

# CITY OF HUDSON ENGINEERING DEPARTMENT REQUEST 2015-2019 CAPITAL BUDGET

## 430 FUND - ANNUAL PROGRAMS

### ESTIMATED

| NO.                           | PROJECT INFORMATION              | AMOUNT                 | DESCRIPTION  | YEAR | COMMENT                                                                                                                                                  | FUNDING BREAKDOWN                                                                                                                                                        | PRIORITY |
|-------------------------------|----------------------------------|------------------------|--------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 1                             | Annual Resurfacing               | \$ 885,000.00          | Construction | 2015 | Annual resurfacing program only. See list of streets Rated 19-49. Increased the cost due to severe winter in 2014 and condition of several listed roads. |                                                                                                                                                                          | 2        |
| 2                             | Annual Reconstruction - FUND 445 | \$ 2,000,000.00        | Construction | 2015 | FUND 445 - Amount required to complete rehabilitations within 3 years per Council, 2013-2015                                                             | FUND 445                                                                                                                                                                 | 2        |
| 3                             | Annual Concrete Program          | \$ 385,000.00          | Construction | 2015 | See breakdown to the right:                                                                                                                              | Sidewalk Repair \$ 15,000.00<br>Concrete Rd Panels \$ 100,000.00<br>Concrete Joint \$ 75,000.00<br>Concrete Overlay \$ 130,000.00<br>SR 8 Panel Replacement \$ 65,000.00 | 2        |
| 4                             | Connectivity - Pathways          | \$ 235,000.00          | Construction | 2015 | New pathways and sidewalks.                                                                                                                              |                                                                                                                                                                          | 3        |
| 5                             | Annual Striping Program          | \$ 185,000.00          | Construction | 2015 | The Min. required. 25k for milling 'words' to conform to updated OUTCM. Ravenna St. and Hudson Dr. placed back on list following resurfacing in 2014.    |                                                                                                                                                                          | 2        |
| 6                             | Annual Crack Sealing Program     | \$ 70,000.00           | Construction | 2015 | The Min. required                                                                                                                                        |                                                                                                                                                                          | 2        |
| <b>430 TOTAL ROADWAY 2015</b> |                                  | <b>\$ 3,760,000.00</b> |              |      |                                                                                                                                                          |                                                                                                                                                                          |          |
| 1                             | Annual Resurfacing               | \$ 750,000.00          | Construction | 2016 | Annual resurfacing program only.                                                                                                                         |                                                                                                                                                                          | 2        |
| 2                             | Annual Concrete Program          | \$ 425,000.00          | Construction | 2016 | See breakdown to the right:                                                                                                                              | Sidewalk Repair \$ 20,000.00<br>Concrete Rd Panels \$ 110,000.00<br>Concrete Joint \$ 80,000.00<br>Concrete Overlay \$ 150,000.00<br>SR 8 Panel Replacement \$ 65,000.00 | 2        |
| 3                             | Connectivity - Pathways          | \$ 235,000.00          | Construction | 2016 | New pathways and sidewalks.                                                                                                                              |                                                                                                                                                                          | 3        |
| 4                             | Annual Striping Program          | \$ 165,000.00          | Construction | 2016 | The Min. required                                                                                                                                        |                                                                                                                                                                          | 2        |
| 5                             | Annual Crack Sealing Program     | \$ 75,000.00           | Construction | 2016 | The Min. required                                                                                                                                        |                                                                                                                                                                          | 2        |
| <b>430 TOTAL ROADWAY 2016</b> |                                  | <b>\$ 1,650,000.00</b> |              |      |                                                                                                                                                          |                                                                                                                                                                          |          |

**CITY OF HUDSON ENGINEERING DEPARTMENT REQUEST  
2015-2019 CAPITAL BUDGET**

**430 FUND - ANNUAL PROGRAMS**

**ESTIMATED**

| NO.                           | PROJECT INFORMATION          | AMOUNT                 | DESCRIPTION  | YEAR | COMMENT                         | FUNDING BREAKDOWN                                                                                                                                                        | PRIORITY |
|-------------------------------|------------------------------|------------------------|--------------|------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 1                             | Annual Resurfacing           | \$ 775,000.00          | Construction | 2017 | City wide asphalt road program. |                                                                                                                                                                          | 2        |
| 2                             | Annual Concrete Program      | \$ 470,000.00          | Construction | 2017 | See breakdown to the right.     | Sidewalk Repair \$ 20,000.00<br>Concrete Rd Panels \$ 120,000.00<br>Concrete Joint \$ 85,000.00<br>Concrete Overlay \$ 180,000.00<br>SR 8 Panel Replacement \$ 65,000.00 | 2        |
| 3                             | Connectivity - Pathways      | \$ 235,000.00          | Construction | 2017 | New pathways and sidewalks.     |                                                                                                                                                                          | 3        |
| 4                             | Annual Striping Program      | \$ 170,000.00          | Construction | 2017 | The Min. required               |                                                                                                                                                                          | 2        |
| 5                             | Annual Crack Sealing Program | \$ 85,000.00           | Construction | 2017 | The Min. required               |                                                                                                                                                                          | 2        |
| <b>430 TOTAL ROADWAY 2017</b> |                              | <b>\$ 1,735,000.00</b> |              |      |                                 |                                                                                                                                                                          |          |
| 1                             | Annual Resurfacing           | \$ 800,000.00          | Construction | 2018 | City wide asphalt road program. |                                                                                                                                                                          | 2        |
| 2                             | Annual Concrete Program      | \$ 495,000.00          | Construction | 2018 | See breakdown.                  | Sidewalk Repair \$ 20,000.00<br>Concrete Rd Panels \$ 120,000.00<br>Concrete Joint \$ 90,000.00<br>Concrete Overlay \$ 200,000.00<br>SR 8 Panel Replacement \$ 65,000.00 | 2        |
| 3                             | Connectivity - Pathways      | \$ 235,000.00          | Construction | 2018 | New pathways and sidewalks.     |                                                                                                                                                                          | 3        |
| 4                             | Annual Striping Program      | \$ 175,000.00          | Construction | 2018 | The Min. required               |                                                                                                                                                                          | 2        |
| 5                             | Annual Crack Sealing Program | \$ 90,000.00           | Construction | 2018 | The Min. required               |                                                                                                                                                                          | 2        |
| <b>430 TOTAL ROADWAY 2018</b> |                              | <b>\$ 1,795,000.00</b> |              |      |                                 |                                                                                                                                                                          |          |

CITY OF HUDSON ENGINEERING DEPARTMENT REQUEST  
2015-2019 CAPITAL BUDGET

430 FUND - ANNUAL PROGRAMS

ESTIMATED

| NO.                           | PROJECT INFORMATION          | AMOUNT                 | DESCRIPTION  | YEAR | COMMENT                                                         | FUNDING BREAKDOWN                                                                                                                 | PRIORITY |
|-------------------------------|------------------------------|------------------------|--------------|------|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------|
| 1                             | Annual Resurfacing           | \$ 825,000.00          | Construction | 2019 | City wide asphalt road program.                                 |                                                                                                                                   | 2        |
| 2                             | Annual Concrete Program      | \$ 435,000.00          | Construction | 2019 | See breakdown to the right. No SR 8 panels 2019 Reconstruction. | Sidewalk Repair \$ 20,000.00<br>Concrete Rd Panels \$ 125,000.00<br>Concrete Joint \$ 90,000.00<br>Concrete Overlay \$ 200,000.00 | 2        |
| 3                             | Connectivity - Pathways      | \$ 235,000.00          | Construction | 2019 | New pathways and sidewalks.                                     |                                                                                                                                   | 3        |
| 4                             | Annual Striping Program      | \$ 180,000.00          | Construction | 2019 | The Min. required                                               |                                                                                                                                   | 2        |
| 5                             | Annual Crack Sealing Program | \$ 95,000.00           | Construction | 2019 | The Min. required                                               |                                                                                                                                   | 2        |
| <b>430 TOTAL ROADWAY 2019</b> |                              | <b>\$ 1,770,000.00</b> |              |      |                                                                 |                                                                                                                                   |          |

**CITY OF HUDSON ENGINEERING DEPARTMENT  
2015-19 CAPITAL BUDGET**

**430 FUND 2015-2019 SPECIAL PROJECTS CAPITAL BUDGET**

| NO. | PROJECT INFORMATION                                                                                          | ESTIMATED<br>AMOUNT | DESCRIPTION                     | YEAR | COMMENT                                                                                                                                                                                                                    | CITY OF<br>HUDSON<br>FUNDING | MAX FEDERAL<br>FUNDING | OTHER LOCAL<br>FUNDING | PRIORITY |
|-----|--------------------------------------------------------------------------------------------------------------|---------------------|---------------------------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------|------------------------|----------|
| 1   | Safe Routes To School Parkside Drive Pathway                                                                 | \$ 125,000.00       | Construction                    | 2015 | ODOT 2014 Grant - Safe Routes to Schools. Estimated Cost of the project \$125,000.                                                                                                                                         | \$ 75,000.00                 | \$ 50,000.00           |                        | 4        |
| 2   | SR 91/Prospect St. Reconstruction                                                                            | \$ 843,000.00       | Construction                    | 2015 | AMATS/ODOT project. Redesign of the intersection. Improve the signal, roadway, storm and pedestrian movements in the area of SR 91.                                                                                        | \$ 170,000.00                | \$ 675,000.00          |                        | 4        |
| 3   | SR 91 & Norton Turn Lanes                                                                                    | \$ 96,800.00        | R/W                             | 2015 | AMATS. 2013-14 Design; 2015 R/W; 2016-17 Construction. Slow share 50%.                                                                                                                                                     | \$ 19,300.00                 | \$ 77,500.00           |                        | 4        |
| 4   | SR 91 Downtown Corridor Improvements                                                                         | \$ 45,000.00        | R/W                             | 2015 | AMATS. Amounts excludes any Streetscape improvements (\$175k); Includes Clinton/Aurora/SR 91 Signal; Design 2013-14. R/W (2015); Const. 2016.                                                                              | \$ 9,000.00                  | \$ 36,000.00           |                        | 4        |
| 5   | SR 91 and Middleton Intersection                                                                             | \$ 25,000.00        | Study                           | 2015 | Evaluate turn lanes, speed, efficiency, & potential improvements, & school zone flashers. Study area SR 91- Middleton Road intersection to N. Corp. Line.                                                                  | \$ 25,000.00                 |                        |                        | 2        |
|     |                                                                                                              | \$ 1,134,800.00     | <b>430 SPECIAL ROADWAY 2015</b> |      |                                                                                                                                                                                                                            | \$ 298,300.00                |                        |                        |          |
| 1   | SR 91 & Norton Turn Lanes                                                                                    | \$ 2,100,000.00     | Construction                    | 2016 | AMATS. 2013-14 Design; 2014 R/W; 2016 Construction. Slow share 50%.                                                                                                                                                        | \$ 210,000.00                | \$ 1,680,000.00        | \$ 210,000.00          | 4        |
| 2   | SR 91 Downtown Corridor Improvements                                                                         | \$ 1,870,000.00     | Construction                    | 2016 | AMATS. Amounts excludes any Streetscape improvements (\$175k); Includes Clinton/Aurora/SR 91 Signal; Design 2013-14; R/W (2014); Const. 2016.                                                                              | \$ 375,000.00                | \$ 1,496,000.00        |                        | 4        |
| 3   | SR 91 Downtown Corridor Improvements - Streetscape Improvements.                                             | \$ 175,000.00       | Construction                    | 2016 | Streetscape features to be incorporated into the design of the AMATS SR 91 Downtown Corridor Improvement Project. 100% local funds.                                                                                        | \$ 175,000.00                |                        |                        | 4        |
| 4   | SR 91 North Turn Lanes, Valley View, Herrick Park, and Hines Hill                                            | \$ 96,800.00        | R/W                             | 2016 | AMATS. 2013-14 Design (100% local); 2015 R/W; 2016 Const.                                                                                                                                                                  | \$ 19,300.00                 | \$ 77,500.00           |                        | 4        |
| 5   | Middleton Road Resurfacing (Slow Rd. to SR 91 up to Twinsburg Twp. Line) Sanitary and Water Bolt Replacement | \$ 410,000.00       | Construction                    | 2016 | Resurfacing of Roadway following the DOES Sanitary Sewer Improvement Project, and City of Akron Bolt Replacement Project. Cost based on Bid in 2013.                                                                       | \$ 410,000.00                |                        |                        | 2        |
| 6   | Citywide Guardrail Replacement Program-Phase 1                                                               | \$ 125,000.00       | Construction                    | 2016 | This construction project will replace guardrail within the City damaged or outdated, that is under the City responsibility. This is a phased project.                                                                     | \$ 125,000.00                |                        |                        | 2        |
| 7   | Phase 2 - 1st and Main Downtown Development                                                                  | \$ 50,000.00        | Study                           | 2016 | Future phase of downtown area. Proposed Pre-development Traffic Impact Study.                                                                                                                                              | \$ 50,000.00                 |                        |                        | 2        |
| 8   | Executive Parkway Cul-de-sac Improvement                                                                     | \$ 200,000.00       | Construction                    | 2016 | The construction will install a cul-de-sac at the end of Executive Parkway. This request was designed in-house by our staff and we have a verbal commitment from Pilot/CMS to donate the required land for the cul-de-sac. | \$ 200,000.00                |                        |                        | 3        |

**CITY OF HUDSON ENGINEERING DEPARTMENT  
2015-19 CAPITAL BUDGET**

**430 FUND 2015-2019 SPECIAL PROJECTS CAPITAL BUDGET**

| NO.                             | PROJECT INFORMATION                                                        | ESTIMATED<br>AMOUNT | DESCRIPTION  | YEAR | COMMENT                                                                                                                                                                                                                              | CITY OF<br>HUDSON<br>FUNDING | MAX FEDERAL FUNDING | OTHER LOCAL<br>FUNDING | PRIORITY |
|---------------------------------|----------------------------------------------------------------------------|---------------------|--------------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------------|------------------------|----------|
| 9                               | Seasons Rd Interchange Signal Project                                      | \$ 100,000.00       | Construction | 2016 | 50% split with City of Slow - Front End. (\$50k each). Warranted by ODOT when interchange was built 5 years ago. ODOT did not construct.                                                                                             | \$ 50,000.00                 | \$                  | \$ 50,000.00           | 3        |
| 10                              | City Wide Traffic Signal System re-counting and modeling.                  | \$ 75,000.00        | Study        | 2016 | This study will review the signal system timings throughout the City due to traffic changes from the recent SR 8 limited access improvements and the study will make recommendations to improve efficiency. (1st and Main Phase 27). | \$ 75,000.00                 |                     |                        | 3        |
| 11                              | Barlow Road/Young Road Intersection                                        | \$ 60,000.00        | Design       | 2016 | Existing Study completed in early 2000's. Intersection alignment needs to be realigned to increase safety at this intersection.                                                                                                      | \$ 60,000.00                 |                     |                        | 3        |
| 12                              | Barlow Road/Terex Road (West) Intersection Redesign                        | \$ 80,000.00        | Design       | 2016 | Intersection Alignment redesign. Intersection needs to be realigned in order to increase safety at this intersection.                                                                                                                | \$ 80,000.00                 |                     |                        | 3        |
| <b>430 SPECIAL ROADWAY 2016</b> |                                                                            |                     |              |      |                                                                                                                                                                                                                                      | <b>\$ 1,829,300.00</b>       |                     |                        |          |
| 1                               | SR 91 Darrow Road/Corporate Drive Crosswalk (JoAnn's)                      | \$ 75,000.00        | Construction | 2017 | Crosswalk at SR 91/Corporate Drive (No sidewalk included to Summa). Joann stores may contribute.                                                                                                                                     | \$ 75,000.00                 |                     |                        | 3        |
| 2                               | Owen Brown Bridge Rehabilitation                                           | \$ 40,000.00        | Study        | 2017 | The review of the existing culvert to evaluate the hydrologic and hydraulic capacity and if it has the proper capacity since the Barlow CC Pond project improvements were constructed.                                               | \$ 40,000.00                 |                     |                        | 3        |
| 3                               | Slow & Ravenna Road Intersection Project                                   | \$ 35,000.00        | Study        | 2017 | Re-alignment/Round-about. Possible AMATS project.                                                                                                                                                                                    | \$ 35,000.00                 |                     |                        | 3        |
| 4                               | SR 303 West Downtown Corridor Imp.(SR 91 to Boston Mills) - Lane Reconfig. | \$ 150,000.00       | Design       | 2017 | 2016 Study/Design. Highest crash rate corridor in Hudson per AMATS.                                                                                                                                                                  | \$ 150,000.00                |                     |                        | 3        |
| 5                               | Ohio Turnpike Noise Walls Project                                          | \$ 725,000.00       | Construction | 2017 | ODOT Funding. Two separate noise wall locations. (1. Southside of the OTC, West of SR 91 near Ambrose Drive. 2. Northside of the OTC, East of SR 91 near Jesse Drive.) Requested \$1,000,000. Partially funded.                      | \$ 150,000.00                | \$ 575,000.00       |                        | 4        |
| 6                               | SR 91 (Darrow Road area) & Seasons Road Corridor Access                    | \$ 90,000.00        | Study        | 2017 | Access management study similar to that done SR 91 (south). \$40k each corridor.                                                                                                                                                     | \$ 90,000.00                 |                     |                        | 3        |
| <b>430 SPECIAL ROADWAY 2017</b> |                                                                            |                     |              |      |                                                                                                                                                                                                                                      | <b>\$ 540,000.00</b>         |                     |                        |          |
| 1                               | Citywide Guardrail Replacement Program-Phase 2                             | \$ 125,000.00       | Construction | 2018 | This construction project will replace guardrail within the City damaged or outdated, that is under the City responsibility. This is a phased project.                                                                               | \$ 125,000.00                |                     |                        | 3        |
| 2                               | Hines Hill Grade Separation                                                | \$ 800,000.00       | Design/ R/W  | 2018 | Until Construction Funding Secured - On Hold; 2015 Acquist. & 2017 Const. (\$8M). R/W at Prospect St.                                                                                                                                | \$ 850,000.00                |                     |                        | 2        |
| 3                               | SR 91 North Turn Lanes, Valley View, Herrick Park, and Hines Hill          | \$ 2,090,880.00     | Construction | 2018 | AMATS. 2013-14 Design; 2016 Const.                                                                                                                                                                                                   | \$ 420,000.00                | \$ 1,670,000.00     |                        | 4        |

CITY OF HUDSON ENGINEERING DEPARTMENT  
2015-19 CAPITAL BUDGET

430 FUND 2015-2019 SPECIAL PROJECTS CAPITAL BUDGET

| NO. | PROJECT INFORMATION                                            | ESTIMATED<br>AMOUNT | DESCRIPTION  | YEAR | COMMENT                                                                                                                                                             | CITY OF<br>HUDSON<br>FUNDING                   | MAX FEDERAL<br>FUNDING | OTHER LOCAL<br>FUNDING                                                      | PRIORITY |
|-----|----------------------------------------------------------------|---------------------|--------------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|------------------------|-----------------------------------------------------------------------------|----------|
| 4   | Ingleside Bridge Replacement                                   | \$ 90,000.00        | Design       | 2018 | Bridge rated in Fair condition last several years as part of our annual bridge inspection. Built in 1929. No immediate danger. Serves less than a dozen properties. | 90,000.00                                      |                        |                                                                             | 3        |
| 5   | Prospect St. Bike/Ped Bridge @ Turnpike                        | \$ 30,000.00        | Study        | 2019 | Evaluate design options and cost of construction to widen this bridge.                                                                                              | 30,000.00                                      |                        |                                                                             | 3        |
| 6   | Oviatt Street Connector (Oviatt St. to SR 91 at Veterans Way). | \$ 750,000.00       | Design       | 2019 | Strategic Plan. Until Construction Funding Secured - On Hold; 2013 applying to AMATS. Construction \$8M.                                                            | 750,000.00                                     |                        |                                                                             | 3        |
| 7   | Hines Hill Grade Separation                                    | \$ 8,000,000.00     | Construction | 2019 | Strategic Plan. Until Construction Funding is Secured with an AMATS Grant- On Hold; 2013 applying to AMATS. Construction \$8M.                                      | 8,000,000.00                                   |                        | \$273,000<br>Fed Earmark for<br>Preliminary Design<br>(Already Encumbered ) | 3        |
|     |                                                                | \$ 11,985,880.00    |              |      |                                                                                                                                                                     |                                                |                        |                                                                             |          |
|     |                                                                |                     |              |      |                                                                                                                                                                     | 430 SPECIAL ROADWAY 2018-2019 \$ 10,265,000.00 |                        |                                                                             |          |

**CITY OF HUDSON ENGINEERING DEPARTMENT  
2015-2020 CAPITAL BUDGET**

**431/504 STORM WATER FUNDS**

| NO. | PROJECT INFORMATION                                                | AMOUNT         | DESCRIPTION  | YEAR | COMMENT                                                                                                                                                                                                                                                                                                                                                                                               | FUNDING BREAKDOWN | PRIORITY |
|-----|--------------------------------------------------------------------|----------------|--------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------|
| 1   | Norfolk & Southern RR Culvert.                                     | \$520,000.00   | Construction | 2014 | <u>Carry-over</u> Culvert installation on the Norfolk and Southern RR property to reduce the flooding near the Versailles Condominiums. This is a carry-over from 2014.                                                                                                                                                                                                                               |                   | 2        |
| 2   | BCC Pond Improvements                                              | \$45,000.00    | Design       | 2015 | <u>ODNR Requirement. 5-year remediation plan.</u> Emergency overflow improvements, armoring embankment, and uniform elevation of bike trail on embankment design. (Maybe In-house design depending on workload.)                                                                                                                                                                                      |                   | 1        |
| 3   | BCC Pond Improvements at Outlet Structure                          | \$50,000.00    | Construction | 2015 | Storm Sewer Pipe Outlet rehabilitation separation from HW and trash rack improvement. <u>ODNR Requirement. 5-year remediation plan.</u>                                                                                                                                                                                                                                                               |                   | 1        |
| 4   | Gibson Court Storm Lining                                          | \$90,000.00    | Construction | 2015 | Epoxy lining of an existing 42" CMP storm sewer culvert within a rear property easement. Condition of the pipe = Fair to Poor.                                                                                                                                                                                                                                                                        |                   | 2        |
| 5   | Tinkers Creek Watershed Study                                      | \$150,000.00   | Study        | 2016 | Regional Study to alleviate flooding in Herrick Park, Jonathan Dr, Canterbury developments, White Horse Acres development and other identified flood prone areas. The entire watershed will benefit from this detailed study that will determine where to allocate future funds more effectively to alleviate storm flooding issues within this watershed.                                            |                   | 2        |
| 6   | Storm Sewer Pipe Lining (Various lines)                            | \$75,000.00    | Construction | 2016 | Various storm sewer lines throughout the City.                                                                                                                                                                                                                                                                                                                                                        |                   | 2        |
| 7   | Willows Pond Project                                               | \$1,400,000.00 | Construction | 2016 | Removes 5 residential properties from 100-yr. flood limits, per the study. Provides additional storage for heavy rain events for this area of the Mudbrook Watershed and reduces downstream property flooding and erosion issues within the Mudbrook Watershed. Downstream driveway culvert replacement and temporary work right agreements. <u>US Army Corp./OPEA permit running out in 3 years.</u> |                   | 2        |
| 8   | Nottingham Gate Development Storm Water Outlet Replacement Project | \$150,000.00   | Construction | 2016 | Replacement of Existing 8" Outlet Control Piping with 15" DIA. PVC from Nottingham Gate Development Entrance south on Terex Road. <u>In-house design.</u>                                                                                                                                                                                                                                             |                   | 3        |

**431/504 Sub-Total 2015 - 2016**  
**\$2,480,000.00**

**CITY OF HUDSON ENGINEERING DEPARTMENT  
2015-2020 CAPITAL BUDGET**

**431/504 STORM WATER FUNDS**

| NO. | PROJECT INFORMATION                         | AMOUNT       | DESCRIPTION  | YEAR | COMMENT                                                                                                                                                                                                                                                                                                                                                                                                                                      | FUNDING BREAKDOWN                                 | PRIORITY |
|-----|---------------------------------------------|--------------|--------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|----------|
| 1   | BCC Pond Improvements                       | \$300,000.00 | Construction | 2017 | <b>ODNR Requirement. 5-year remediation plan.</b> Emergency overflow improvements, amoring embankment, and uniform elevation of bike trail on embankment.                                                                                                                                                                                                                                                                                    |                                                   | 1        |
| 2   | Boston Mills Road Storm Water Improvement   | \$50,000.00  | Design       | 2017 | Major storm water improvement to alleviate routine flooding of approximately 20 separate property owners along Boston Mills Rd, Meadow wood Lane and Lost Woods Lane. Temp. work right agreements needed.                                                                                                                                                                                                                                    |                                                   | 3        |
| 3   | Brandywine Creek/Turnpike Storm Management  | \$35,000.00  | Study        | 2018 | Proposed location for a regional storm water management structure to reduce runoff downstream in Brandywine Creek. NEORS D may help with cost if the case is settled with NEORS D regarding the storm system jurisdiction.. The City will need property acquisition with this project.                                                                                                                                                       |                                                   | 2        |
| 4   | Argyle Drive/CVS Drainage Study             | \$75,000.00  | Design       | 2018 | Several private rear yards/properties routinely flooded on Argyle Drive as noted in 2006 Mud Brook Watershed Study due to the low slope of the existing private detention pond in the rear of commercial properties on SR 91. Private property temporary work agreements needed for this work.                                                                                                                                               | Possible split cost with private property owners. | 3        |
| 5   | Heather Lane Rear Yard Drainage Improvement | \$45,000.00  | Construction | 2018 | In-house design. This project will provide adequate storm sewer drainage from multiple private property rear yards on Heather Ln & Inverness Ct. that routinely flood from the incapacity of the existing underdrain system. The City will Need Easements or Work Right Agreements. Currently an underdrain system installed by City after Church developed per the homeowners. Replace underdrain system with storm sewer and catch basins. | Possible split cost with private property owners. | 3        |
| 6   | Golf Course Study/Nicholson Outfall         | \$30,000.00  | Design       | 2018 | Design to reduce private property rear yard flooding at the culvert of Nicholson and from the City Golf Course. Temp. work agreements. May be constructed with the AMATS/ODOT Veterans Way Trail Project, with 100% local funds. This ODOT project will be designed in this area of the golf course.                                                                                                                                         |                                                   | 3        |
| 7   | Boston Mills Road Storm Water Improvement   | \$500,000.00 | Construction | 2018 | Major storm water improvement to alleviate routine flooding of approximately 20 separate property owners along Boston Mills Rd, Meadow wood Lane and Lost Woods Lane. Temp. work right agreements needed. Helps PW minimize maintenance.                                                                                                                                                                                                     |                                                   | 3        |
| 8   | Milford Road Storm Sewer Replacement        | \$30,000.00  | Construction | 2018 | Replace failing 12" Storm sewer along with 2 catch basins.                                                                                                                                                                                                                                                                                                                                                                                   |                                                   | 3        |
| 9   | Elm crest Storm Sewer Lining                | \$50,000.00  | Construction | 2019 | Sewer lining of approximately 1,000 LF of existing 10" storm sewer, 6'-7' deep which has multiple sink holes. East side of Elm Crest Drive.                                                                                                                                                                                                                                                                                                  |                                                   | 3        |
| 10  | Sullivan Road Culvert Replacement           | \$35,000.00  | Design       | 2019 | Culvert on Sullivan Road needs to be replaced with the SR 8 Improvement project in 2016-18. <u>Shall be completed at the same year as the SR 8 Reconstruction ODOT Project (2019).</u>                                                                                                                                                                                                                                                       |                                                   | 4        |
| 11  | Sullivan Road Culvert Replacement           | \$150,000.00 | Construction | 2020 | This project will increase the hydraulics of this existing culvert and includes the replacement of the roadway. Currently the culvert is under water and its condition is unknown. Temp. work agreements needed for private property adjacent to the right of way. The existing retention pond on the east side will need to be lowered to aid hydraulics.                                                                                   |                                                   | 2        |

|                                |                |
|--------------------------------|----------------|
| 431/504 Sub-Total 2017 - 2020  | \$1,300,000.00 |
| TOTAL 431/504 FUND 2015 - 2020 | \$3,780,000.00 |

**CITY OF HUDSON ENGINEERING DEPARTMENT  
2015-2019 CAPITAL BUDGET**

**501 WATER FUND**

| NO.                             | PROJECT INFORMATION                                    | ESTIMATED<br>AMOUNT   | DESCRIPTION  | YEAR | COMMENT                                                                                                                                                                                                                                                                                       | FUNDING BREAKDOWN | PRIORITY |
|---------------------------------|--------------------------------------------------------|-----------------------|--------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------|
| 1                               | North Main Street Waterline (Part 1 of AMATS Project.) | \$420,000.00          | Construction | 2016 | SR 303 to Owen Brown St. Designed as part of AMATS/ODOT Project. Installed 1910. Project cost will be approximately \$300,000 if incorporated into ODOT contract.                                                                                                                             |                   | 4        |
| 2                               | Water Model Update.                                    | \$40,000.00           | Study        | 2016 | Re-Calibrate existing water model, field calibration, correct any errors and update accordingly. City to maintain model when update and calibration completed. Software cost would be included in operating \$6,000.                                                                          |                   | 2        |
| 3                               | Manor Drive Water Main Replacement (Phase 1).          | \$425,000.00          | Construction | 2017 | Replacement of 6" water main with 1,600' of 8" DI. Ranked 2nd in breaks in Hudson after Division St. (Oviatt to College). (Does not include connection to Ravenna St. or other loop connection. See below.) <u>In-house design.</u> (If Consultant = \$40,000 cost estimate). Installed 1956. |                   | 2        |
| <b>501 Sub-Total 2016-2017</b>  |                                                        | <b>\$885,000.00</b>   |              |      |                                                                                                                                                                                                                                                                                               |                   |          |
| 1                               | SR91 (S. Main Street)                                  | \$425,000.00          | Construction | 2018 | Existing 4" diameter waterline on SR 91 from Nantucket to John Clark Lane. Estimate 1400 ft. Installed 1916. (Traffic control large amount of construction cost.)                                                                                                                             |                   | 2        |
| 2                               | Reserve At River Oaks Subdivision (Waterline loop)     | \$160,000.00          | Construction | 2018 | Subdivision loop to SR 303 for water quality and pressure related issues.                                                                                                                                                                                                                     |                   | 3        |
| 3                               | SR 303 Transmission Line Replacement                   | \$80,000.00           | Design       | 2018 | SR 303 from the Hudson Water Treatment Plant to Boston Mills Road/SR 303 Intersection. The existing pipe is an asbestos concrete transmission pipe. Materials are more difficult to obtain. AC pipe is very brittle. Installed 1968.                                                          |                   | 2        |
| 4                               | Manor Drive Water Main Replacement (Phase 2)           | \$125,000.00          | Construction | 2019 | Loop water line from Cul-de-Sac on Manor to Ravenna St. or Parmalee. The loop will increase fire flow, water quality to this area of the Hudson Water System. Installed 1956.                                                                                                                 |                   | 3        |
| 5                               | SR 303 Transmission Line Replacement                   | \$1,200,000.00        | Construction | 2020 | SR 303 from the Hudson Water Treatment Plant to Boston Mills Road/SR 303 Intersection (\$220/lf @ 7000 LF). Directional Drilled 16" Dia. PVC. The existing pipe is an asbestos concrete transmission pipe. Materials are more difficult to obtain. AC pipe is very brittle. Installed 1968.   |                   | 2        |
| 6                               | Maple Street Water Main Replacement                    | \$35,000.00           | Design       | 2020 | Replacement of 4" CI water main with 700' of 8" DI. Installed 1927. (Could be designed in house utilizing the interns.)                                                                                                                                                                       |                   | 2        |
| 7                               | Roslyn Water Main Replacement                          | \$35,000.00           | Design       | 2020 | Replacement of 4" CI water main with 750' of 8" DI. Installed 1931. (Cost is a placeholder if interns are not used for survey and design.)                                                                                                                                                    |                   | 2        |
| 8                               | WPA Water main Loop                                    | \$50,000.00           | Design       | 2020 | 1,800 lf loop of 8" Academy Rd to rear of Murchough Athletic Complex. (Cost is a placeholder if interns are not used for survey and design.)                                                                                                                                                  |                   | 3        |
| <b>501 Sub-Total 2018-2020</b>  |                                                        | <b>\$2,110,000.00</b> |              |      |                                                                                                                                                                                                                                                                                               |                   |          |
| <b>TOTAL 451/501 WATER FUND</b> |                                                        | <b>\$2,995,000.00</b> |              |      |                                                                                                                                                                                                                                                                                               |                   |          |

**CITY OF HUDSON ENGINEERING DEPARTMENT  
2015-19 CAPITAL BUDGET**

**452 SANITARY SEWER FUND**

| NO.                           | PROJECT INFORMATION                                                                                                    | AMOUNT              | DESCRIPTION  | YEAR | COMMENT                                                                                                                              | FUNDING BREAKDOWN | PRIORITY |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------|---------------------|--------------|------|--------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------|
| 1                             | Sanitary Sewer Study (Detailed study of major inflow & infiltration areas from sanitary sewer model completed in 2014) | \$50,000.00         | Study/Design | 2015 | Placeholder. Study areas of sanitary sewer study that highlighted I & I issues.                                                      |                   | 2        |
| 2                             | Sanitary Lateral Lining Project                                                                                        | \$75,000.00         | Construction | 2015 | Various sewer lines throughout the City system.                                                                                      |                   | 2        |
| 3                             | Sanitary Sewer Manhole Rehab/Replacement                                                                               | \$50,000.00         | Construction | 2015 | Various manholes throughout the City system.                                                                                         |                   | 2        |
| <b>452 Sub-Total 2014</b>     |                                                                                                                        | <b>\$175,000.00</b> |              |      |                                                                                                                                      |                   |          |
| 1                             | Sanitary Sewer Lining Project                                                                                          | \$125,000.00        | Construction | 2016 | Various sewer lines throughout the City.                                                                                             |                   | 2        |
| 2                             | Downtown Sanitary Sewer Study - 1st and Main Phase 2 Downtown Development                                              | \$50,000.00         | Study        | 2016 | Study to evaluate the impacts on the future phase 2 - Downtown Development within the current system and design recommendations.     |                   | 2        |
| 3                             | Hudson Street Sanitary Sewer                                                                                           | \$170,000.00        | Construction | 2017 | <u>In-house design.</u> (If Consultant is used in Design = \$35,000.) Construction would be moved back 1 year if consultant is used. |                   | 2        |
| 4                             | Boston Mills Rd. Upsizing at Boston Mills Rd. Bridge                                                                   | \$80,000.00         | Construction | 2018 | Pipe at Bridge was undersized to reduce sewer overflows at former Waste Water Treatment Plant.                                       |                   | 2        |
| 5                             | Sanitary Sewer Lining Project (Various Lines)                                                                          | \$150,000.00        | Construction | 2018 | Various sewer lines throughout the City system.                                                                                      |                   | 2        |
| 6                             | Aurora Street Sanitary Sewer                                                                                           | \$210,000.00        | Construction | 2019 | <u>In-house design.</u> (If Consultant is used in Design = \$40,000.) Construction would be moved back 1 year if consultant is used. |                   | 2        |
| <b>452 Sub-Total 2015-18</b>  |                                                                                                                        | <b>\$785,000.00</b> |              |      |                                                                                                                                      |                   |          |
| <b>TOTAL 452 FUND 2014-16</b> |                                                                                                                        | <b>\$960,000.00</b> |              |      |                                                                                                                                      |                   |          |