

AMENDED AGENDA

AMENDED AGENDA OF THE JOINT WORK SESSION WITH THE MAYOR AND COUNCIL AND THE STREETS & INFRASTRUCTURE COMMITTEE OF THE CITY OF BISBEE, COUNTY OF COCHISE, STATE OF ARIZONA TO BE HELD ON TUESDAY, APRIL 13, 2010 AT 6:30 PM IN THE BISBEE MUNICIPAL BUILDING, 118 ARIZONA STREET, BISBEE, ARIZONA.

THE MEETING CALLED TO ORDER BY \_\_\_\_\_ AT \_\_\_\_\_ PM.

ROLL CALL

COUNCIL

Councilmember Boyd Nicholl, Ward I  
Councilmember Bennie Scott, Ward III  
Councilmember Luche Giacomino, Ward II  
Mayor W.J. "Jack" Porter  
Councilmember Anna Cline, Ward III  
Councilmember Raymond Rodgers, Ward II Mayor Pro Tempore  
Councilmember Ken Budge, Ward I

STREETS AND  
INFRASTRUCTURE COMMITTEE

John E. Crowe  
Douglas Dunn  
Karl Grubbe  
Patricia Morris  
Lawrence Phillips  
Ramiro Ross

STAFF

Stephen J. Pauken, City Manager  
Gloria P. Gonzalez, Interim City Clerk  
Dee L. Flanagan, Finance Director  
John Charley, Community Development Director  
Taron Maddux, Acting Police Chief  
Jack Earnest, Fire Chief  
Jennifer L. Graeme, Personnel Director  
Russ McConnell, Public Works Director  
Peg White, Library Director  
Tom Klimek, Deputy Public Works Director

CITY ATTORNEY

Mark J. Langlitz

THE FOLLOWING ITEM WILL BE DISCUSSED AND/OR CONSIDERED AT THIS MEETING:

1. DISCUSSION OF THE PROGRAMS AND RECOMMENDATIONS MADE BY THE STREETS AND INFRASTRUCTURE COMMITTEE.  
TOM KLIMEK, DEPUTY PUBLIC WORKS DIRECTOR

ADJOURNMENT

Anyone needing special accommodation to attend this meeting should contact Gloria Gonzalez at (520) 432-6012 at least twenty-four hours before the meeting.



AGENDA ITEM NUMBER 1

REQUEST FOR COUNCIL ACTION

<b>DATE SUBMITTED:</b> APRIL 06, 2010	<b>TYPE OF ACTION:</b> <input type="checkbox"/> RESOLUTION <input type="checkbox"/> ORDINANCE <input type="checkbox"/> FORMAL ACTION <input checked="" type="checkbox"/> OTHER:	<b>SUBJECT:</b> DISCUSSION OF THE PROGRAMS AND RECOMMENDATIONS MADE BY THE STREETS & INFRASTRUCTURE COMMITTEE.
<b>DATE ACTION REQUESTED:</b> APRIL 13, 2010		
<input checked="" type="checkbox"/> REGULAR <input type="checkbox"/> CONSENT		

<b>TO:</b> Mayor and Council
<b>FROM:</b> Thomas J. Klimek, P.E., R.L.S. Deputy Public Works Director
<b>RECOMMENDATION:</b> For Discussion Only
<b>PROPOSED MOTION:</b> For Discussion Only

**DISCUSSION:** The Streets and Infrastructure Committee will update Mayor and Council on their progress and discuss their recommendation for a 1% Sales Tax Increase.

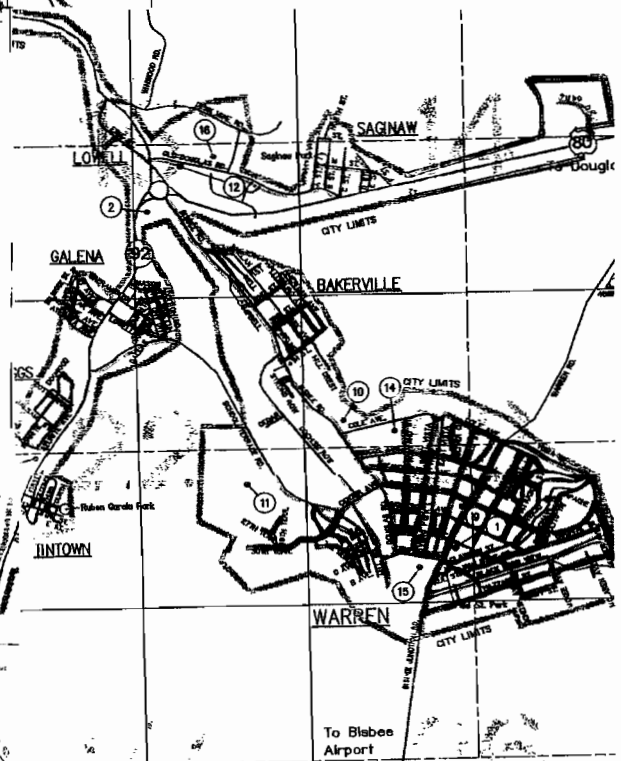
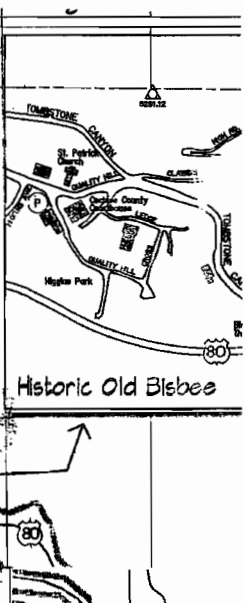
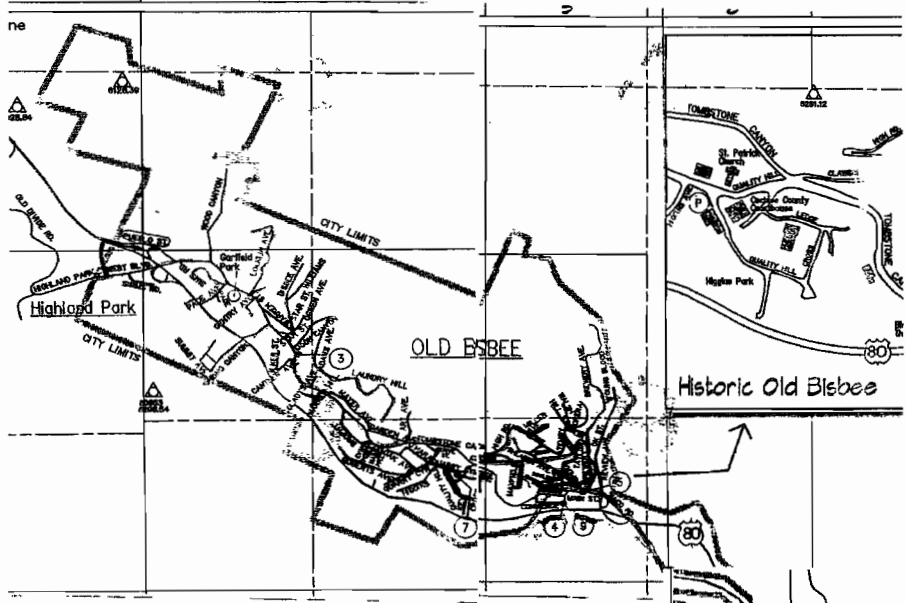
<b>FISCAL IMPACT:</b> TO BE DETERMINED
<b>DEPARTMENT LINE ITEM ACCOUNT:</b> TO BE DETERMINED
<b>BALANCE IN LINE ITEM IF APPROVED:</b> TO BE DETERMINED

Prepared by: Thomas J. Klimek  
Thomas J. Klimek, P.E., R.L.S.  
Deputy Public Works Director

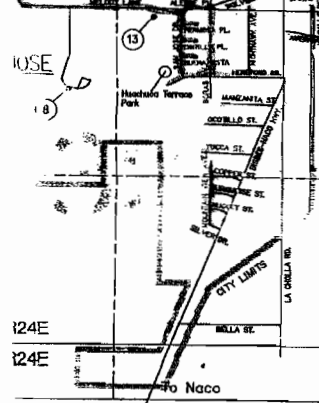
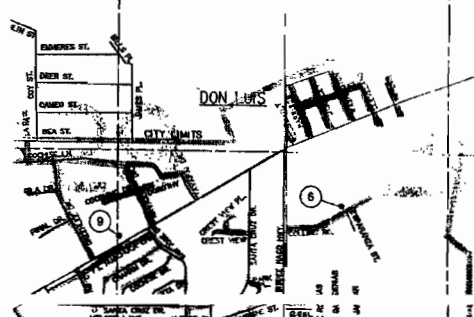
Reviewed by: W.J. Potter  
W.J. Potter, Mayor

## **ITEMS FOR DISCUSSION**

- (1) Map developed by the Streets and Infrastructure Committee identifying the conditions of the streets in the City of Bisbee, Arizona.
  - A. Map
  - B. Map Description
  - C. Color Coding – Legend
  - D. Miles and Percentage (%) of Streets based on Color Code
  - E. List of Local Street right-of-ways
  
- (2) Pavement
  - A. Same standard cross-sections
  - B. Pavement section exhibit
  - C. Recommended minimum pavement sections
  - D. General Costs per Scenarios 1, 2 & 3
    - 1 – Asphalt Pavement
    - 2 – Mill & Overlay
    - 3 – Double Chip Seal
  
- (3) Finance Plan – Street and Infrastructure Committee (SIC) Recommendation
  - A. SIC sales Tax Increase – Motion by SIC as shown in Action Agenda for Special meeting held on April 1, 2010.
  
- (4) Overall plan to be developed
  - A. Current SIC believes that the plan, once developed, should take the form of a number of miles based on scenario's 1, 2 and 3 in combination.



8. COCHISE COUNTY OFFICES  
 9. U.S. POST OFFICE  
 10. COPPER QUEEN HOSPITAL  
 11. BISBEE HIGH SCHOOL  
 12. LOWELL JUNIOR HIGH SCHOOL  
 13. BISBEE MIDDLE SCHOOL  
 14. GREENWAY ELEMENTARY SCHOOL  
 15. WARREN BALL PARK  
 16. EMERGREEN CEMETARY



**LEGEND**

Grading Score	Color	Surface Condition
5	(White)	Best
4	(Light Gray)	Above Average
3	(Medium Gray)	Average
2	(Dark Gray)	Below Average
1	(Black)	Failed Surface

124E  
 124E  
 3 4 5 6 7

### **MAP DESCRIPTION**






In order for the Streets and Infrastructure Committee to determine which streets in the City of Bisbee will require reconstruction and maintenance, it became necessary for the committee members to visit and to assess each street in the city and make a determination of the pavement surface condition. Each color represents the pavement surface condition and is described in the **Legend** below.

From observation it can be seen that many of the streets are colored red (26%) which represents a failed surface condition and therefore in need of repair as soon as funding can be made available. Other colors such as orange (29%) are less critical but yet in need of repair as being below average acceptable condition. The average surface condition is (31%) with blue (12%) being above average condition and green (2%) being the best.

It is the **GOAL** of the Streets and Infrastructure Committee to recommend to the City of Bisbee City Council a proposed Capital Improvements Program which will identify the streets to be improved, when and at what cost.

The Street and Infrastructure Committee would also like to hear from interested citizens regarding the findings of the committee and welcomes their input at the monthly meetings generally held on the last Thursday of the month at 5:30 pm in the City Hall Council Chambers. As identified in the meeting agenda there is a call to the public at the beginning of the session and we would encourage you to participate.

# LEGEND

Grading Score	Color	Surface Condition
5		Best
4		Above Average
3		Average
2		Below Average
1		Failed Surface

STREET CONDITION SUMMARY

CLASS: LOCAL STREETS

AREA	RED	ORANGE	YELLOW	BLUE	GREEN	TOTAL
Old Bisbee	4.29	2.02	2.05	.29	∅	8.65 21.5%
Saginaw	.27	∅	.64	1.21	∅	2.12 5.3%
Lowell	.06	∅	.32	∅	∅	.38 1.0%
Bakerville	∅	1.08	∅	∅	.82	1.90 4.7%
Warren	4.03	4.51	3.29	1.75	∅	13.58 33.7%
Galena	∅	.23	1.52	∅	∅	1.75 4.3%
Briggs	∅	∅	.89	∅	∅	.89 2.2%
Tin Town	.81	∅	∅	∅	∅	.81 2.0%
Don Luis	.99	∅	∅	∅	∅	.99 2.5%
San Jose	.17	4.08	3.75	1.42	.16	9.58 24.1%
TOTALS	10.72 26.3%	11.92 29.3%	12.46 30.6%	4.67 11.5%	.98 2.4%	40.75 100.0%

STREET CONDITION SUMMARY

CLASS: COLLECTOR STREETS

AREA	RED	ORANGE	YELLOW	BLUE	GREEN	TOTAL
Old Bisbee	∅	.43	1.76	∅	∅	2.19 52.32
Warren	.67	.10	1.76	.13	∅	2.66 57.5
Galena	∅	∅	.29	∅	∅	.29 4.32
San Jose	∅	∅	1.63	∅	∅	1.63 27.1%
TOTALS	.67 1.2%	.53 7.8%	5.44 10.9%	.13 1.9%	∅ 0.0%	6.77 120.1%

118

3-16-10

WARREN 30 - 120' R/W  
AVG. 50' R/W LOCAL RES.  
AVG. 70' R/W COLLECTOR

RT. OF way Dimensions for Warren

Adsit St. = 30 FT.

Hazzard St. = 50'

McNeish Ave. = 50'

McKee Ave. = 50'

McClaren Ave. = 50'

Blk. Knobview = <sup>110'</sup>120'

Minder Ave. = 50'

Van Dyke St. = 40'

Cochise Tr. = <sup>30'</sup>30'

Ruppe Ave. = 80'

Clawson St. = 50'

Campbell St. = 50'

Cole Ave. = 60'

Mance St. = 30'

Oliver Circle = 50'

Arizona St. = 110'

Powell St. = 50'

Hoveland St. = 50'

Briggs Ave. = 50' + 20' - 30'

Dutremont Ave. = 50'

Congdon Ave. = 50'

Hoatson Ave. = 50'

Tennes Ave. = 50'

Powell St. = 50'

E. Vista = 70'

W. Vista = 70'

enter Line  
Torm Drain

enter Line  
Torm drain

2/8

RT. of way dim. Continued. For Warren

Douglas ST. = 70 FT.

Bisbee Rd. = 100'

Center Ave. = 80'

School Ter. Rd. = 60'

Mill Rd. = 60'

13<sup>th</sup> Ter. = 50'

14<sup>th</sup> Ter. = 50'

15 Ter. = 50'

C Ave. = 60'

D. Ave. = 40'

Yuma Tr. = 30'

Nava Tr. = 30'

Mohave Tr. = 30'

Manuelito Tr. = 30'

19<sup>th</sup> Ter. = 50'

27<sup>th</sup> Ter. = 50'

30<sup>th</sup> Ter. = 50'

16<sup>th</sup> Ter. = 40'

RT. of way Dim. For Briggs

Azomite Ave. = 50 FT.

Dorrite Ave. = 50'

Cottonwood ST. = 40'

Balsom ST. = 40'

HSpEn ST. = 50'

Dogwood ST. = 50'

3/8

GALENA 10' - 40' R/W  
AVG. 30' R/W LOCAL RES.

RT. of way dimensions for Galena

ATLANTA Ave. = <sup>30</sup>40 FT.

NEPTUNE Ave = <sup>30</sup>40

CZAR Ave. = <sup>30</sup>40

SPRAY Ave. = <sup>20</sup>30

LOWELL Ave. = <sup>30</sup>40

SACRAMENTO Ave. = <sup>30</sup>40

MASON Addition Rd. = <sup>30</sup>40

MASON Addition ST. = <sup>20</sup>

HILLSIDE ST. = <sup>20</sup>30

DALLAS ST. = <sup>20</sup>30

GARDNER ST. = <sup>20</sup>30

OAKLAND ST. = <sup>10</sup>20

COPPER ST. = <sup>10</sup>20

HOLBROOK ST. = <sup>30</sup>40

RT. of way dimensions for Bakerville

COCHISE Row = 57 FT.  
<sup>20</sup>

STRONG Row = 30

FIRST ST. = 50'

SECOND ST. = 50'

THIRD ST. = 50'

FOURTH ST. = 50'

WELL ST. = 30'

WHELAN ST. = 30'

PARK Ave. = 50'

PITTSBURG Ave. = 50'

AMERICAN Ave. = 50'

BAKERVILLE 20'-57' R/W  
AVG. 50' R/W MIXED USE

Maybe wider?

4/8

Campbell ST. = <sup>20'</sup><sub>30'</sub>  
20'

Pirrung Ave. = 20

RT. OF way dimensions for Saginaw

A ST. = <sup>30'</sup><sub>40'</sub>

B ST. = <sup>30'</sup><sub>40'</sub>

C ST. = <sup>30'</sup><sub>40'</sub>

D ST. = <sup>30'</sup><sub>40'</sub>

E ST. = <sup>30'</sup><sub>40'</sub>

F ST. = <sup>30'</sup><sub>40'</sub>

North ST. = <sup>30'</sup><sub>40'</sub>

M ST. = <sup>30'</sup><sub>20'</sub>

N. ST. = <sup>20'</sup><sub>30'</sub>

Old Doug. Rd. =

SAGINAW 20'-40'  
AVG. 40' R/W LOCAL RES.

RT. OF way dimensions for San Jose

Silver Dr. = 50'

Nugget ST. = 50'

Turquoise ST. = 50'

Copper ST. = 50'

Yucca ST. = <sup>30'</sup>~~50'~~

Mt. View Ave = <sup>50'</sup><sub>20'</sub>

Ocotillo ST. = <sup>20'</sup><sub>30'</sub>

Manzanita ST. = <sup>20'</sup><sub>30'</sub>

Herford Rd. = 50'

San Jose Dr. = 60'

Buena Vista Pl. = 50'

Cintilla Pl. = 50'

Hermosa Pl. = 50'

SAN JOSE 20'-50' R/W

AVG. 50' R/W LOCAL RES.  
60' R/W LOCAL COL.

5/8

Alegre Pl. = 50 FT

Santa Cruz Dr. = 60'

VISTA Dr. = 50'

Cochise Dr. = 50'

Graham Dr. = 50'

FT. HUACHUCA LN. = 30'

Maricopa Dr. = 50'

Yuma Dr. = 50'

Pima Dr. = 50'

Camino Ct. = 50'

Mohave Dr. = 60'

Gila Dr. = 50'

Pinal Dr. = 50'

Cochise LN. = ~~50'~~  
60'

Greenlee Dr. = 60'

Coconino Dr. = 50'

Navajo Dr. = 60'

Yavapai Dr. = 60'

RT. of way dimensions for Don Luis

Rosevelt = 60 FT,

DON LUIS 60' R/W

Harrison = 60'

McKinley = 60'

Washington = 60'

Cleveland = 60'

Taylor = 60'

6/8

RT. OF way dimensions for old Bisbee

- Naco Rd. = <sup>60</sup>70 FT.
- Ok ST. = <sup>30'</sup>40
- Review alley = <sup>30'</sup>40
- Brewery Ave. = <sup>50'</sup>60
- Howell Ave. = <sup>40'</sup>60
- Opera Dr. = <sup>20'</sup>20
- Walsh Ave. = <sup>20'</sup>30
- Hunt Ave. = <sup>20'</sup>30
- High Rd. = <sup>20'</sup>30
- Temby Ave. = <sup>20'</sup>20
- (Keller) Miller St. = <sup>20'</sup>30
- Angelus St. = <sup>30'</sup>30
- Sowles BFB. = <sup>20'</sup>30
- Tack Ave. = <sup>20'</sup>30
- Subway St. = <sup>40'</sup>50
- Maxfield Ave. = <sup>40'</sup>50
- Clawson Ave. = <sup>20'</sup>30
- High Rd. = <sup>30'</sup>40
- Cross Ave. = <sup>20'</sup>50
- Ledge = <sup>20'</sup>50
- Quality Hill Rd. = <sup>40'</sup>40
- Higgins Hill Rd. = <sup>20'</sup>60
- Quarry Cyn. Ave. = <sup>20'</sup>60
- Roberts Ave. = <sup>40'</sup>50
- O'Hare Ave. = <sup>40'</sup>50
- Oak Ave. = <sup>40'</sup>50

OLD BISBEE 20'-70' R/W  
 AVG. 40' R/W LOCAL RES  
 60' R/W LOCAL COL.

Lower Clawson Ave = 40'

Lower Q.H.R. = 60'

7/8

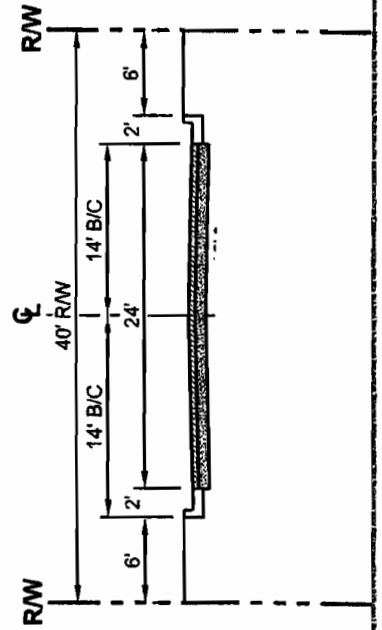
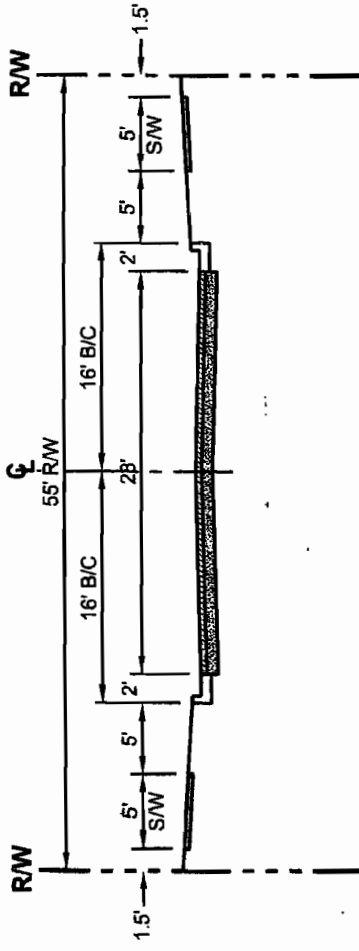
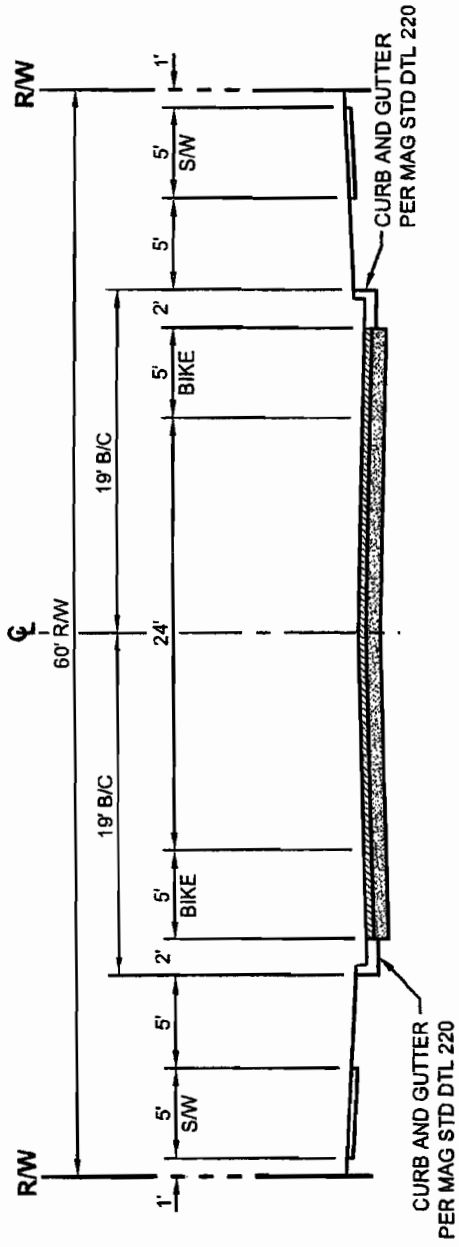
HRT Ave =  $\begin{matrix} 20' \\ 40' \end{matrix}$   
Perley =  $\begin{matrix} 20' \\ 30' \end{matrix}$   
Mason Hill =  $\begin{matrix} 20' \\ 30' \end{matrix}$   
Evans =  $\begin{matrix} 20' \\ 30' \end{matrix}$   
Brophy =  $\begin{matrix} 20' \\ 40' \end{matrix}$   
Garden Ave. =  $\begin{matrix} 20' \\ 40' \end{matrix}$   
Hish Rd. =  $\begin{matrix} 20' \\ 40' \end{matrix}$   
Laundry hill = 40'  
O'Brien Ave. = 60'  
Star Ave. = 60'  
Williams Ave. = 60'  
Moon Cyn. Rd. =  $\begin{matrix} 40' \\ 60' \end{matrix}$   
Ikler = 40'  
Bentley Ave. = 30'  
Gladys Ave. =  $\begin{matrix} 40' \\ 50' \end{matrix}$   
Adams Ave. =  $\begin{matrix} 30' \\ 40' \end{matrix}$   
Compton ST. =  $\begin{matrix} 30' \\ 40' \end{matrix}$   
Pueblo ST. =  $\begin{matrix} 30' \\ 40' \end{matrix}$   
? west Blvd. = 50' Tombstone Cyn. = 50'

NOT on  
CITY map

8/8 Missing from List

~~CHIPS~~

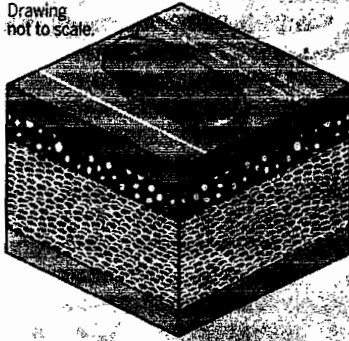
- Warren Paul ST. = 50 FT.
- Warren Arizona ST. frontage = 30 FT.
- Warren Shattuck ST. = 30 FT.
- in Jose Nighthawk Ave =
- in Jose Camino CT. = 50'
- in Jose Swanner ST. = 50'
- in Jose Brockbank Ave = 50'
- Old Bisbee Taylor =
- Old Bisbee Hill =
- Old Bisbee Shearer Ave. =
- Old Bisbee Key ST. =
- B. Wood Cyn. =
- Locklin Ave. =
- Warren ST. =
- Summit Ave. =
- Spring Cyn. =
- Warren Hill =
- Mayer Ave. =
- Bisbee Ave. =
- Old Bisbee Youngblood Hill =



## What makes up our major roads?

When the top layer of a major roadway starts to crack or deteriorate, potholes can form. After the top layer is compromised, the damage makes its way down to other layers. The deeper the damage, the more it costs to repair the road.

Drawing not to scale.



**Rubber asphalt**  
Depth: 2 inches

Smooth, durable top layer reduces vehicle noise and is major contributor to pavement stability.

**Asphalt**  
Depth: 2.5 inches

Made of small chips and sand with oil or petroleum working as a binder.

**Aggregate base course**  
Depth: 9 inches

Composed of sand, gravel and stone; increases stability of the pavement.

**Compacted subgrade**  
Depth: Indefinite

Existing ground prepared below the pavement structure.

\* Thickness of the layers varies depending on the road, how much traffic carries, where it is, whether it's graded or angled.

SOURCES: Pima County Department of Transportation; Tucson Department of Transportation

2/25/10

MGT, ARIZONA DAILY STAR

**STRUCTURAL PAVEMENT SECTIONS  
(Minimum Sections)**

Local Residential	2½ inch A.C. 3 inch A.B.C.
Local Collector	3 inch A.C. 6 inch A.B.C.
Minor Arterial	3½ inch A.C. 8 inch A.B.C.
Major Arterial	4 inch A.C. 8 inch A.B.C.

**Legend**

A.C. – Asphaltic Concrete  
A.B.C. – Aggregate Base Course

**Note:** All roadway pavement structural sections shall be subject to a geotechnical analysis so as to determine the need to adjust or accept the above referenced minimum standards. Average daily traffic counts will be utilized along with the geotechnical soil/rock conditions.

# COST ESTIMATES

## **SENARIO #1**

24 Ft. Wide Pavement (2 1/2-inch Asphalt on 3-inch Aggregate Base Course) with Concrete Curb and Gutter \$215/LF

## **SENARIO #2**

24 Ft. Wide Pavement (2-inch Asphalt Overlay Thickened Edge) with 2" Milling, no Concrete Curb and Gutter \$100/LF

## **SENARIO #3**

24 Ft. Wide Double Chip Seal with Bo-Mag equipment to heat and spray emulsified asphalt and spread aggregate in the chip seal process \$ 50/LF

# **ACTION AGENDA - SPECIAL MEETING**

## **ACTION AGENDA FOR THE STREETS AND INFRASTRUCTURE COMMITTEE OF THE CITY OF BISBEE, COUNTY OF COCHISE, STATE OF ARIZONA, HELD A SPECIAL MEETING ON THURSDAY, APRIL 1, 2010 AT 5:30 P.M. IN THE BISBEE MUNICIPAL BUILDING LOCATED AT 118 ARIZONA STREET, BISBEE, ARIZONA.**

MEETING CALLED TO ORDER BY Mr. Douglas Dunn AT 5:32 P.M.

### **ROLL CALL:**

John E. Crow (Absent)	Patricia Morris (Present)
Douglas Dunn (Present)	Ramiro Ross (Present)
Karl S. Grubbe (Absent)	Lawrence C. Phillips (Present)
Thomas W. Mosier (Present)	
Tom Klimek, Deputy Public Works Director, Staff Liaison (Present)	

### **1. CALL TO PUBLIC**

“This is the time for the public to comment. Members of the Board may not discuss items that are not specifically identified on the agenda. Therefore, pursuant to A.R.S. §38-431.01 (H), action taken as a result of public comment will be limited to requesting to study the matter, responding to any criticism or scheduling the matter for further consideration and decision at a later date.”

***NO ACTION REQUIRED-NO SPEAKERS***

**The following items will be discussed, considered or approved at this meeting:**

### **2. NEW BUSINESS**

**A.DISCUSSION AND APPROVAL OF A MOTION TO BE PRESENTED TO THE MAYOR AND CITY COUNCIL BY THE STREET AND INFRASTRUCTURE COMMITTEE FOR RECOMMENDATION TO APPROVE PUTTING ON THE NOVEMBER 2010 BALLOT A ONE CENT TAX INCREASE FOR THE PURPOSE OF IMPLEMENTING THE 20 YEAR STREET IMPROVEMENT PLAN DEVELOPED BY THE STREETS AND INFRASTRUCTURE COMMITTEE**

***NO ACTION REQUIRED: COMMENT ONLY*** The Streets and Infrastructure Committee approved a motion made by Mr. Lawrence Phillips and Seconded by Mr. Thomas Mosier to recommend the following motion to the Bisbee City Council:

#### ***SIC Sales Tax Increase Motion***

*I move to forward to the Mayor and Council the following recommendations: (1) that it propose a 1% increase in the City's transaction privilege tax from 2.5% to 3.5%; (2) that the revenues derived from the 1% increase be used solely to fund improvements for*

*streets and related infrastructure purposes; (3) that the 1% increase automatically terminate 6 years from its effective date; (4) that the City make reasonable efforts to budget each fiscal year an additional amount of not less than 10% of the estimated revenues to be derived from the 1% increase to fund improvement for streets and related infrastructure purposes; (5) that the Streets and Infrastructure Committee continually meet and make recommendations to the Mayor and City Council regarding necessary streets and related infrastructure improvements; and (6) that the proposed 1% sales tax increase be submitted to the voters for approval at the next general election to be held on November 2, 2010.*

The vote to approve this motion was unanimous

### **3. COMMITTEE MEMBER COMMENTS**

#### ***NO ACTION REQUIRED-COMMENT ONLY-***

**Mr. Ramiro Ross** - Future motions made by the SIC regarding the description of what voters will look at should consist of separate and special funds so that there is no conflict with what the Public Works Department does as part of its regular operations.

**Mr. Lawrence Phillips** - We still have pilot projects outlined for the stairs at City Park, Saginaw fog Seal (Pavement Preservation). We also have other reconstruction projects. We need to remember to focus on required needs.

**Ms. Patricia Morris** - It is important to make sure that as we proceed with the Capital Improvements Program, project identification, that we include commissions such as Planning and Zoning and others. What we do impacts others and we need to think comprehensively.

**Mr. Thomas Mosier** - Mr. Lawrence Phillips needs to be complimented for all his hard work and ideas which he provides on a continuous basis

**Mr. Douglas Dunn** - Just a reminder, we will have our work session with the City Council on Tuesday, April 13, 2010 at 6:30 p.m.

### **ADJOURNMENT**

Motion: Mr. Lawrence Phillips

Second: Mr. Douglas Dunn

Time: 6:11 p.m.