, actions, and expenditures. Mayor Haley directed Council's attention to handouts (attached to these minutes) providing details on nine (9) TAB-recommended projects and associated cost estimates.

Discussion clarified the total fund balance amounts allocated for street improvements (\$250,000) and for sidewalks (\$25,000). Discussion among Council, TAB, and City Administrator Ferguson addressed:

- Various criteria for prioritizing projects within the confines of available funds
- Possibility of increased neighborhood cut-through traffic as a result of realigning Las Flores/Texan Boulevard
- Ranking criteria in order of importance, with safety as the most important issue, followed by balancing factors such as identified "high traffic" areas and each street's condition per its assessed "letter" grade
- Details of the City's interlocal agreement with Hays County for road maintenance, which provides cost-savings for improvements to certain shared streets
- Reasoning for inclusion of the nine (9) proposed locations as transportation priorities
- Street assessment project currently nearing completion that provides a "letter" grade in accordance with each street's condition
- Specific "letter" grades for certain streets already assessed
- Pedestrian traffic safety
- TAB's subcommittee work on enhancing pedestrian mobility in the Square area

River House owner Temple Wynne spoke in support of efforts to upgrade downtown safety for residents and visitors alike, including expansion of current parking and plans for striping of Square parking places. She cited examples of unsafe parking conditions and supported coordinated efforts with Texas Department of Transportation (TxDOT) to improve drainage, grading, and crosswalks along Ranch Road 12. She expressed appreciation and encouraged Council to complete needed transportation projects by delegating the necessary funding to provide downtown sidewalks and improve lighting to and from public parking. She hoped that conditions in the Square illustrate concern for the safety of both visitors and residents.

Pitzer's Fine Arts owner Rob Pitzer echoed Temple Wynne's statements and stressed that the downtown business district is the focal point for the Wimberley Valley. He supported improvements such as benches, trees, lighting, and sidewalks and stressed safety as the most important issue. Mr. Pitzer felt that making this issue a high priority benefits the community as a whole.

Bent Tree Gallery owner Gina Casarez spoke in support of downtown sidewalks and cited safety as her primary concern. She felt that sidewalks would draw visitors to her area of the Square and expressed appreciation for efforts to develop downtown sidewalks.

Given funding limitations, TAB Chair Vansant reminded that projects may be completed in phases over more than one budget cycle, such as first acquiring rights-of-way in order to begin any construction projects. Specific issues associated with acquiring rights-of-way for the Las Flores/Texan Boulevard intersection were discussed.

Council members ranked their top five (5) priorities as follows [from highest (1) to lowest (5)]:

	Project 1	Project 2	Project 3	Project 4	Project 5	Project 6	Project 7	Project 8	Project 9
	Texan/Las Flores/FM 2325 Realign	Loma Vista Repave	Palos Verdes Repave	Las Pais Repave	Las Flores Repave	Emergency Access Paradise Hills	Square Sidewalk	Green Acres Drainage	Cypress Creek Lane Drainage
Roccaforte	5		1	2	3		4		
Flocke			1	2	4		3		5
Appleman	5		1	2	3		4		
Thurber	5		1	2	4		3		
White	5		3	4	1		2		

Reasoning for prioritization included the following statements:

Councilmember Roccaforte stated safety and high traffic areas as his top priorities.

Councilmember Flocke agreed with Councilmember Roccaforte and stated that details can be worked out later on how to proceed with specific prioritized projects.

If restricted to choosing priorities from the provided project list, Councilmember Appleman stated the importance of safety, looking at the street assessment grades when completed, re-examination of priorities in following years, need to pursue state/federal grant funding, and less costly alternative solutions to problem areas such as the Texan Boulevard/Las Flores intersection.

Councilmember Thurber agreed with Councilmember Flocke's statements and Councilmember Appleman's statements relating to seeking alternative sources of funding, including grants and interlocal agreements, particularly regarding the Texan Boulevard/Las Flores intersection.

Councilmember White stated the importance of initiating contact with property owners for the purpose of right-of-way acquisition for Project 1, with the possibility of a feasible "land swap" relative to certain properties.

Mayor Haley stated his preference for the following highest-to-lowest priority ranking: Projects 3, 4, 5, 7, and 1 (with Texan Boulevard/Las Flores right-of-way acquisition as the first phase of Project 1).

Councilmember Thurber felt that phasing of the top five (5) prioritized projects should be examined, as opposed to completing each project in its entirety before proceeding with the next project.

Councilmember Roccaforte inquired about increasing already allocated funding in order to begin acquisition of rights-of-way for Project 1. Mayor Haley cautioned against lowering reserves any further.

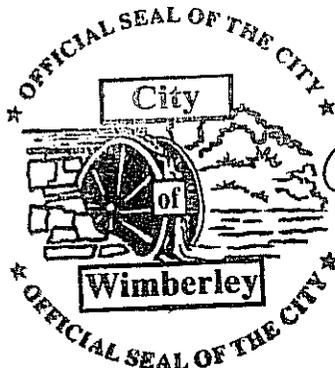
Adjournment: Council meeting adjourned at 6:15 p.m.

Recorded by:

Cara McPartland

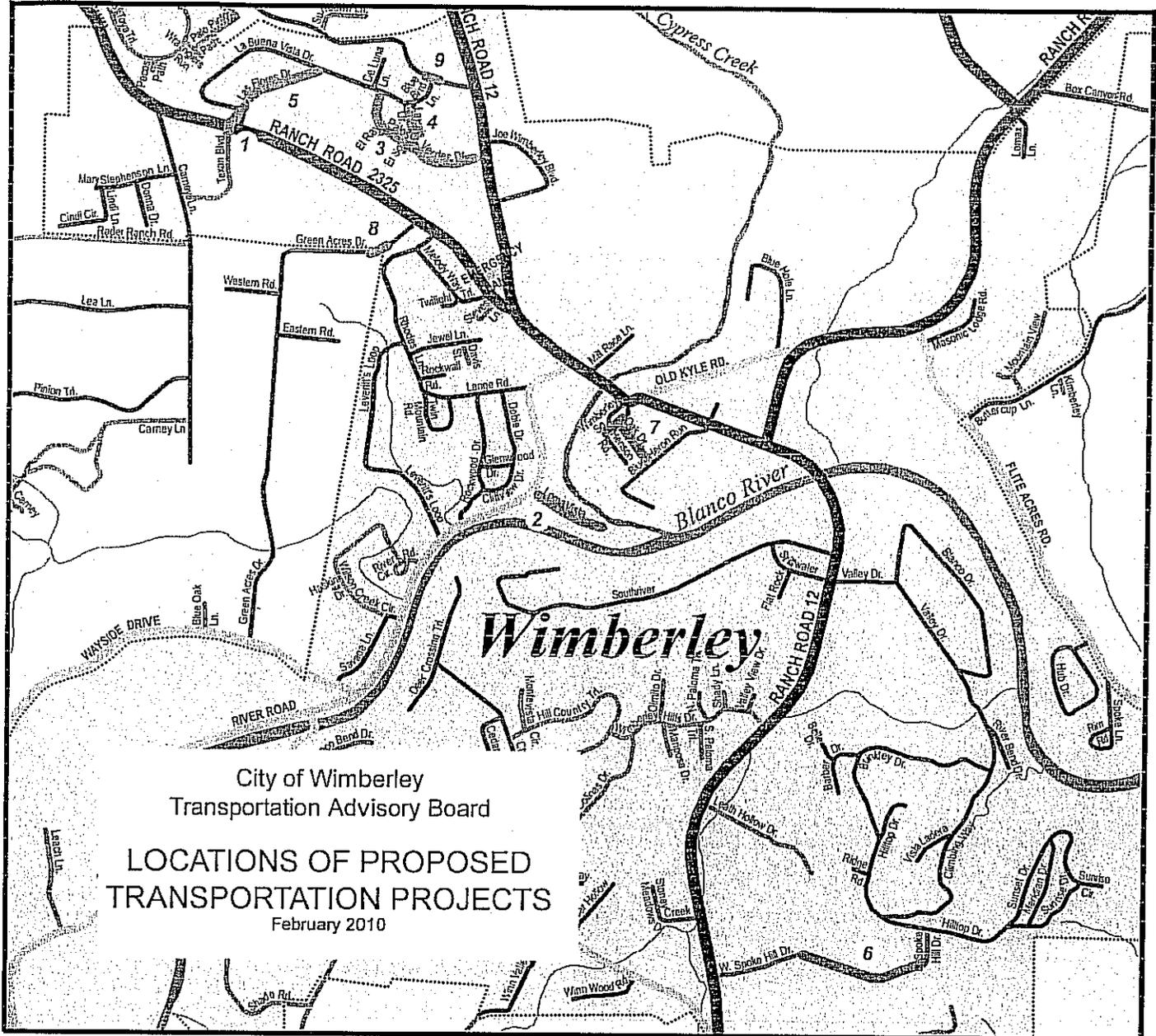
Cara McPartland

These minutes approved on the 4th of March, 2010.



APPROVED:

Tom Haley
Tom Haley, Mayor



City of Wimberley
 Transportation Advisory Board
**LOCATIONS OF PROPOSED
 TRANSPORTATION PROJECTS**
 February 2010

1. TEXAN BLVD. / LAS FLORES DR. / RR2325 INTERSECTION REALIGNMENT	\$170,500 w/o land acquisition
2. LOMA VISTA DRIVE PAVMENT REPAIR---Asphalt overlay and concrete valley	\$36,500
3. PALOS VERDES DRIVE REPAVEMENT---Base repair and new asphalt paving	\$96,000
4. LAS PAIS DRIVE REPAVEMENT---Base repair, new asphalt paving and realignment	\$35,000
5. LAS FLORES DRIVE REPAVEMENT---Base repair and new asphalt paving	\$130,000
6. EMERGENCY ACCESS TO PARADISE HILLS---Grading, base and minium asphalt	\$82,000
7. NEW SIDEWALK IN WIMBERLEY SQUARE---826 ft. of 6 ft. sidewalk with planters	\$88,500 w/o water line replacement
8. DRAINAGE ON GREEN ACRES RD.---5 new box culverts for 100-yr. flood reqmts.	\$132,000
9. DRAINAGE ON CYPRESS CREEK LN.---2 new box culverts & new outflow channel	\$61,000 w/o easement acquisition

OPINION OF PROBABLE COST
 TRANSPORTATION ADVISORY BOARD TRANSPORTATION PROJECTS
 FOR
 CITY OF WIMBERLEY
 January 19, 2010

PROJECT 1 - TEXAN BOULEVARD / LAS FLORES DRIVE / FM 2325 INTERSECTION REALIGNMENT
 (720 LF of 24' Pavement Width, 2' Shoulders in 50' Right-of-Way)

A. Las Flores Drive

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
1	Traffic Control	1	LS	\$ 5,000.00	\$ 5,000.00
2	Silt Fencing	200	LF	3.00	600.00
3	Preparation of Right-of-Way	4,000	SY	2.00	8,000.00
4	Subgrade Preparation	2,320	SY	3.50	8,120.00
5	Flexible Base	2,415	SY	9.00	21,735.00
6	Asphaltic Prime Coat	415	GAL	3.25	1,349.00
7	1 1/2" HMAC 2)	2,070	SY	10.00	20,700.00
8	Grade and Shape Ditch Line	910	LF	10.00	9,100.00
9	Culvert Pipe				
	30" RCP	70	LF	85.00	5,950.00
	18" RCP	82	LF	55.00	4,510.00
10	Culvert Headwall				
	30" RCP	2	EA	2,400.00	4,800.00
	18" RCP	6	EA	1,400.00	8,400.00
11	Traffic Signs	3	EA	400.00	1,200.00
12	Street Signs	4	EA	400.00	1,600.00
13	Street Striping	2,704	LF	1.25	3,380.00
14	Rock Berm	24	LF	25.00	600.00
15	Revegetation and Hydromulch	2,000	SY	3.00	6,000.00
16	Stabilized Construction Entrance	1	EA	1,500.00	1,500.00
17	Stop Bar Markings	4	EA	250.00	1,000.00
18	Saw Cut Existing Pavement	150	LF	2.00	300.00
19	Remove Existing Pavement	300	SY	2.00	600.00
	SUBTOTAL CONSTRUCTION				\$ 114,444.00
20	Contingencies				11,444.00
21	Basic Engineering				
	Surveying, Preparation of Plans and Specifications and Public Bidding Process				15,100.00
	SUBTOTAL PROJECT 1A. 1)				\$ 140,988.00

NOTES:

- 1) Right-of-way acquisition, land surveying for right-of-way conveyance and legal costs associated with ROW. Acquisition must be budgeted and is not included in above tabulation of opinion of cost.
- 2) Alternate bid will be taken for 2" HMAC.

B. Las Flores Drive in area of realignment for continued access and street frontage.

Item No.	Description	Quantity	Unit	Unit Price	Total
1	Traffic Control	1	LS	2,000.00	2,000.00
2	Silt Fencing	66	LF	3.00	198.00
3	Scarifying and Recompact Existing Pavement	930	SY	4.00	3,720.00
4	Remove Existing Pavment	200	SY	3.00	600.00
5	Remove Culvert and Concrete in FM 2325 Right-of-Way	1	LS	2,400.00	2,400.00
6	Two Course Surface Treatment Pavement	1,427	SY	7.00	9,989.00
7	Revegetation and Hydromulch	1,660	SY	3.00	4,980.00
	SUBTOTAL CONSTRUCTION				\$ 23,887.00
8	Contingencies				2,389.00
9	Basic Engineering				
	Surveying, Preparation of Plans and Specifications and Public Bidding Process				3,150.00
	SUBTOTAL PROJECT 1B				\$ 29,426.00
	TOTAL PROJECT 1				\$ 170,414.00

PROJECT 2 - LOMA VISTA DRIVE

Subdivision Plat was recorded October 29, 1926 with 36 lots of which 31 front along Loma Vista Drive. Loma Vista Drive has a platted right-of-way width of 20'. Existing pavement width is +/- 15' with length of 1,206'.

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
1	Traffic Control	1	LS	1,000.00	1,000.00
2	Power Broom, Spot Repair and Single Course Surface Treatment	1,977	SY	6.00	11,862.00
3	1" Compacted HMA Overlay	1,977	SY	7.50	14,828.00
4	Concrete Valley Pavement (1)	300	SF	7.25	2,175.00
	SUBTOTAL CONSTRUCTION				\$ 29,865.00
5	Contingencies				2,687.00
6	Basic Engineering				
	Surveying, Preparation of Plans and Specifications and Public Bidding Process				3,940.00
	TOTAL PROJECT 2				\$ 36,492.00

NOTE:

- 1). Drainage flows across existing pavement in area generally between entry gate in rock wall along north right-of-way and small house painted green on south side of ROW. A 15' wide x 20' length x 5" deep concrete valley is included in construction at finished grade of existing pavement for this drainage. It is not evident where water flows and may simply pond in pavement area.

PROJECT 3 - PALOS VERDES DRIVE

Segment 1 of Palos Verdes Drive is from RR 12 to intersection with Las Pais Drive (1,050 LF). Existing pavement is scarified, base added and recompacted to 22' width with 20' HMA. Segment 2 of Palos Verdes Drive is between Las Pais Drive and La Buena Vista Drive (920 LF) and is overlaid with 1" HMA to 20' width (existing width is 21' to 22').

Segment 1

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
1	Traffic Control	1	LS	2,000.00	2,000.00
2	Scarifying and Recompact Existing Pavement	2,570	SY	4.00	10,280.00
3	6" Crushed Limestone Base	2,570	SY	7.00	17,990.00
4	Asphaltic Prime Coat	515	SY	3.25	1,674.00
5	1 1/2" HMAC	2,335	GAL	10.00	23,350.00
6	Stop Bar Markings	1	EA	250.00	250.00
	SUBTOTAL CONSTRUCTION				\$ 55,544.00
7	Contingencies:				5,554.00
8	Basic Engineering				
	Surveying, Preparation of Plans and Specifications and Public Bidding Process				7,330.00
	SUBTOTAL PROJECT 3-SEGMENT 1				\$ 68,428.00

Segment 2

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
1	Power Broom, Spot Repair and Single Course	2,250	LS	3.00	6,750.00
2	1" Compacted HMAC Overlay	2,045	SY	7.50	15,338.00
3	Stop Bar Markings	1	EA	250.00	250.00
	SUBTOTAL CONSTRUCTION				\$ 22,338.00
4	Contingencies:				2,234.00
5	Basic Engineering				
	Surveying, Preparation of Plans and Specifications and Public Bidding Process				2,950.00
	SUBTOTAL PROJECT 3-SEGMENT 2				\$ 27,522.00
	TOTAL PROJECT 3 (SEGMENTS 1 AND 2)				\$ 95,950.00

PROJECT 4 - LAS PAIS DRIVE

La Pais Drive from Palos Verdes Drive to La Buena Vista Drive (480') is scarified, base added and recompact to 22' width with 20' HMAC. Intersection with La Buena Vista Drive is reconstructed from wye configuration to single radial alignment intersection.

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
1	Traffic Control	1	LS	1,000.00	1,000.00
2	Subgrade Preparation	215	SY	5.00	1,075.00
3	8" Flexible Base	215	SY	12.00	2,580.00
4	Asphaltic Prime Coat	35	GAL	3.25	114.00
5	1 1/2" HMAC	180	SY	10.00	1,800.00
6	Scarify, Spread and Recompact	1,000	SY	4.00	4,000.00
7	6" Crushed Limestone Base	1,000	SY	7.00	7,000.00
8	Asphaltic Prime Coat	180	GAL	3.25	585.00
9	1 1/2" HMAC	915	SY	10.00	9,150.00
10	Stop Bar Markings	1	EA	250.00	250.00
11	Traffic Signs	1	EA	400.00	400.00
12	Saw Cut Existing Pavement	230	LF	2.00	460.00
	SUBTOTAL CONSTRUCTION				\$ 28,414.00

PROJECT 4 - LAS PAIS DRIVE - Concluded

13	Contingencies				2,841.00
14	Basic Engineering				
	Surveying, Preparation of Plans and Specifications and Public Bidding Process				3,750.00
	TOTAL PROJECT 4			\$	35,005.00

PROJECT 5 - LAS FLORES DRIVE

Las Flores Drive along present alignment from FM 2325 to La Buena Vista Drive (1,410 LF). Scarified existing pavement, add 6" crushed limestone base and 1 1/2" HMAC pavement (22').

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
1	Traffic Control	1	LS	2,000.00	2,000.00
2	Subgrade Preparation along Edge of Pavement	630	SY	5.00	3,150.00
3	Scarify, Spread and Recompact	3,760	SY	4.00	15,040.00
4	6" Crushed Limestone Base	3,760	SY	7.00	26,320.00
5	Asphallic Prime Coat	690	GAL	3.25	2,243.00
6	1 1/2" HMAC (2)	3,450	SY	10.00	34,500.00
7	Remove Existing 18" CMP and Concrete Headwall	1	LS	1,500.00	1,500.00
8	24" RCP Culvert	32	LF	70.00	2,240.00
9	24" Pipe Headwall	2	EA	2,000.00	4,000.00
10	Stop Bar Markings	1	EA	250.00	250.00
11	Saw Cut Existing Pavement	60	LF	2.00	120.00
12	Remove Existing 12" CMP Driveway Culverts	1	LS	800.00	800.00
13	18" Driveway Culverts	40	LF	55.00	2,200.00
14	18" Pipe Sloping Headwall	4	EA	1,400.00	5,600.00
15	Street Striping	5,640	LF	1.00	5,640.00
	SUBTOTAL CONSTRUCTION			\$	105,603.00
16	Contingencies				10,560.00
17	Basic Engineering				
	Surveying, Preparation of Plans and Specifications and Public Bidding Process				13,940.00
	TOTAL PROJECT 5			\$	130,103.00

NOTE:

- 1) Reconstruction of driveways within right-of-way is not included.

PROJECT 6 - EMERGENCY ACCESS TO PARADISE HILLS

Construct 1,700 LF of 14' width access road along existing trail. No work is proposed for first 1,400 LF of trail off RR-12.

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
1	Cut and Shred Trees/Brush along Trail	1	LS	4,000.00	4,000.00
2	Blade and Shape Trail (18')	3,400	SY	4.00	13,600.00
3	6" Crushed Limestone Base (14')	2,650	SY	7.50	19,875.00
4	Asphallic Prime Coat (15')	570	GAL	3.50	1,995.00
5	Single Course Surface Treatment	2,840	SY	7.00	19,880.00
6	Rock Berm	500	LF	15.00	7,500.00
	SUBTOTAL CONSTRUCTION			\$	66,850.00

PROJECT 6 - EMERGENCY ACCESS TO PARADISE HILLS - Concluded

7	Contingencies	6,685.00
8	Basic Engineering	
	Surveying, Preparation of Plans and Specifications and Public Bidding Process	<u>8,820.00</u>
	TOTAL PROJECT 6	\$ 82,355.00

NOTES:

- 1) Easement acquisition cost is not included in above tabulation.
- 2) Grade of existing trail varies from 25 to 30 percent in two areas. Along one 500' segment, the average grade is about 20 percent. Along another 250' segment, the average grade is about 26 percent.

PROJECT 7 - NEW SIDEWALK IN SQUARE AREA

Construct sidewalks from the City Parking Lot on Oak Street to The Square and Old Mill Store (Segment 1) and from Oak Street to Garden Gate Area (Segment 2). The following tabulation of cost uses the same unit costs as tabulated in September 2008 with quantities adjusted to reflect construction of sidewalk across frontage of City's new parking area on Oak Street and from Oak Street west 150 LF.

Segment 1 - Sidewalk

<u>Item No.</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total Amount</u>
1	Concrete Sidewalk, 6' Width	3,678	SF	5.75	21,149.00
2	Sidewalk Driveway Crossings, 63' @ 6"	738	SF	6.50	4,797.00
3	Sidewalk Curb Ramp with Pavers	1	EA	1,800.00	1,800.00
4	Saw Cut Existing Asphalt Concrete	832	LF	3.00	2,496.00
5	2" HMAC	340	SY	14.00	4,760.00
6	Large Tree Removal	8	ES	700.00	5,600.00
7	Remove and Reconstruct Wood Fence	100	LF	8.00	800.00
8	Removal of Wooden Steps	1	LS	500.00	500.00
9	Stone Walkway Reconstruction	40	SF	6.00	240.00
10	Concrete Planter Boxes	27	EA	500.00	13,500.00
11	1" PVC Electrical Conduit	840	LF	3.50	2,940.00
12	Fire Lane Striping and Signage	575	LF	3.00	1,725.00
	SUBTOTAL CONSTRUCTION				\$ 60,307.00
13	Contingencies				6,031.00
14	Basic Engineering (Credit for previous payment not shown)				
	Surveying, Preparation of Plans and Specifications and Public Bidding Process				<u>8,624.00</u>
	SUBTOTAL PROJECT 7 SEGMENT 1 - SIDEWALK				\$ 74,962.00

Segment 1 - Water Line

<u>Item No.</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total Amount</u>
1	6" PVC C-900, DR-18 Water Line	795	LF	30.00	23,850.00
2	6" Gate Valve	4	EA	750.00	3,000.00
3	2" Gate Valve	1	EA	250.00	250.00
4	6" DI Hydrant Lead	12	LF	45.00	540.00
5	Fire Hydrant Lead	2	EA	3,500.00	7,000.00
6	DI Fittings	0.25	TON	4,000.00	1,000.00
7	6" Wet Connection	1	EA	1,000.00	1,000.00
8	2" Wet Connection with Fittings	1	EA	500.00	500.00

Segment 1 - Water Line - Concluded

9	1" PE GI 200 Service Line in 3" PVC Sleeve	210	LF	10.00	2,100.00
10	Reconnect Meter Service Line	7	EA	225.00	1,575.00
11	Relocate Meter Service	1	EA	350.00	350.00
12	New Meter Service	3	EA	425.00	1,275.00
13	1 1/2" PVC SDR-21 Irrigation Line	735	LF	4.00	2,940.00
14	1" PVC Schedule 40 Irrigation Lateral	120	LF	6.00	720.00
	SUBTOTAL CONSTRUCTION				\$ 46,100.00
15	Contingencies				4,610.00
16	Basic Engineering (Credit for previous payment not shown)				
	Surveying, Preparation of Plans and Specifications and Public Bidding Process				6,590.00
	TOTAL PROJECT 7 SEGMENT 1 - WATER LINE				\$ 57,300.00

Segment 2

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
1	Concrete Sidewalk, 6' Width	900	SF	5.75	5,175.00
2	Pedestrian Crossings Striping	1	SF	400.00	400.00
3	Sidewalk Curb Ramp with Pavers	1	EA	1,800.00	1,800.00
4	Saw Cut Existing Asphalt Concrete	150	LF	3.00	450.00
5	2" HMAAC	34	SY	14.00	476.00
6	Concrete Planter Boxes	3	EA	500.00	1,500.00
7	1" PVC Electrical Conduit	190	LF	3.50	665.00
8	Fire Lane Striping and Signage	150	LF	3.00	450.00
	SUBTOTAL CONSTRUCTION				\$ 10,916.00
9	Contingencies				1,092.00
10	Basic Engineering (Credit for previous payment not shown)				
	Surveying, Preparation of Plans and Specifications and Public Bidding Process				1,560.00
	SUBTOTAL PROJECT 7 SEGMENT 2				\$ 13,568.00
	TOTAL PROJECT 7 (SEGMENTS 1 AND 2)				\$ 145,830.00

PROJECT 8 - DRAINAGE ON GREEN ACRES ROAD

Reconstruct existing culvert consisting of three 36" CMPs with concrete headwalls. Contributing drainage basin is about 212 acres with 10-year storm frequency flow of about 800 cfs and 25-year storm frequency flow of about 1,000 cfs for current basin conditions. The water surface elevation (WSEL) for various storm frequency is tabulated below for the existing three 36" culverts:

Storm	WSEL	Depth Over Road
10-year	897.28'	2.05'
25-year	897.54'	2.31'
100-year	897.96'	2.73'

The top of the existing road elevation is 895.23'. To reduce depth of flow over road to less than 0.5' for 100-year storm flow requires five 6' span x 5' height box culverts maintaining the current flow line. Five 6' x 5' box culverts will inundate the road to a depth of 0.1' for the 25-year storm and 1' for the 100-year storm. Five 6' x 5' replacement culverts will inundate the road greater than the 0.5' required by City Code but is used for budget planning purposes.

PROJECT 8 - DRAINAGE ON GREEN ACRES ROAD - Concluded

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
1	Traffic Control	1	LS	4,000.00	4,000.00
2	Excavate and Remove Existing Culvert Pipe and Headwalls	1	LS	6,000.00	6,000.00
3	Five 6' x 5' Box Culverts and Backfill	34	LF	1,450.00	49,300.00
4	Box Culvert Headwalls	2	EA	18,000.00	36,000.00
5	Road Base	334	SY	15.00	5,010.00
6	Asphaltic Prime Coat	50	GAL	4.00	200.00
7	2" HMAc	244	SY	15.00	3,660.00
8	Pavement Striping	400	LF	2.00	800.00
9	Saw Cut Existing Pavement	44	LF	2.00	88.00
10	Silt Fencing	100	LF	3.00	300.00
11	Revegetation and Hydromulch	600	SY	3.00	1,800.00
	SUBTOTAL CONSTRUCTION			\$	107,158.00
13	Contingencies				10,716.00
14	Basic Engineering Surveying, Preparation of Plans and Specifications and Public Bidding Process				14,145.00
	TOTAL PROJECT 8			\$	132,019.00

PROJECT 9 - DRAINAGE ON CYPRESS CREEK LANE

Reconstruct existing 12" CMP culvert near the intersection of Cypress Creek Lane and Bluebird Lane. The contributing drainage area to this culvert is about 27 acres and the 25-year storm flow is about 120 cfs. To reduce depth of flow over the road to less than 0.5' requires two 5' span x 3' height box culverts. Because of the size of the existing culvert and shallow depth of bury, the outlet of the new structure will require cutting a channel on private property and acquisition of easement.

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
1	Traffic Control	1	LS	4,000.00	4,000.00
2	Excavate and Remove Existing Culvert Pipe and Headwalls	1	LS	1,000.00	1,000.00
3	Two 5' x 3' Box Culverts and Backfill	34	LF	475.00	16,150.00
4	Box Culvert Headwalls	2	EA	8,000.00	16,000.00
5	Outlet Channel Excavation	140	SY	20.00	2,800.00
6	Road Base	250	GAL	15.00	3,750.00
7	Asphaltic Prime Coat	40	SY	4.00	160.00
8	2" HMAc	200	LF	15.00	3,000.00
9	Pavement Striping	160	LF	2.00	320.00
10	Saw Cut Existing Pavement	42	LF	2.00	84.00
11	Silt Fencing	40	SY	3.00	120.00
12	Rock Berm	40	25.00	25.00	1,000.00
13	Revegetation and Hydromulch	400	3.00	3.00	1,200.00
	SUBTOTAL CONSTRUCTION			\$	49,584.00
14	Contingencies				4,955.00
15	Basic Engineering Surveying, Preparation of Plans and Specifications and Public Bidding Process				6,545.00
	TOTAL PROJECT 9			\$	61,084.00

SUMMARY OF TAB TRANSPORTATION PROJECTS COST

Project 1A	\$	140,988.00
Project 1B	\$	29,426.00
Project 2	\$	36,492.00
Project 3 Segment 1	\$	68,428.00
Project 3 Segment 2	\$	27,522.00
Project 4	\$	35,005.00
Project 5	\$	130,103.00
Project 6	\$	82,355.00
Project 7	\$	145,830.00
Project 8	\$	132,019.00
Project 9	\$	61,084.00

The above tabulation of cost is based upon estimated quantities and unit prices and should not be interpreted as actual cost. The actual cost of construction will be determined using bid prices submitted from a qualified contractor.

PREPARED BY: Joel D. Wilkinson 01/19/2010
Joel D. Wilkinson, P.E. Date
Neptune Wilkison Associates, Inc. TBPE Firm # F-359

