

**SPECIAL MEETING AGENDA**  
**CHARTER TOWNSHIP OF PLYMOUTH**  
**BOARD OF TRUSTEES**  
Thursday, April 30, 2015, 7:00 PM



**A. CALL TO ORDER** at \_\_\_\_\_ P.M.

**B. PLEDGE OF ALLEGIANCE TO THE FLAG**

**C. ROLL CALL:** Arnold \_\_\_\_\_, Conzelman \_\_\_\_\_, Curmi \_\_\_\_\_, Doroshewitz \_\_\_\_\_, Edwards \_\_\_\_\_, Kelly \_\_\_\_\_, Price \_\_\_\_\_

**D. APPROVAL OF AGENDA** - Special Meeting – Thursday, April 30, 2015

**E. PUBLIC COMMENT**

**F. NEW BUSINESS**

- F.1. Request for Board Action – Sprayscape Safety Surface Replacement**
- F.2. Request for Board Action - Township Park North Parking Lot Reconstruction**
- F.3. Request for Board Action – Intergovernmental Agreement with Wayne County for Reconstruction of Beck Rd.**
- F.4. Request for Board Action – Set Public Hearing Date for Industrial Facilities Exemption Certificate – Federal Mogul**

**G. CLOSED SESSION**

At \_\_\_\_\_ p.m., \_\_\_\_\_ moved that a closed session be called for the permissible purpose of discussing union contract negotiations under OMA Section 8(c). Seconded by \_\_\_\_\_

Arnold\_\_ Conzelman\_\_ Curmi\_\_ Doroshewitz\_\_ Edwards\_\_ Kelly\_\_ Price\_\_ At \_\_\_\_\_ p.m., \_\_\_\_\_ moved to return to open session.

Seconded by \_\_\_\_\_ Arnold\_\_ Conzelman\_\_ Curmi\_\_ Doroshewitz\_\_ Edwards\_\_ Kelly\_\_ Price\_\_

**H. PUBLIC COMMENTS**

**I. TRUSTEE COMMENTS**

**J. ADJOURNMENT**

**PLEASE TAKE NOTE:** The Charter Township of Plymouth will provide necessary reasonable auxiliary aids and services, such as signers for the hearing impaired and audio tapes of printed materials being considered at all Township Meetings, to individuals with disabilities at the Meetings/Hearings upon two weeks notice to the Charter Township of Plymouth by writing or calling the following: Human Resource Office, 9955 N Haggerty Road, Plymouth, MI 48170. Phone number (734) 354-3202 TDD units: 1-800-649-3777 (Michigan Relay Services)

**CHARTER TOWNSHIP OF PLYMOUTH  
STAFF REQUEST FOR BOARD ACTION**

**Meeting date: 04/30/15**

**ITEM: Sprayscape Safety Surface Replacement**

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**BRIEF:**

**ACTION:** Replacement of Sprayscape Safety Surface

**DEPARTMENT/PRESENTER(S):** Ron Edwards, Treasurer

**BACKGROUND:** The SprayScape safety surface was removed after six seasons this past fall and winter. MMRMA had recommended back in 2008 that the surface be used for 5 seasons. Request for quotations have been sent to eight different companies. The results will be brought to the Board on Thursday night with the recommendation.

**BUDGET/TIME LINE:** Park Budget/Replace Prior to Spring Start-Up

**RECOMMENDATION:** Approve

<p><b>PROPOSED MOTION:</b> I move to accept the quote from _____ to remove and replace the safety surface for a total cost of \$ _____</p>
--

**RECOMMENDATION:**

Moved by: \_\_\_\_\_

Seconded by: \_\_\_\_\_

**VOTE:** \_\_ KA \_\_ NC \_\_ CC \_\_ RD \_\_ RE \_\_ MK \_\_ SP

**MOTION CARRIED** \_\_\_\_\_

**MOTION DEFEATED** \_\_\_\_\_

**CHARTER TOWNSHIP OF PLYMOUTH  
STAFF REQUEST FOR BOARD ACTION**

**Meeting Date: April 30, 2015**

**ITEM: Bid Award for the Township Park North Parking Lot Re-construction.**

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**ACTION:** To award the bid for the Township Park North Parking Lot Re-construction.

**DEPARTMENT/PRESENTER(S):** David E. Richmond, P.E., Spalding DeDecker Associates

**BACKGROUND:** Township solicited bids for the reconstruction of the north parking lot at the Township Park which services the baseball fields. The existing asphalt parking lot is approximately 20 years old and has outlived its useful life span and has had areas of failure that have required repair and other areas beginning to fail. Plans were prepared to re-construct the parking lot adding 109 spaces to provide additional parking with a new walk along the west side of the ball fields, access walk to the new pavilion and new storm drainage.

A total of 17 bids were received on April 17, 2015. The bids were submitted in either asphalt pavement or concrete pavement. The as-read low bidder for concrete pavement was Merlo Construction. A committee of Treasurer Ron Edwards, Building Official Mark Lewis, DPW Foreman Mike Karll and Township Engineer Spalding DeDecker interviewed Merlo Construction. Based on the interview and their demonstrated work on projects of this size and character, the recommendation is to award the project to Merlo Construction.

**BUDGET/TIME LINE:** \$712,130.25

**RECOMMENDATION:** Approval

<b>PROPOSED MOTION: I move to award the Items 1 and 2 of the bid for the Township Park North Parking Lot Re-construction to Merlo Construction.</b>
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**RECOMMENDATION:** Moved by: \_\_\_\_\_ Seconded by: \_\_\_\_\_

**VOTE:** \_\_\_ SP \_\_\_ RE \_\_\_ NC \_\_\_ KA \_\_\_ CC \_\_\_ RD \_\_\_ MK

**MOTION CARRIED** \_\_\_\_\_

**MOTION DEFEATED** \_\_\_\_\_

April 28, 2015

Mr. Shannon Price, Township Supervisor  
Plymouth Township  
9955 N. Haggerty Rd.  
Plymouth, Michigan 48170

Re: **Recommendation for Award**  
Township Park North Parking Lot  
SDA Project No.: PL15-000

Dear Mr. Price:

On April 18, 2015 at 2:00 p.m., construction bids were opened and publicly read at the Plymouth Township Hall for the Plymouth Township Park North Parking Lot. The project includes removing the existing asphalt parking lot, re-configuring the parking lot, installing new pavement and storm sewer, pavement under drains, drainage along the eastern edge of the parking to alleviate excessive ground water, walks along the western side of the baseball fields and ADA compliant access to the new pavilion.

The bids were advertised to allow the contractors to bid either concrete pavement or asphalt pavement in order compare price and longevity between the materials. The asphalt pavement section was specified as 4" of Hot Mix Asphalt (HMA) on 6" of compacted aggregate base material which equates to pavement structural number (Sn) of 2.4. The Concrete pavement sections was specified as 6" fiber reinforced concrete on 6" compacted aggregate base material which equates to a Sn value of 4.

Asphalt pavement, in general, is considered to have a design life span of 15 – 20 years before major improvements will need to take place, which typically corresponds to remove and replace. Asphalt pavement will require periodic maintenance, including crack sealing and sealing. Concrete pavement has a typical life expectancy of 30 to 40 years before major repairs will be needed with minimal maintenance required.

The American Concrete Institute (ACI) recommends that a concrete pavement having a 20 year design life, with similar soil conditions as at the park, would be 5 inches of non-reinforced concrete placed on 4" of compacted aggregate base material. The concrete pavement section for this project exceeds those specifications and therefore, we would expect a pavement life expectancy of 30 - 40 years.

The City Clerk's office received seventeen (17) sealed bids for this project, with each bidder considered to be responsive having submitted a bid compliant with all requirements. The apparent low bidders were Best Asphalt Inc, for asphalt pavement and Merlo Construction for concrete pavement. Based on the information above and the submitted bid amounts, we would recommend using concrete pavement for parking lot. This recommendation is based on the expected service life of the pavement and the cost differential.



Following the bid opening, Spalding DeDecker reviewed all of the bids received, verified the calculations, and prepared the bid tabulation for the project (attached). Based on a review of all the bids and considering the pavement designs and life expectancies, Spalding DeDecker recommends Merlo Construction be awarded the bid to re-construct the Township Park North Parking Lot project.

Upon award by the Township Board, our office will coordinate the completion of the Contract Agreement, Bonds, and Insurance information with Merlo Construction, and prepare the Notice to Proceed upon execution of the contract documents.

Very Truly Yours,  
**SPALDING DEDECKER**

A handwritten signature in black ink, appearing to read 'D. E. Richmond', written over the printed name.

David E. Richmond, PE  
Project Manager

Encl: Bid Tabulation

# Parking Area Thickness Design Worksheet

- Step 1:** Determine concrete compressive strength requirement. For all concrete exposed to freeze-thaw cycling and de-icers, use no less than 3500 psi. 4000 psi is recommended. (This may be specified in the plan documents)
- Step 2:** Determine modulus of subgrade reactivity, k. Use guidelines below.
- Step 3:** Determine traffic categories (car parking area, entrances, etc.)
- Step 4:** Determine average daily truck traffic (ADTT) on the pavement. It is safe to always assume at least one ADTT.
- Step 5:** Read across row that corresponds to your traffic category and ADTT to column that represents your concrete strength and k value.

## Modulus of subgrade reactivity (k)

Type of subgrade Soil	k Value	CBR
Silt & Clay soils	75	2.5
	to	to
	120	3.5
Sand-Gravel soils with moderate amounts of silt & clay	130	4.5
	to	to
	170	7.5
Sandy soils	180	8.5
	to	to
	220	12

## Traffic Categories

Car parking areas & access lanes (autos, pickups & panel trucks only)		A	
Truck access lanes		A-1	
Shopping center entrance & service lanes		B	
Bus parking areas, city & school buses	Parking & interior lanes	B	
	Entrance & interior lanes	C	
Truck parking areas	Single Units	Parking & interior lanes	B
		Entrance & interior lanes	C
	Multiple Units	Parking & interior lanes	C
		Entrance & interior lanes	D

## 20-year design thickness recommendations, inches (no dowels) Based upon Design Guidelines in ACI 330 ~ adapted for MI applications

Traffic Category	k = 200 psi/in (CBR = 10)			k = 100 psi/in (CBR = 3)		
	f <sub>c</sub>			f <sub>c</sub>		
Daily Truck Traffic	4500	4000	3500	4500	4000	3500
A-1 (ADTT = 1)	4.0	4.5	4.5	4.5	4.5	5.0
A-1 (ADTT = 10)	5.0	5.5	5.5	5.5	6.0	6.0
B (ADTT = 25)	5.0	5.5	6.0	5.5	6.0	6.5
B (ADTT = 300)	5.5	6.0	6.5	6.0	6.5	7.0
C (ADTT = 100)	5.5	6.0	6.5	6.0	6.5	7.0
C (ADTT = 300)	6.0	6.5	7.0	6.5	7.0	7.5
C (ADTT = 700)	6.0	6.5	7.0	6.5	7.0	7.5
D (ADTT = 700)	7.0	7.0	7.0	8.0	8.0	8.0

ADTT = Average Daily Truck Traffic. Trucks are defined as vehicles with at least six wheels, excludes panel trucks, pickup trucks and other four wheel vehicles.  
 f<sub>c</sub> = compressive strength (of concrete)  
 k value = a measure of soil strength (modulus of subgrade reactivity)  
 CBR (California Bearing Ratio) = a measure of subgrade resistance to deformation under load

### Example 1: Car parking area truck access lane

- Soil is sandy gravel with a fair amount of clay; k value 130 therefore use k = 100
- Under area k = 100 read across row with traffic category A-1 (ADTT = 1) to column under f<sub>c</sub> = 4000
- Traffic category A-1 (ADTT = 1)
- Specified Concrete Strength of 4000 psi
- Thickness necessary for this situation = 4.5 inches of concrete

### Example 2: Single Unit Truck Parking areas

- Soil is sandy gravel minimal clay and silt; k value 170 therefore use k = 200
- Under area k = 200 read across row with traffic category C (ADTT = 100) to column under f<sub>c</sub> = 4500
- Traffic category C (ADTT = 100)
- Specified Concrete Strength of 4500 psi
- Thickness necessary for this situation = 5.5 inches of concrete

BID TABULATION - TOWNSHIP PARK NORTH PARKING LOT -CONCRETE								PL15004
Plymouth Twp								By: BLA
8 Bids received								Reviewed: TER
BID ITEM	Merlo Construction	Davenport Bros. Const.	Fessler & Bowman	Fiore Enterprises, LLC	Lake Michigan Site Develop.	Warren Contractors & Development	Hartwell Cement Company	Major Cement Co.
	BID AMOUNT (\$)	BID AMOUNT (\$)	BID AMOUNT (\$)	BID AMOUNT (\$)	BID AMOUNT (\$)	BID AMOUNT (\$)	BID AMOUNT (\$)	BID AMOUNT (\$)
1	\$ 54,835.00	\$ 57,127.00	\$ 70,472.50	\$ 62,975.00	\$ 75,312.25	\$ 59,858.75	\$ 60,279.59	\$ 76,547.50
2	\$ 657,295.25	\$ 759,019.00	\$ 817,139.80	\$ 869,871.40	\$ 858,090.35	\$ 874,064.25	\$ 891,578.05	\$ 892,451.50
<b>AS-READ BID TOTAL ITEMS 1 &amp; 2</b>	<b>\$ 712,130.25</b>	<b>\$ 816,146.00</b>	<b>\$ 887,612.30</b>	<b>\$ 932,846.40</b>	<b>\$ 933,402.60</b>	<b>\$ 933,923.00</b>	<b>\$ 951,857.64</b>	<b>\$ 968,999.00</b>
ALTERNATE 1	\$ 28,692.75	\$ 17,145.00	\$ 17,739.75	\$ 17,768.00	\$ 16,305.00	\$ 14,435.00	\$ 18,153.75	\$ 25,375.00
<b>TOTAL ITEMS 1, 2 &amp; ALT. 1</b>	<b>\$ 740,823.00</b>	<b>\$ 833,291.00</b>	<b>\$ 905,352.05</b>	<b>\$ 950,614.40</b>	<b>\$ 949,707.60</b>	<b>\$ 948,358.00</b>	<b>\$ 970,011.39</b>	<b>\$ 994,374.00</b>

BID TABULATION - TOWNSHIP PARK NORTH PARKING LOT -ASPHALT								Project No. PL15004	
Plymouth Twp								By: BLA	
9 Bids received								Reviewed: TER	
BID ITEM	Best Asphalt, Inc.	Nagle Paving Company	Pro-Line Asphalt	Lake Michigan Site Develop.	Pavex Corporation	Warren Contractors & Paving	JSS-Macomb, LLC	Cadillac Asphalt	Asphalt Specialsts, Inc.
	BID AMOUNT (\$)	BID AMOUNT (\$)	BID AMOUNT (\$)	BID AMOUNT (\$)	BID AMOUNT (\$)	BID AMOUNT (\$)	BID AMOUNT (\$)	BID AMOUNT (\$)	BID AMOUNT (\$)
1	\$ 50,160.00	\$ 49,377.00	\$ 64,033.71	\$ 58,771.00	\$ 101,207.07	\$ 61,530.75	\$ 68,042.00	\$ 65,146.55	\$ 69,695.00
2	\$ 539,408.00	\$ 557,981.70	\$ 544,861.88	\$ 596,459.85	\$ 605,585.73	\$ 647,958.25	\$ 666,528.96	\$ 703,013.45	\$ 701,397.55
<b>AS-READ BID TOTAL ITEMS 1 &amp; 2</b>	<b>\$ 589,568.00</b>	<b>\$ 607,358.70</b>	<b>\$ 608,895.59</b>	<b>\$ 655,230.85</b>	<b>\$ 706,792.80</b>	<b>\$ 709,489.00</b>	<b>\$ 734,570.96</b>	<b>\$ 768,160.00</b>	<b>\$ 771,092.55</b>
ALTERNATE 1	\$ 20,205.00	\$ 20,135.00	\$ 18,951.25	\$ 16,305.00	\$ 20,839.61	\$ 14,435.00	\$ 24,900.75	\$ 13,650.00	\$ 19,516.25
<b>TOTAL ITEMS 1, 2 &amp; ALT. 1</b>	<b>\$ 609,773.00</b>	<b>\$ 627,493.70</b>	<b>\$ 627,846.84</b>	<b>\$ 671,535.85</b>	<b>\$ 727,632.41</b>	<b>\$ 723,924.00</b>	<b>\$ 759,471.71</b>	<b>\$ 781,810.00</b>	<b>\$ 790,608.80</b>



**CHARTER TOWNSHIP OF PLYMOUTH  
STAFF REQUEST FOR BOARD ACTION**

**Meeting Date:** April 30, 2015

**ITEM:**           **Intergovernmental Agreement with Wayne County for Beck Road  
Reconstruction**

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**ACTION:**       Consider proposal from Wayne County to move an existing water main and install a new sidewalk along Beck Rd in conjunction with the widening of Beck Rd. from Ann Arbor Trail to Warren. .

**DEPARTMENT/PRESENTER(S):**     Patrick J. Fellrath, P.E., Director of Public Utilities

**BACKGROUND:**

**BUDGET/TIME LINE:**

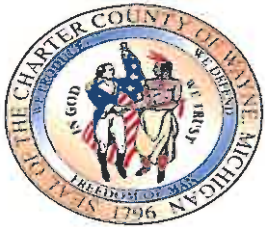
**RECOMMENDATION:**   Approve

**PROPOSED MOTION:**

**I move to approve Intergovernmental Agreement between Wayne County, Canton Township and Plymouth Township for reconstruction of Beck Rd., from Warren to Ann Arbor Trail and authorize the Supervisor to complete and sign the Agreement and Resolution.**

**RECOMMENDATION**       Moved by: \_\_\_\_\_    Seconded by: \_\_\_\_\_

**VOTE:**    \_\_\_\_\_ SP   \_\_\_\_\_ NC   \_\_\_\_\_ RE   \_\_\_\_\_ KA   \_\_\_\_\_ MK   \_\_\_\_\_ CC   \_\_\_\_\_ RD



**WARREN C. EVANS**  
COUNTY EXECUTIVE

April 15, 2015

Nancy Conzelman, Township Clerk  
Plymouth Township  
9955 N. Haggerty Road  
Plymouth Township, MI 48170

RE: Intergovernmental Agreement between  
Wayne County, Canton Township and Plymouth Township  
for reconstruction of Beck Rd. from Warren to Ann Arbor Trail  
Work Order No. 46973

Dear Ms. Conzelman:

Enclosed please find the proposed intergovernmental agreement between Wayne County, Canton Township and Plymouth Township for reconstruction of Beck Road from Warren to Ann Arbor Trail. Please review, and if satisfactory, please ask the Supervisor to sign three copies, and return along with your certification of the Township Board's official action approving of the agreement.

Please don't hesitate to call me at 313-224-0941 if I may answer any questions.

Very truly yours,

Nancy M. Rade  
Assistant Corporation Counsel  
@WCDPS  
400 Monroe, 3<sup>rd</sup> Floor  
Detroit, MI 48226  
313-224-0941

Attachments

C: Ronald Agacinski, Director, Engineering Division, WCDPS  
Terry Bennett, Clerk, Canton Township

**DEPARTMENT OF CORPORATION COUNSEL  
500 GRISWOLD, 12<sup>TH</sup> FLOOR  
DETROIT, MICHIGAN 48226**



**WARREN C. EVANS**  
COUNTY EXECUTIVE

April 15, 2015

Terry Bennett, Township Clerk  
Canton Township  
1150 S. Canton Center Road  
Canton, MI 48188

RE: Intergovernmental Agreement between  
Wayne County, Canton Township and Plymouth Township  
for reconstruction of Beck Rd. from Warren to Ann Arbor Trail  
Work Order No. 46973

Dear Ms. Bennett:

Enclosed please find the proposed intergovernmental agreement between Wayne County, Canton Township and Plymouth Township for reconstruction of Beck Road from Warren to Ann Arbor Trail. Please review, and if satisfactory, please ask the Supervisor to sign three copies, and return along with your certification of the Township Board's official action approving of the agreement.

Please don't hesitate to call me at 313-224-0941 if I may answer any questions.

Very truly yours,

Nancy M. Rade  
Assistant Corporation Counsel  
@WCDPS  
400 Monroe, 3<sup>rd</sup> Floor  
Detroit, MI 48226  
313-224-0941

Attachments

C: Ronald Agacinski, Director, Engineering Division, WCDPS  
Nancy Conzelman, Clerk, Plymouth Township

**DEPARTMENT OF CORPORATION COUNSEL  
500 GRISWOLD, 12<sup>TH</sup> FLOOR  
DETROIT, MICHIGAN 48226**

**INTERGOVERNMENTAL AGREEMENT**

**between**

**THE COUNTY OF WAYNE**

**a n d**

**CANTON TOWNSHIP**

**and**

**PLYMOUTH TOWNSHIP**

**for the reconstruction of**

**Beck Road**

**from**

**Warren to Ann Arbor Trail**

**Wayne County Work Order No. 46950**

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**THIS AGREEMENT**, between the County of Wayne, Michigan, a public body corporate and Charter county, (hereinafter, the “COUNTY”) and Canton Township and Plymouth Township, Michigan municipal corporations and Charter townships, (hereafter referred to as the “TOWNSHIPS”).

This Agreement is made for the purpose of fixing the rights and obligations of the parties with the respect to the following improvements on Beck Road, a county road located in the TOWNSHIPS hereinafter referred to as the “Project”:

**PROJECT**

PART A: FEDERAL PARTICIPATING ROAD:

Reconstruction work along Beck Road from Warren to Ann Arbor Trail; including concrete pavement, cold milling, hot mix asphalt paving, storm sewer, culvert, ADA sidewalk ramps, guardrail, sign and pavement markings; and all together with necessary related work.

PART B: NON FEDERAL PARTICIPATING:

Sidewalk construction; and all together with necessary related work.  
(Canton Township 43%, Plymouth Township 57%)

**WHEREAS**, Beck Road is a road under the jurisdiction and control of the COUNTY, and is located within the TOWNSHIPS; and

**WHEREAS**, Act 51 of the Public Acts of 1951, as amended, authorizes counties to enter into contracts to perform work on any highway, road, or street within the limits of a county or adjacent thereto, and provides for the joint participation in the cost thereof; and

**WHEREAS**, the Project will significantly enhance the road system for the citizens of the COUNTY and the TOWNSHIPS; and

**WHEREAS**, the COUNTY has been approved for federal assistance that is administered by

the Michigan Department of Transportation (MDOT) and the local share of the Project Costs represent the non-federally funded portion of the Project; and

**WHEREAS**, the parties hereto have reached an understanding with each other regarding the performance of the Project and desire to set forth this understanding in the form of a written Agreement.

**NOW THEREFORE**, in consideration of the mutual understandings of the parties and in conformity with applicable law, it is agreed:

**ARTICLE 1  
DEFINITIONS**

Wherever used in this Agreement, the following terms shall have the meanings indicated which shall be applicable to both the singular and plural thereof:

- 1.1 **AGREEMENT** - The written contract between COUNTY and the TOWNSHIPS regarding the Project.
- 1.2 **AS-BUILTS (AS-BUILT DRAWINGS)** - Reproducible Project construction drawings revised to show significant changes made during the construction process; usually based on marked-up prints, drawings and other data.
- 1.3 **BID** - The offer or proposal of the Bidder submitted on the prescribed form setting forth the prices for the Project.
- 1.4 **BIDDER** - Any person, firm or corporation submitting a Bid for the Project.
- 1.5 **BIDDING DOCUMENTS** - The advertisement and invitation to Bid, including approved plans, specifications, addendum, and other documents issued on which the Bid is based.
- 1.6 **BONDS** - Bid, Performance and Payment Bonds and other instruments of security, furnished by the Contractor.
- 1.7 **CHANGE ORDER** - The written order of the COUNTY, or its duly authorized representative, for changes in or extras to a contract.
- 1.8 **CONSTRUCTION ENGINEERING** - All services necessary to adequately assure

that the Project is being constructed in substantial conformance with the as Bid plans and specifications, together with any changes, extras, amendments, addendum, and/or bulletins. Services include, but are not limited to, contract administration, construction staking, construction inspection and/or consultant services. Costs include, but are not limited to, direct labor, equipment, and materials plus current COUNTY charges for the overhead, fringes and benefits.

- 1.9 CONSTRUCTION WORK - All work performed to construct the Project in substantial conformance with the as Bid plans and specifications, together with any changes, extras, amendments, addendum, and/or bulletins. Work is to be performed by the responsive qualified low Bidder together with approved subcontractors, COUNTY forces, and/or the third parties that have a relevant interest in the Project. Costs include, but are not limited to, unit prices extended for actual quantities completed, lump sum work, force account work that includes, but is not limited to, direct labor, equipment, materials plus current COUNTY charges for costs directly associated with the Project construction.
- 1.10 ENGINEER - The Director of Engineering/County Highway Engineer for Wayne County or his duly appointed representative who is responsible for engineering supervision of preliminary engineering, construction engineering and/or quality control testing aspects of the Project.
- 1.11 ENGINEER'S ESTIMATE - The approximated cost of construction work based on plan quantities of Construction Work items defined in the Project plans and specifications.
- 1.12 FORCE ACCOUNT WORK - All cost for any improvement to, or new construction of, traffic control devices, by the COUNTY. Costs include, but are not limited to, direct labor, equipment and materials plus current COUNTY charges for overhead, fringes and benefits.
- 1.13 PRELIMINARY ENGINEERING - All services necessary to adequately prepare plans and specifications for the Project, together with any changes, extras, amendments, addendum, and/or bulletins. Preliminary Engineering services may include, but are not limited to, surveys, soil investigations, design, drafting, reviews, permits, and/or consultant services. Costs include, but are not limited to, direct labor, equipment, and materials plus current COUNTY charges for overhead, fringes and benefits.
- 1.14 PROJECT COSTS - See Article 2.
- 1.15 QUALITY CONTROL TESTING - All services necessary to adequately assure that the Project materials are being supplied and/or installed in substantial conformance



with the as Bid plans and specifications, together with any changes, extras, amendments, addendum, and/or bulletins. Services include, but are not limited to, sampling onsite, sampling at the source, onsite testing, laboratory testing and/or consultant services. Costs include, but are not limited to, direct labor, equipment, and materials together with the current appropriate COUNTY charges for overhead, fringes and benefits.

- 1.16 WORKING CAPITAL ADVANCE - A non-interest bearing deposit by the TOWNSHIPS with the COUNTY, which will be used by the COUNTY for Project Costs.

**ARTICLE 2  
PROJECT COSTS**

- 2.1 As herein used, the term “Project Costs”, shall include, but not be limited to, the cost of the Construction Work, Construction Engineering, Quality Control Testing, traffic signal Force Account Work (if required) and/or other miscellaneous work together with any costs associated with changes, Change Orders, extras, amendments, addenda, and/or bulletins.
- 2.2 The parties acknowledge that the construction Bids are subject to Change Orders and that the TOWNSHIPS will be billed accordingly.
- 2.3 The necessity of securing any easements and/or right-of-ways will be part of another separate agreement.

**ARTICLE 3  
WAYNE COUNTY’S RESPONSIBILITIES**

- 3.1 The COUNTY shall perform all Preliminary Engineering.
- 3.2 The COUNTY shall arrange with MDOT for the contract bidding, award of the contract and administer the contract.
- 3.3 The COUNTY shall perform all Construction Engineering.

- 3.4 The COUNTY shall perform the Quality Control Testing of all materials to be incorporated into the Project.
- 3.5 The County shall appoint an Engineer for the Construction Work for the Project.
- 3.6 The COUNTY shall keep accurate records and accounts of the Project Costs that shall be accessible for inspection and audit by a representative of the TOWNSHIPS.

**ARTICLE 4  
TOWNSHIPS'S RESPONSIBILITIES**

- 4.1 The TOWNSHIPS shall provide all information for their utilities (i.e., As-Builts) and perform exposures of those utilities at their cost when required by the Engineer.
- 4.2 The TOWNSHIPS will be solely responsible for the removal and relocation, as required for the Project, of any of its municipal utilities located within the Roadway right-of-way throughout the limits of the Project and shall cause such removal and relocation immediately upon notification by the COUNTY.

**ARTICLE 5  
COST SHARING**

- 5.1 The COUNTY shall pay 100% of the Preliminary Engineering for the participating Construction Work.
- 5.2 The parties hereto acknowledge that the current estimated Project Costs are \$7,327,346.
- 5.3 The parties hereto acknowledge that Part A Project Costs are partially funded by federal aid up to 80% and that the balance of the Project Costs will be funded by the local share of 20%. Part B Project Costs are not federal aid eligible and will be

funded 100 % local funding.

- 5.4 The COUNTY shall pay for Part A: 1) 100% of the local share of the Construction Work cost, 2) 100% of the local share of Construction Engineering and Quality Control Testing cost up to 15% of the total contracted price, and for that portion of the local share that exceeds 15% of the total contracted price then the County shall pay 50% of the local share of any Construction Engineering and quality control testing, as set forth in Exhibit A, which is based on the estimated Project Costs. The COUNTY shall pay for Part B: 0% of the Project costs.
- 5.5 The TOWNSHIPS shall pay for Part A: 1) 0% of the local share of the Construction Work cost, 2) 0% of the local share of Construction Engineering and Quality Control Testing cost up to 15% of the total contracted price, and for that portion of the local share that exceeds 15% of the total contracted price then the TOWNSHIPS shall pay 30.53% of the local share of any Construction Engineering and quality control testing, as set forth in Exhibit A, which is based on the estimated Project Costs. For Part B, Canton Township shall pay 43% of the Project Costs and Plymouth Township shall pay 57% of the Project Costs.
- 5.6 The parties hereto acknowledge that the Bid for the construction costs may exceed the estimated project construction costs as set forth in this Agreement, and the parties hereto agree to pay their respective portions of the actual Project Costs.
- 5.7 The parties hereto acknowledge that during construction Change Orders may be issued which will affect the final costs. The parties hereto agree to accept the judgment of the Engineer as final.

**ARTICLE 6  
PAYMENT TERMS**

- 6.1 The TOWNSHIPS shall make payments to the COUNTY in accordance with the schedule of payments contained in Exhibit B.
- 6.2 The TOWNSHIPS shall make payment of the invoice(s) within thirty (30) days of receipt of the invoice(s).
- 6.3 The final project costs will be used to adjust the monetary value of each TOWNSHIPS' actual share of the Project Costs for the Project.
- 6.4 Upon execution of this Agreement by the TOWNSHIPS, Canton Township will provide a Working Capital Advance to the County of Wayne in the amount of \$ 25,096 as fifty percent (50%) of its estimated participation, and Plymouth Township will provide a Working Capital Advance to the County of Wayne in the amount of \$ 33,267 as fifty percent (50%) of its participation, as found in Exhibit A to this Agreement of Part B Project Costs.

**ARTICLE 7  
WAIVER**

- 7.1 The TOWNSHIPS further agrees that no provision in this Agreement constitutes or acts as a waiver of any governmental immunity the County, its agencies, officers, employees, agents or elected officials enjoy under applicable statutory or common law.

**ARTICLE 8  
FORCE MAJEURE**

- 8.1 It is mutually understood and agreed that neither of the parties hereto shall be held

responsible for damages occasioned by delay or failure to perform where due to fire, strike, flood, acts of God, unavailability of labor, material, legal acts of public authorities, or delays caused by public carriers or third person (including contractors or subcontractors) which cannot reasonably be foreseen or provided against.

**ARTICLE 9  
HOLD HARMLESS**

- 9.1 Each party to this Agreement shall remain responsible for any claims arising out of its' own acts and/or omissions during the performance of this Agreement, as provided by law.
- 9.2 This Agreement is not intended to increase either party's liability for, or immunity from, tort claims.
- 9.3 This Agreement is not intended nor shall it be interpreted as giving either party hereto a right of indemnification, either by Agreement or at law, for claims arising out of the performance of this Agreement.

**ARTICLE 10  
NOTICE**

- 10.1 Notification regarding anything in connection with this Agreement shall be sent in writing via first class mail to:

For the COUNTY  
Director of Engineering/County Highway Engineer  
Wayne County Department of Public Services  
400 Monroe Street, 3<sup>rd</sup> Floor  
Detroit, MI 48226  
and

Director of Administration  
Wayne County Department of Public Services  
400 Monroe Street, 3rd Floor  
Detroit, MI 48226

For the Canton Township  
Township Supervisor  
Charter Township of Canton  
1150 S Canton Center Road  
Canton, MI 48188

And

For Plymouth Township  
Township Supervisor  
Charter Township of Plymouth  
9955 N. Haggerty Road  
Plymouth, MI 48170

- 10.2 Exhibits may be revised by the mutual agreement of the parties as designated in Section 12.1.

## **ARTICLE 11 TERMINATION**

- 11.1 The COUNTY may terminate this Agreement without cause at any time, without incurring any liability.
- 11.2 The TOWNSHIPS may terminate this Agreement without cause at any time, without incurring any liability not set forth in this Article 13, by giving written notice to the COUNTY of the termination. The notice must specify the effective date of termination at least 30 days prior to its occurrence, and this Agreement will terminate

as if the date specified were the date originally given for the expiration of this Agreement. Termination of this Agreement by the TOWNSHIPS will not relieve the TOWNSHIPS of its share of the Project Costs incurred up to the date of termination of the Agreement.

11.3 The COUNTY may terminate this Agreement because of failure on the TOWNSHIPS'S part to make payment in accordance with Exhibit B, the project calendar of this Agreement.

11.4 Regardless of the cause for the termination of this Agreement, each party will assist the other in the orderly termination of this Agreement and will participate, in good faith, in all transfers connected with termination, whether of tangibles or intangibles, as will be necessary for the unimpeded continuation of each party's business.

## **ARTICLE 12 BINDING EFFECT/INTEGRATION**

12.1 This Agreement, including the Exhibits hereto embodies the entire Agreement and understanding among the parties hereto and supersedes all prior agreements and understandings related to the subject matter thereof. No rights or remedies are or will be acquired by either party, orally, through implication or otherwise, unless set forth herein.

12.2 This Agreement may be executed in counterparts, each of which will be deemed an original but all of which together will constitute one agreement.

12.3 This Agreement is effective only upon approval of the Charter County of Wayne and each of the Townships as evidenced by the attached Resolutions adopted by the

Canton Township and Plymouth Township Boards` of Trustees, and the Wayne  
County Commission.

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]



IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed the day and year written below.

**FOR THE COUNTY OF WAYNE**

**By:** \_\_\_\_\_  
**Warren C. Evans**  
**Its: Chief Executive Officer**  
**Date:** \_\_\_\_\_

**FOR CANTON TOWNSHIP**

**By:** \_\_\_\_\_  
**Phil LaJoy**  
**Its: Supervisor**  
**Date:** \_\_\_\_\_

**FOR PLYMOUTH TOWNSHIP**

**By:** \_\_\_\_\_  
**Its: Supervisor**  
**Date:** \_\_\_\_\_

Approved to form:

**By:** \_\_\_\_\_  
**Nancy M. Rade**  
**Assistant Corporation Counsel**  
**Wayne County**

Resolution #

Motion by \_\_\_\_\_, Support by \_\_\_\_\_, that

**Whereas**, the Canton Township believes quality roads are a vital part of any community, and

**Whereas**, certain improvements are necessary to Beck Road to increase traffic safety and to encourage economic development, and

**Whereas**, the Canton Township has committed to the reconstruction of the road in an area generally described as Beck Road from Warren to Ann Arbor Trail and that Canton Township will assist financially in the reconstruction of the road within its TOWNSHIP limits, and

**Whereas**, the Canton Township will provide payment to the County of Wayne in the estimated amount of \$50,192 (which will be adjusted to reflect actual costs), as Canton Township's participation of Project Costs; and

**Whereas**, upon execution of this Agreement by the TOWNSHIP, the Canton Township will provide a Working Capital Advance to the County of Wayne in the amount of \$ 25,096 as fifty percent (50%) of Canton Township's participation (as found in Exhibit A to this Agreement) of Project Cost; and

**Now, therefore be it resolved**, that the Charter Township of Canton board of Trustees does hereby approve the proposed Agreement between the Canton Township and the County of Wayne for the reconstruction of Beck Road from Warren to Ann Arbor Trail, and

**Be it further resolved**, that the Supervisor and Clerk are authorized to execute the Agreement on behalf of the Charter Township of Canton.

YEAS:

NAYS:

ABSENT:

ABSTAIN:

I hereby certify that the foregoing is a true and correct copy of a resolution adopted by the board of supervisors of the Charter Township of Canton, County of Wayne, Michigan, at a meeting held on

\_\_\_\_\_.

Resolution #

Motion by \_\_\_\_\_, Support by \_\_\_\_\_, that

**Whereas**, the Plymouth Township believes quality roads are a vital part of any community, and

**Whereas**, certain improvements are necessary to Beck Road to increase traffic safety and to encourage economic development, and

**Whereas**, the Plymouth Township has committed to the reconstruction of the road in an area generally described as Beck Road from Warren to Ann Arbor Trail and that Plymouth Township will assist financially in the reconstruction of the road within its limits, and

**Whereas**, the Plymouth Township will provide payment to the County of Wayne in the estimated amount of \$66,533 (which will be adjusted to reflect actual costs), as Plymouth Township's participation of Project Costs; and

**Whereas**, upon execution of this Agreement by the TOWNSHIP, the Plymouth Township will provide a Working Capital Advance to the County of Wayne in the amount of \$ 33,267 as fifty percent (50%) of Plymouth Township's participation (as found in Exhibit A to this Agreement) of Project Cost; and

**Now, therefore be it resolved**, that the Charter Township of Plymouth Board of Trustees does hereby approve the proposed Agreement between the Plymouth Township and the County of Wayne for the reconstruction of Beck Road from Warren to Ann Arbor Trail, and

**Be it further resolved**, that the Supervisor and Clerk are authorized to execute the Agreement on behalf of the Charter Township of Plymouth.

YEAS:

NAYS:

ABSENT:

ABSTAIN:

I hereby certify that the foregoing is a true and correct copy of a resolution adopted by the board of supervisors of the Charter Township of Plymouth, County of Wayne, Michigan, at a meeting held on

\_\_\_\_\_.

**RESOLUTION**

No.

By Commissioner[s] [ \_\_\_\_\_ ]

**WHEREAS**, the County of Wayne acting through its County Commission at the request of the County Executive Officer has adopted a five (5) year Capital Improvement Program which provides for the improvement of certain roads located within the County of Wayne and the financing thereof.

**WHEREAS**, the five (5) year Capital Improvement Program included the improvements to Beck Road from Warren to Ann Arbor Trail (CIP ID 30-276) and was included in the annual budget adopted by this Commission.

**NOW THEREFORE**, be it:

**RESOLVED**, by the Wayne County Commission this \_\_\_\_ day of \_\_\_\_\_, 2015 that approval be, and is hereby, granted authorizing an Agreement between the County of Wayne, Canton Township, and Plymouth Township to provide for cost sharing in the reconstruction of Beck Road from Warren to Ann Arbor Trail, as recommended by the Chief Executive Officer, the costs for which are estimated at \$7,327,346 (which will be adjusted to reflect actual costs), and which shall be expended from Account 201.44908.818080, 201.44908.702000; and be it further

**RESOLVED**, that the Canton Township and Plymouth Township will provide payment to the County of Wayne in the amount of a combined total of \$116,725 (which will be adjusted to reflect actual costs), which represents the estimated amount of the Canton Township and Plymouth Township’s participation in the Project Costs (as found in Exhibit A to this Agreement) which shall be deposited in Account No. 201.44905.583340; and be it further

**RESOLVED**, that the Michigan Department of Transportation will provide Federal Aid in the amount of \$5,768,497 (which will be adjusted to reflect actual costs), and the Chief Executive Officer is authorized to negotiate and execute the appropriate agreement to facilitate this funding which shall be deposited in Account No. 201.44905.548100; and be it further

**RESOLVED**, that the Chief Executive Officer be, and is hereby duly authorized to execute the aforementioned contract on behalf of the County of Wayne.

3/18/2015

EXHIBIT A  
 Beck / Warren - Ann Arbor Trail  
 Part A – Participating  
 Part B - Non-Participating

	<u>PART A</u>	<u>PART B</u>	<u>TOTAL</u>
<b>Participation In Estimated CONSTRUCTION WORK</b>			
<u>Total Estimated CONSTRUCTION WORK Cost</u>	6,214,540	101,500	6,316,040
<b>Participation In Estimated CONSTRUCTION ENGINEERING and QUALITY CONTROL TESTING</b>			
Traffic Signal Work	63,900	0	63,900
<u>Total Estimated CONSTRUCTION ENGINEERING and QUALITY CONTROL TESTING Cost</u>	932,181	15,225	947,406
<b>SUMMARY OF COST PARTICIPATION</b>			
<u>GRAND TOTAL ESTIMATED PROJECT COST</u>	7,210,621	116,725	7,327,346
State TED-C Funds	5,768,497	0	5,768,497
LOCAL SHARE (After Federal/State Aid)	1,442,124	116,725	1,558,849
LOCAL COMMUNITY Participation			
Canton Township	43%	0	50,192
Plymouth Township	57%	0	66,533
COUNTY Participation		1,442,124	0
			1,442,124
<b>WORKING CAPITAL ADVANCE</b>			
Canton Township		25,096	
Plymouth Township		33,267	

Low Bid Prices

**EXHIBIT B**

**PROJECT CALENDAR**

The COUNTY shall undertake the Project in the calendar year 2015, or as soon as possible, in accordance with the terms of this Agreement.

Upon execution of this Agreement:

**The TOWNSHIPS shall each provide a Working Capital Advance equal to 50% of each TOWNSHIP'S estimated Project Costs as indicated in Exhibit A.**

Ninety (90) Days after execution of this Agreement (Quarterly Payment):

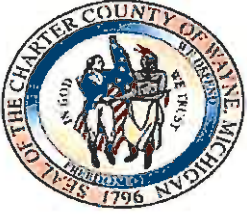
**The COUNTY will provide the TOWNSHIPS with a quarterly invoice for costs incurred to date.**

Ninety (90) Days after receipt of initial Quarterly Payment:

**The COUNTY will provide the TOWNSHIPS with a quarterly invoice for costs incurred to date, less any previously incurred costs.**

Quarterly invoices are scheduled for production and distribution on January 15, April 15, July 15 and October 15.

The quarterly invoices shall be mailed to the parties identified in Section 10.1 of this Agreement.



**WARREN C. EVANS**  
COUNTY EXECUTIVE

April 29, 2015

Nancy Conzelman, Township Clerk  
Plymouth Township  
9955 N. Haggerty Road  
Plymouth Township, MI 48170

RE: **ADDENDUM 1**  
Intergovernmental Agreement between  
Wayne County, Canton Township and Plymouth Township  
for reconstruction of Beck Rd. from Warren to Ann Arbor Trail  
Work Order No. 46973

Dear Ms. Conzelman:

Pursuant to discussions held between the County's Engineer and Supervisor Price, enclosed you will see Addendum 1 to the proposed intergovernmental agreement between Wayne County, Canton Township and Plymouth Township for reconstruction of Beck Road from Warren to Ann Arbor Trail which I previously mailed to you. The Addendum 1 adds a Part C to the Project, which is non-federal aid participating watermain construction, at 100% Plymouth Township cost. The additional costs are highlighted in the Addendum under the caption "Project", and at section 5.3, 5.4, 5.5 and 6.4. also enclosed are new suggested Resolutions, and a new Exhibit A- Addendum 1, which includes the costs for Part C.

Please review, and if satisfactory, please add the Addendum 1 to all copies of the IGA, and ask the Supervisor to sign three copies, and return along with your certification of the Township Board's official action approving of the agreement. By way of this letter, I also request that Ms. Bennet, Canton Township Clerk, incorporates this Addendum 1 into all copies of the agreement submitted to the Canton Township Board and Supervisor.

Please don't hesitate to call me at 313-224-0941 if I may answer any questions.

Very truly yours,

Nancy M. Rade  
Assistant Corporation Counsel  
@WCDPS  
400 Monroe, 3<sup>rd</sup> Floor  
Detroit, MI 48226  
313-224-0941

**DEPARTMENT OF CORPORATION COUNSEL  
500 GRISWOLD, 12<sup>TH</sup> FLOOR  
DETROIT, MICHIGAN 48226**

N. Conzelman  
Beck Rd IGA-Addendum 1  
April 29, 2015  
Page 2

Enclosures

C: Shannon Price, Supervisor, Plymouth Township  
Ronald Agacinski, Director, Engineering Division, WCDPS  
Terry Bennett, Clerk, Canton Township



**ADDENDUM 1**

**INTERGOVERNMENTAL AGREEMENT**

**between**

**THE COUNTY OF WAYNE**

**a n d**

**THE CANTON TOWNSHIP AND PLYMOUTH TOWNSHIP**

**for the reconstruction of**

**Beck Road**

**from**

**Warren to Ann Arbor Trail**

**Wayne County Work Order No. 46950**

## PROJECT

PART C: NON FEDERAL PARTICIPATING – WATERMAIN – 100% PLYMOUTH TOWNSHIP  
Construction of 629 feet of watermain, valves and hydrants; and all together with necessary related work.

### ARTICLE 5 COST SHARING

- 5.2 The parties hereto acknowledge that the current estimated Project Costs are \$7,467,646.
- 5.3 The parties hereto acknowledge that Part A Project Costs is partially funded by federal aid up to 80% and that the balance of the Project Costs will be funded by the local share of 20%. Part B Project Costs are not federal aid eligible and will be funded 100 % local funding. Part C – Watermain – 100% Plymouth Township Project Costs are not federal aid eligible and will be funded 100% Plymouth Township funding.
- 5.4 The COUNTY shall pay for Part A: 1) 100% of the local share of the Construction Work cost, 2) 100% of the local share of Construction Engineering and Quality Control Testing cost up to 15% of the total contracted price, and for that portion of the local share that exceeds 15% of the total contracted price then the County shall pay 50% of the local share of any Construction Engineering and quality control testing, as set forth in Exhibit A, which is based on the estimated Project Costs. The COUNTY shall pay for Part B: 0% of the Project costs. The COUNTY shall pay for

Part C: 0% of the Project costs.

5.5 The TOWNSHIPS shall pay for Part A: 1) 0% of the local share of the Construction Work cost, 2) 0% of the local share of Construction Engineering and Quality Control Testing cost up to 15% of the total contracted price, and for that portion of the local share that exceeds 15% of the total contracted price then the TOWNSHIPS shall pay 30.53% of the local share of any Construction Engineering and quality control testing, as set forth in Exhibit A, which is based on the estimated Project Costs. For Part B, Canton Township shall pay 43% of the Project Costs and Plymouth Township shall pay 57% of the Project Costs. For Part C, Plymouth Township shall pay 100% of the Project Costs.

**ARTICLE 6  
PAYMENT TERMS**

6.4 Upon execution of this Agreement by the TOWNSHIPS, Canton Township will provide a Working Capital Advance to the County of Wayne in the amount of \$ 25,096 as fifty percent (50%) of its estimated participation and Plymouth Township will provide a Working Capital Advance to the County of Wayne in the amount of \$ 103,417 as fifty percent (50%) of its participation, as found in Exhibit A- Addendum 1 to this Agreement of Project Costs.

Approved to form:

By: \_\_\_\_\_  
Nancy M. Rade  
Assistant Corporation Counsel  
Wayne County

Resolution #

Motion by \_\_\_\_\_, Support by \_\_\_\_\_, that

**Whereas**, the Plymouth Township believes quality roads are a vital part of any community, and

**Whereas**, certain improvements are necessary to Beck Road to increase traffic safety and to encourage economic development, and

**Whereas**, the Plymouth Township has committed to the reconstruction of the road in an area generally described as Beck Road from Warren to Ann Arbor Trail and that Plymouth Township will assist financially in the reconstruction of the road within its limits, and

**Whereas**, the Plymouth Township will provide payment to the County of Wayne in the estimated amount of \$ 206,833 (which will be adjusted to reflect actual costs), as Plymouth Township's participation of Project Costs; and

**Whereas**, upon execution of this Agreement by the TOWNSHIP, the Plymouth Township will provide a Working Capital Advance to the County of Wayne in the amount of \$ 103,417 as fifty percent (50%) of Plymouth Township's participation (as found in Exhibit A – Addendum 1 to this Agreement) of Project Cost; and

**Now, therefore be it resolved**, that the Charter Township of Plymouth Board of Trustees does hereby approve the proposed Agreement between the Plymouth Township and the County of Wayne for the reconstruction of Beck Road from Warren to Ann Arbor Trail, and

**Be it further resolved**, that the Supervisor and Clerk are authorized to execute the Agreement on behalf of the Charter Township of Plymouth.

YEAS:

NAYS:

ABSENT:

ABSTAIN:

I hereby certify that the foregoing is a true and correct copy of a resolution adopted by the board of supervisors of the Charter Township of Plymouth, County of Wayne, Michigan, at a meeting held on

\_\_\_\_\_.

**RESOLUTION**

No.

By Commissioner[s] [\_\_\_\_\_]

**WHEREAS**, the County of Wayne acting through its County Commission at the request of the County Executive Officer has adopted a five (5) year Capital Improvement Program which provides for the improvement of certain roads located within the County of Wayne and the financing thereof.

**WHEREAS**, the five (5) year Capital Improvement Program included the improvements to Beck Road from Warren to Ann Arbor Trail (CIP ID 30-276) and was included in the annual budget adopted by this Commission.

**NOW THEREFORE**, be it:

**RESOLVED**, by the Wayne County Commission this \_\_\_\_\_ day of \_\_\_\_\_ 2015 that approval be, and is hereby, granted authorizing an Agreement between the County of Wayne and the Canton Township and Plymouth Township to provide for cost sharing in the reconstruction of Beck Road from Warren to Ann Arbor Trail, as recommended by the Chief Executive Officer, the costs for which are estimated at \$7,467,646 (which will be adjusted to reflect actual costs), and which shall be expended from Account 201.44908.818080, 201.44908.702000; and be it further

**RESOLVED**, that the Canton Township and Plymouth Township will provide payment to the County of Wayne in the amount of \$ 257,025 (which will be adjusted to reflect actual costs), which represents the estimated amount of the Canton Township and Plymouth Township's participation in the Project Costs (as found in Exhibit A-Addendum 1 to this Agreement) which shall be deposited in Account No. 201.44905.583340; and be it further

**RESOLVED**, that the Michigan Department of Transportation will provide Federal Aid in the amount of \$ 5,768,497 (which will be adjusted to reflect actual costs), and the Chief Executive Officer is authorized to negotiate and execute the appropriate agreement to facilitate this funding which shall be deposited in Account No. 201.44905.548100; and be it further

**RESOLVED**, that the Chief Executive Officer be, and is hereby duly authorized to execute the aforementioned contract on behalf of the County of Wayne.

EXHIBIT A - Addendum 1  
 Beck / Warren - Ann Arbor Trail  
 Part A - Participating  
 Part B - Non-Participating  
 Part C - Watermain - 100% Plymouth Township

3/18/2015  
 REV: 4/29/2015

	<u>PART A</u>	<u>PART B</u>	<u>PART C</u>	<u>TOTAL</u>
<b>Participation In Estimated CONSTRUCTION WORK</b>				
Total Estimated CONSTRUCTION WORK Cost	6,214,540	101,500	122,000	6,438,040
<b>Participation In Estimated CONSTRUCTION ENGINEERING and QUALITY CONTROL TESTING</b>				
Traffic Signal Work	63,900	0	0	63,900
Total Estimated CONSTRUCTION ENGINEERING and QUALITY CONTROL TESTING Cost	932,181	15,225	18,300	965,706
<b>SUMMARY OF COST PARTICIPATION</b>				
GRAND TOTAL ESTIMATED PROJECT COST	7,210,621	116,725	140,300	7,467,646
State TED-C Funds	5,768,497	0	0	5,768,497
LOCAL SHARE (After Federal/State Aid) LOCAL COMMUNITY Participation	1,442,124	116,725	140,300	1,699,149
Canton Township	43%	0	50,192	0
Plymouth Township	57%	0	66,533	140,300
COUNTY Participation		1,442,124	0	0
<b>WORKING CAPITAL ADVANCE</b>				
Canton Township			25,096	0
Plymouth Township			33,267	70,150
				103,417