

City of Desert Hot Springs



City Council

AGENDA ITEM REPORT

To: City Council
Date: April 6, 2021
Department: Public Works
Prepared by: Daniel Porras, Public Works Director
Subject: **Resolution in Support of the DHS Bridges Over Various Water Crossings Project**

RECOMMENDATION:

Adopt a Resolution of the City Council of the City of Desert Hot Springs, setting forth its commitment to use federal grants and other monies, if available, to improve infrastructure, including bridges and other crossings within the City of Desert Hot Springs.

BACKGROUND:

The City of Desert Hot Springs has a total of seven (7) low water crossings that are in need of infrastructure improvements. There are (2) low water crossings along Indian Canyon Drive, (2) on Dillon Road, (2) on Little Morongo Road, and (1) on Two Bunch Palms Trail. During rain events these low water crossings create flooding hazards that require the roads to be temporarily closed to through traffic. The road closures limit accessibility for drivers and pedestrians attempting to travel within, in, and out of the City. The limited accessibility causes major safety issues including accessing hospitals, schools, pharmacies, grocery stores, gas stations, and residences. In order to mitigate the flooding hazard and prevent the road closures, the low water crossings must be improved with bridges that divert the storm flows under the roadway. These improvements will help mitigate flooding hazards and allow all roads to remain open during all rain events and help have continuous accessibility within and out of the City.

In November 2020, the Coachella Valley Association of Governments (CVAG) consultant Michael Baker and Associates, completed the Flood and Blow Sand Risk Assessment and Improvements Plan for Western Coachella Valley, in which they identified all seven (7) low water crossings in Desert Hot Springs as being critical crossings in need of improvements. The location of the seven crossings are shown in Exhibit 1. In the study it was determined that the total estimated cost for each bridge was as follows:

Description	Total
Indian Canyon 1	\$ 1,797,000.00
Indian Canyon 2	\$ 1,383,000.00
Dillon Road 1	\$ 2,848,000.00
Dillon Road 2	\$ 2,359,000.00
Little Morongo 1	\$ 2,786,000.00

Little Morongo 2	\$ 1,837,000.00
Two Bunch Palms Trail	\$ 3,565,000.00
Construction Total	\$ 16,575,000.00
Design 10%	\$ 1,657,500.00
Environmental 10%	\$ 1,657,500.00
Grand Total	\$ 19,890,000.00

DISCUSSION:

The City was recently informed that federal funding may become available for infrastructure improvement projects such as bridges over low water crossings. Therefore, in order to be prepared for any grant application submittals that are required, federal or otherwise, Staff is recommending that the City Council adopt a Resolution in support of the DHS Bridges Over Various Water Crossing Project. The project includes the construction of all seven (7) bridges over water crossings and is estimated to cost \$19.9 Million. The draft resolution is shown in Exhibit 2.

FISCAL IMPACT:

This Resolution has no fiscal impact. Once funding becomes available to start these projects, Staff will bring the budget authority before Council for approval.

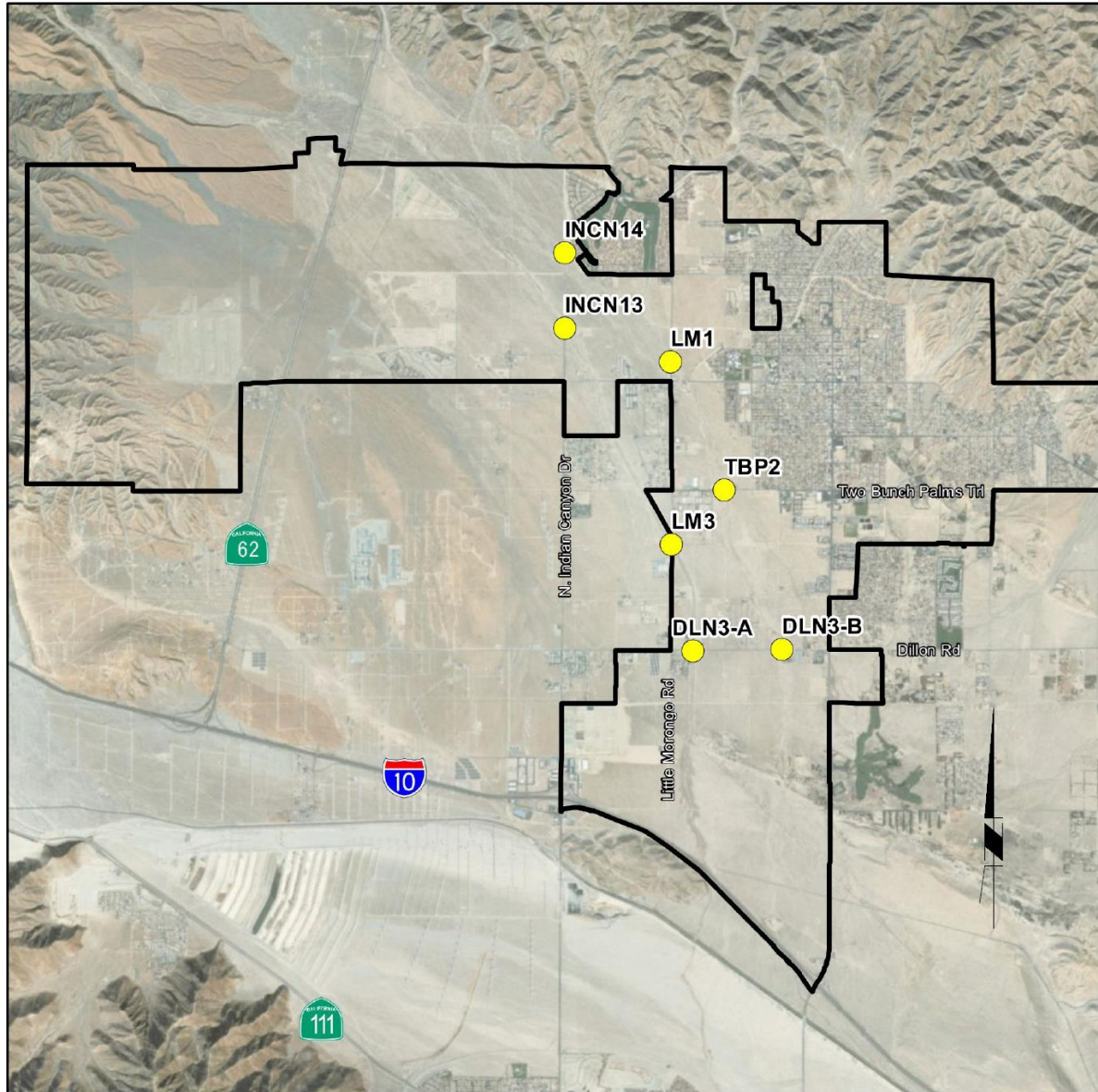
ATTACHMENTS:

[EXHIBIT 1 - Map with Bridge Locations and Estimates](#)

[EXHIBIT 2 - Resolution Commitment to DHS Bridges Project DRAFT](#)

Desert Hot Springs

Proposed Bridge Locations



LEGEND

(ID – Street – Estimated Cost)

INC14 – Indian Canyon 14 - \$1,797,000

INC13 - Indian Canyon 13 - \$1,383,000

DLN3-A – Dillon Road 3-A - \$2,848,000

DLN3-B – Dillon Road 3-B - \$2,359,000

LM1 – Little Morongo 1 - \$2,786,000

LM3 – Little Morongo 3 - \$1,837,000

TBP2 – Two Bunch Palms Trail -2 - \$3,565,000

INC13 - Indian Canyon 14

Item No.	Item Description	Unit	Unit Cost	Quantity	Item Cost
1	Hot Mixed Asphalt (Type A)	Ton	\$ 110.00	1,255	\$ 138,050.00
2	Class 2 Aggregate Base	CY	\$ 100.00	430	\$ 43,000.00
3	Roadway Excavation	CY	\$ 75.00	696	\$ 52,200.00
4	Import Borrow	CY	\$ 25.00	8,189	\$ 204,725.00
5	Construct cast in place foundation	CY	\$ 1,000.00	224	\$ 224,000.00
6	Construct cast in place headwall	CY	\$ 1,400.00	90	\$ 126,000.00
7	Structure Excavation	CY	\$ 110.00	591	\$ 65,010.00
8	Structure Backfill	CY	\$ 120.00	634	\$ 76,080.00
9	Removal of existing road (base and surfacing)	CY	\$ 50.00	115	\$ 5,750.00
10	Traffic Control (close road, set detour signs)	LS	\$ 45,000.00	1	\$ 45,000.00
11	Striping	LF	\$ 0.55	5,360	\$ 2,950.00
12	Pavement Markings	SF	\$ 40.00	78	\$ 3,120.00
13	Signing (remove existing sign)	EA	\$ 200.00	3	\$ 600.00
14	Reinforcing Steel for footings	LB	\$ 1.50	16,296	\$ 24,400.00
15	Relocate existng barbed wire fence w/metal posts	LF	\$ 25.00	1,200	\$ 30,000.00
16	Contech Components (CON/SPAN O-Series - 92 LF of 5'x25' spans)	LS	\$ 135,500.00	1	\$ 135,500.00
17	Utility Relocations (no visible utilities impacted)	LS	\$ -	1	\$ -
18	Mobilization (10%)	LS	\$ 130,709.44	1	\$ 130,700.00
	Subtotal Construction Costs				\$ 1,307,085.00
	Contigencies (25%)	LS	\$ 326,771.25	1	\$ 326,800.00
	CE Cost (12%)	LS	\$ 163,385.63	1	\$ 163,400.00
	Total for Location "INC14"				\$ 1,797,000.00

INC13 - Indian Canyon 13

Item No.	Item Description	Unit	Unit Cost	Quantity	Item Cost
1	Hot Mixed Asphalt (Type A)	Ton	\$ 110.00	799	\$ 87,890.00
2	Class 2 Aggregate Base	CY	\$ 100.00	287	\$ 28,700.00
3	Roadway Excavation	CY	\$ 75.00	804	\$ 60,300.00
4	Import Borrow	CY	\$ 25.00	4,808	\$ 120,200.00
5	Structural Concrete (RCB, parapet, cut-off wall, wingwalls)	CY	\$ 1,000.00	482	\$ 482,360.00
6	Structure Excavation	CY	\$ 110.00	395	\$ 43,450.00
7	Structure Backfill	CY	\$ 120.00	179	\$ 21,480.00
8	Removal of existing road (base and surfacing)	CY	\$ 50.00	681	\$ 34,050.00
9	Traffic Control (close road, set detour signs)	LS	\$ 25,000.00	1	\$ 25,000.00
10	Striping	LF	\$ 0.55	3,320	\$ 1,826.00
11	Signing (Remove existing signs)	EA	\$ 150.00	2	\$ 300.00
12	Reinforcing Steel (RCB, parapet, cut-off wall, wingwalls)	LB	\$ 1.50	51,353	\$ 77,030.00
13	Rip-Rap Slope Protection	CY	\$ 150.00	182	\$ 27,300.00
14	Utility Relocations (Protect in place)	LS	\$ -	1	\$ -
15	Mobilization	LS	\$ 112,209.56	1	\$ 112,200.00
16	Subtotal Construction Costs				\$ 1,005,496.00
	Contigencies (25%)	LS	\$ 251,374.00	1	\$ 251,400.00
	CE Cost (12%)	LS	\$ 125,687.00	1	\$ 125,700.00
	Total for Location "INC13"				\$ 1,383,000.00

DLN3-A – Dillon Road 3-A

Item No.	Item Description	Unit	Unit Cost	Quantity	Item Cost
1	Hot Mixed Asphalt (Type A)	Ton	\$ 110.00	741	\$ 81,510.00
2	Class 2 Aggregate Base	CY	\$ 100.00	266	\$ 26,600.00
3	Roadway Excavation	CY	\$ 75.00	439	\$ 32,925.00
4	Import Borrow	CY	\$ 25.00	4,905	\$ 122,625.00
5	Construct cast in place foundation	CY	\$ 1,000.00	377	\$ 377,000.00
6	Construct cast in place headwall	CY	\$ 1,400.00	179	\$ 250,600.00
7	Structure Excavation	CY	\$ 110.00	580	\$ 63,800.00
8	Structure Backfill	CY	\$ 120.00	1,928	\$ 231,360.00
9	Removal of existing road (base and surfacing)	CY	\$ 50.00	632	\$ 31,600.00
10	Traffic Control (close road, set detour signs)	LS	\$ 45,000.00	1	\$ 45,000.00
11	Striping	LF	\$ 0.55	2,310	\$ 1,270.00
12	Signing	EA	\$ 350.00	1	\$ 350.00
13	Reinforcing Steel for footings	LB	\$ 1.50	28,892	\$ 43,300.00
14	Rip-Rap Slope Protection	CY	\$ 150.00	335	\$ 50,250.00
15	Contech Components (CONSPAN O-Series - 230 LF of 5'x25' spans)	LS	\$ 331,000.00	1	\$ 331,000.00
16	Utility Relocations (Power Poles (2), Electrical Vault)	LS	\$ 120,000.00	1	\$ 120,000.00
17	Private Property improvements	LS	\$ 35,000.00	1	\$ 35,000.00
18	Right-of-Way (TCE and right-of entry)	LS	\$ 20,000.00	1	\$ 20,000.00
19	Mobilization (10%)	LS	\$ 207,132.22	1	\$ 207,100.00
	Subtotal Construction Costs				\$ 2,071,290.00
	Contingencies (25%)	LS	\$ 517,822.50	1	\$ 517,800.00
	CE Cost (12%)	LS	\$ 258,911.25	1	\$ 258,900.00
	Total for Location "DLN3-A"				\$ 2,848,000.00

DLN3-A – Dillon Road 3-B

Item No.	Item Description	Unit	Unit Cost	Quantity	Item Cost
1	Hot Mixed Asphalt (Type A)	Ton	\$ 110.00	722	\$ 79,420.00
2	Class 2 Aggregate Base	CY	\$ 100.00	259	\$ 25,900.00
3	Roadway Excavation	CY	\$ 75.00	693	\$ 51,975.00
4	Import Borrow	CY	\$ 25.00	4,758	\$ 118,950.00
5	Construct cast in place foundation	CY	\$ 1,000.00	298	\$ 298,000.00
6	Construct cast in place headwall	CY	\$ 1,400.00	185	\$ 259,000.00
7	Structure Excavation	CY	\$ 110.00	828	\$ 91,080.00
8	Structure Backfill	CY	\$ 120.00	865	\$ 103,800.00
9	Removal of existing road (base and surfacing)	CY	\$ 50.00	796	\$ 39,800.00
10	Traffic Control (close road, set detour signs)	LS	\$ 45,000.00	1	\$ 45,000.00
11	Striping	LF	\$ 0.55	2,250	\$ 1,237.50
12	Reinforcing Steel for footings	LB	\$ 1.50	22,550	\$ 33,830.00
13	Rip-Rap Slope Protection	CY	\$ 150.00	267	\$ 40,050.00
14	Contech Components (CON/SPAN O-Series - 184 LF of 5' x 25')	LS	\$ 265,800.00	1	\$ 265,800.00
15	Utility Relocations (relocate 2 power poles)	LS	\$ 90,000.00	1	\$ 90,000.00
16	Mobilization (10%)	LS	\$ 171,538.06	1	\$ 171,500.00
17	Subtotal Construction Costs				\$ 1,715,342.50
	Contigencies (25%)	LS	\$ 428,835.63	1	\$ 428,800.00
	CE Cost (12%)	LS	\$ 214,417.81	1	\$ 214,400.00
	Total for Location "DLN3-B"				\$ 2,359,000.00

LM1 – Little Morongo 1

Item No.	Item Description	Unit	Unit Cost	Quantity	Item Cost
1	Hot Mixed Asphalt (Type A)	Ton	\$ 110.00	1,261	\$ 138,710.00
2	Class 2 Aggregate Base	CY	\$ 100.00	453	\$ 45,300.00
3	Roadway Excavation	CY	\$ 75.00	1,790	\$ 134,250.00
4	Import Borrow	CY	\$ 25.00	7,001	\$ 175,025.00
5	Construct cast in place foundation (CONSPAN)	CY	\$ 1,000.00	301	\$ 301,000.00
6	Construct cast in place headwall (CONSPAN)	CY	\$ 1,400.00	137	\$ 191,800.00
7	Structural Concrete (CULVERT)	CY	\$ 1,000.00	59	\$ 58,938.00
8	Structure Excavation (CONSPAN)	CY	\$ 110.00	1,519	\$ 167,090.00
9	Structure Excavation (CULVERT)	CY	\$ 110.00	39	\$ 4,290.00
10	Structure Backfill (CONSPAN)	CY	\$ 120.00	639	\$ 76,680.00
11	48" RCP	LF	\$ 500.00	70	\$ 35,000.00
12	Removal of existing road (base and surfacing)	CY	\$ 50.00	1,075	\$ 53,750.00
13	Traffic Control (close road, set detour signs)	LS	\$ 45,000.00	1	\$ 45,000.00
14	Striping	LF	\$ 0.55	3,930	\$ 2,161.50
15	Pavement Markings	SF	\$ 40.00	53	\$ 2,120.00
16	Signing	EA	\$ 350.00	4	\$ 1,400.00
17	Reinforcing Steel for footings (CONSPAN)	LB	\$ 1.50	23,025	\$ 34,537.50
18	Reinforcing Steel (CULVERT)	LB	\$ 1.50	4,103	\$ 6,153.75
19	Utility Relocations	LS	\$ 75,000.00	1	\$ 75,000.00
20	Contech Components (CON/SPAN O-Series - 138 LF of 5'x25' spans)	LS	\$ 200,600.00	1	\$ 200,600.00
21	Utility Relocations (4 Sewer MHs, FH, SCE MH, 2 other MHs)	LS	\$ 75,000.00	1	\$ 75,000.00
22	Mobilization (10%)	LS	\$ 202,645.08	1	\$ 202,600.00
23	Subtotal Construction Costs				\$ 2,026,405.75
24	Contingencies (25%)	LS	\$ 506,601.44	1	\$ 506,600.00
	CE Cost (12%)	LS	\$ 253,300.72	1	\$ 253,300.00
	Total for Location "LM1"				\$ 2,786,000.00

LM1 – Little Morongo 3

Item No.	Item Description	Unit	Unit Cost	Quantity	Item Cost
1	Hot Mixed Asphalt (Type A)	Ton	\$ 110.00	818	\$ 89,980.00
2	Class 2 Aggregate Base	CY	\$ 100.00	294	\$ 29,400.00
3	Roadway Excavation	CY	\$ 75.00	522	\$ 39,150.00
4	Import Borrow	CY	\$ 25.00	7,028	\$ 175,700.00
5	Structural Concrete (RCB, parapet, cut-off wall, wingwalls)	CY	\$ 1,000.00	434	\$ 434,000.00
6	Structure Excavation	CY	\$ 110.00	668	\$ 73,480.00
7	Structure Backfill	CY	\$ 120.00	543	\$ 65,160.00
8	Removal of existing road (base and surfacing)	CY	\$ 50.00	698	\$ 34,900.00
9	Traffic Control (close road, set detour signs)	LS	\$ 50,000.00	1	\$ 50,000.00
10	Striping	LF	\$ 0.55	3,400	\$ 1,870.00
11	Reinforcing Steel (RCB, parapet, cut-off wall, wingwalls)	LB	\$ 1.50	51,353	\$ 77,030.00
12	Rip-Rap Slope Protection	CY	\$ 150.00	259	\$ 38,850.00
13	Relocate existing PP	LS	\$ 200,000.00	1	\$ 200,000.00
14	Mobilization	LS	\$ 145,502.22	1	\$ 145,500.00
15	Subtotal Construction Costs				\$ 1,335,640.00
	Contingencies (25%)	LS	\$ 333,910.00	1	\$ 333,900.00
	CE Cost (12%)	LS	\$ 166,955.00	1	\$ 167,000.00
	Total for Location "LM3"				\$ 1,837,000.00

TBP2 – Two Bunch Palms Trail -2

Item No.	Item Description	Unit	Unit Cost	Quantity	Item Cost
1	Hot Mixed Asphalt (Type A)	Ton	\$ 110.00	935	\$ 102,850.00
2	Class 2 Aggregate Base	CY	\$ 100.00	336	\$ 33,600.00
3	Roadway Excavation	CY	\$ 75.00	885	\$ 66,375.00
4	Import Borrow	CY	\$ 25.00	6,384	\$ 159,600.00
5	Construct cast in place foundation	CY	\$ 1,000.00	648	\$ 648,000.00
6	Construct cast in place headwall	CY	\$ 1,400.00	197	\$ 275,800.00
7	Structure Excavation	CY	\$ 110.00	1,493	\$ 164,230.00
8	Structure Backfill	CY	\$ 120.00	1,301	\$ 156,120.00
9	Removal of existing road (base and surfacing)	CY	\$ 50.00	798	\$ 39,900.00
10	Traffic Control (close road, set detour signs)	LS	\$ 45,000.00	1	\$ 45,000.00
11	Striping	LF	\$ 0.55	2,720	\$ 1,500.00
12	Signing (remove existing sign)	EA	\$ 200.00	1	\$ 200.00
13	Reinforcing Steel for footings	LB	\$ 1.50	49,713	\$ 74,600.00
14	Rip-Rap Slope Protection	CY	\$ 150.00	668	\$ 100,200.00
15	Contech Components (CON/SPAN O-Series - 300 LF of 5'x25' spans)	LS	\$ 385,300.00	1	\$ 385,300.00
16	Utility Relocations adjust Sewer MHs (2), protect all others	LS	\$ 50,000.00	1	\$ 50,000.00
17	Private Property improvements	LS	\$ 25,000.00	1	\$ 25,000.00
18	Right-of-Way (TCE)	LS	\$ 5,000.00	1	\$ 5,000.00
19	Mobilization (10%)	LS	\$ 259,252.78	1	\$ 259,300.00
	Subtotal Construction Costs				\$ 2,592,575.00
	Contigencies (25%)	LS	\$ 648,143.75	1	\$ 648,100.00
	CE Cost (12%)	LS	\$ 324,071.88	1	\$ 324,100.00
	Total for Location "TBP2"				\$ 3,565,000.00

RESOLUTION NO. ____

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF DESERT HOT SPRINGS, CALIFORNIA, SETTING FORTH ITS COMMITMENT TO USE FEDERAL GRANTS AND OTHER MONIES. IF AVAILABLE, TO IMPROVE INFRASTRUCTURE, INCLUDING BRIDGES AND OTHER CROSSINGS WITHIN THE CITY OF DESERT HOT SPRINGS

WHEREAS, the City is a charter city, duly organized under the laws of the State of California,

WHEREAS, it has come to the City's attention that federal funding, grants and other monies, either through the United State Department of Transportation or otherwise, may become available for local city use for priority local transportation projects; and

WHEREAS, the City does in fact have priority local transportation projects which would benefit the City as a whole; and

WHEREAS, such projects are titled "DHS Bridges Over Various Water Crossings Project", and consist of:

The construction of seven (7) new bridges over water crossings along Indian Canyon Drive, Dillon Road, Little Morongo Road, and Two Bunch Palms Trail, within the City of Desert Hot Springs; and

WHEREAS, DHS Bridges Over Various Water Crossings is estimated to cost \$19.9 Million; and

WHEREAS, DHS Bridges Over Various Water Crossings would benefit the City as follows:

The construction of these bridges over the low water crossings will direct the storm water flows under a major arterials, preventing flooding of roads and major road closures, which in effect will provide dependable accessibility within and out of the City to reach important destination such as hospitals and major freeways; and

WHEREAS, if the City were to receive any federal funding, grants or other monies for DHS Bridges Over Various Water Crossings Project, the City Council would in fact support the project, recognizing that it would be a priority project for the City, providing great infrastructure benefits to its residents and visitors; and

WHEREAS, this Resolution is in the best interest of the City and is a benefit to the public health, safety and welfare.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF DESERT HOT

SPRINGS DOES HEREBY RESOLVE AS FOLLOWS:

Section 1. Recitals.

That the Recitals set forth above are true and correct and are hereby incorporated herein by this reference.

Section 2. Finding and Support.

That the City Councils finds as follows:

THAT, DHS Bridges Over Various Water Crossings would benefit the City as follows:

The construction of these bridges over the low water crossings will direct the storm water flows under a major arterials, preventing flooding of roads and major road closures, which in effect will provide dependable accessibility within and out of the City to reach important destination such as hospitals and major freeways.

THAT, if the City were to receive any federal funding, grants or other monies for DHS Bridges Over Various Water Crossings Project, the City Council would in fact support the project, recognizing that it would be a priority project for the City, providing great infrastructure benefits to its residents and visitors.

Section 3. Certification.

That the City Clerk shall certify to the passage and adoption of this resolution, enter the same in

Section 4. Severability.

That if any provision, section, paragraph, sentence or word of this Resolution be rendered or declared invalid by any final court action in a court of competent jurisdiction or by reason of any preemptive legislation, the remaining provisions, sections, paragraphs, sentences or words of this Resolution as hereby adopted shall remain in full force and effect.

Section 5. Repeal of Conflicting Provisions.

That all the provisions heretofore adopted by the City Council that are in conflict with the provisions of this Resolution are hereby repealed.

Section 6. Effective Date.

That this Resolution shall take effect upon its adoption.

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PASSED AND ADOPTED by the City Council of the City of Desert Hot Springs at a regular meeting held on the ____ day of April 2021 by the following vote:

AYES, and in favor thereof, Council members:

NAYS, Council members:

ABSENT, Council members:

ABSTAINING, Council members:

ATTEST:

APPROVED:

Jerryl Soriano, City Clerk

Scott Matas, Mayor

APPROVED AS TO FORM:

Jennifer A. Mizrahi, City Attorney