

**2016-2019 STIP**

# STIP/ATIP Template Guidance Part I & II



**Minnesota Department of  
Transportation**

Office of Transportation System  
Management (OTSM)

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**2016-2019 STIP/ATIP TEMPLATE GUIDANCE  
PART I & II**

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# **2016-2019 STIP/ATIP TEMPLATE GUIDANCE PART I**

**ATIP data should be transmitted via a customized Excel template provided by the Office of Transportation System Management (OTSM) in the following format. Please input data using UPPERCASE and round to the nearest dollar (do not round using # format). Please do not use dashes for blank cells, use zero (0) instead.**

<b>STIP/ATIP Template</b>		
<b>DATA</b>	<b>COLUMN</b>	<b>FORMAT</b>
Sequence #	A	The column will be assigned by OTSM when the STIP is finalized.
ATP	B	Enter the ATP number from the drop down menu. Metro should use the letter M.
District	C	Enter the MnDOT construction district number from the drop down menu. Metro should use the letter M.
Route System	D	Enter the route system from the drop down menu. See Figure 1 for list of standard route system abbreviations.
Route Number	E	Enter the number associated with the route system. If not applicable, enter 999 for Statewide. (Do not use 999 for Transit Projects (BB), Ped/Bike, Rec Trails, RR, or if not applicable such as intersection improvements, signing, countywide shoulder paving, etc.)
Rte_Sys	F	Automatically calculated by formula (Route System & Route Number).
Project number	G	Enter the project number that identifies the project. See Figure 2 for standard formats for project number.
Year	H	From the drop down menu, enter the state fiscal year in which the District/ATP is requesting the project
Rank	I	Leave Blank (may be used by District, Central Office does not use)
Who	J	From the drop down menu, enter an S to identify MnDOT projects, an L to identify local projects, and an A for all other projects. Transit projects are considered local projects. (See the attached “How to Program Centrally Funded Programs or contact Trang Chu/Sue Thompson)
Agency	K	Enter the name of the jurisdiction responsible for implementing the project or for opening bids. If the jurisdiction is the MPO/RDC, use MPO/RDC. For transit projects, this can be either MnDOT or the local transit authority. For 5307 transit projects, the Agency is always the local transit authority. For STP funded transit projects, MnDOT is the agency unless that project is an urban (MPO) project and then it is the local transit authority. For Rail projects enter MnDOT as the agency. See Figure 3 for recommended formats

MPO	L	From the drop down menu, enter an indicator to identify projects that are located in an MPO. (Leave blank if not in an MPO) 1 = Duluth-Superior 2 = Grand Forks-East Grand Forks 3 = St. Cloud 4 = Fargo-Moorhead 5 = La Crosse-La Crescent 6 = Rochester-Olmsted 7 = Met Council 8 = Mankato
Description	M	Enter a brief description of the project. See Figure 4A, 4B, and 4C for recommended formats and abbreviations.
BEG RP	N	Enter the beginning reference points (xxx+xx.xxx).
END RP	O	Enter the ending reference points (xxx+xx.xxx).
Length	P	Enter the length of the project in miles. Use only one decimal place. Use 0.0 for length of bridges, intersections. NOTE: FHWA will require Beg RF/End RP /Length on all route systems beginning October 1, 2014.
City	Q	From the drop down menu, enter the name of the city when a project is located in a city.
County	R	From the drop down menu, enter the name of the county (or multi-county/districtwide).
Program	S	From the drop down menu, enter the 2 letter category identifier for the project “program”. See Figures 5A and 5B for the list of Program.
Performance Policy Codes 1 and 2	T	Automatically calculated by formula.
<b>Perf Policy Code 1</b>	U	Leave blank
Perf Policy Code 2	V	Leave blank
Primary Type of Work	W	From the drop down menu, enter the primary type of work. Only one primary code can be used for each project. If a project includes more than one work type, the work type that has the greatest cost associated with it should be used and use the “Secondary Type of Work” column.
Secondary Type of Work	X	From the drop down menu, enter the secondary type of work. Only one secondary code can be used.
Proposed Funds	Y	Automatically calculated by formula.
Fund 1	Z	From the drop down menu, enter the anticipated source of funding. See Figure 6 for list of funding sources.

Fund 2	AA	From the drop down menu, enter the additional sources of anticipated funding for the project.
Fund 3	AB	From the drop down menu, enter the additional sources of anticipated funding for the project.
STIP TOTAL	AC	Automatically calculated by formula. Equals the sum of HPP, Other FHWA, FHWA, District C FHWA, HPP & Other AC Payback, Target AC Payback, District C AC Payback, FTA, State TH, District C TH, BOND, and Other dollars.
FHWA Earmark	AD	Enter the total federal dollars <i>available to date</i> for all Demo projects
Other FHWA	AE	Enter total FHWA non-formula dollars anticipated to be used. These are Indian Reservation Roads, Forest Highways, TRLF, etc.)
Target FHWA	AF	Enter total federal target highway dollars anticipated to be used. This includes STP funds to be transferred to FTA for Transit projects.
District C FHWA	AG	Enter the total district C federal highway dollars anticipated to be used on the project.
Total FHWA	AH	Automatically calculated by formula. Equal to HPP, Other FHWA, Target FHWA, and District C FHWA.
HPP & Other FHWA AC	AI	The total estimated amount of future Demo & Other FHWA federal funds being committed to the project.
Target AC	AJ	The total estimated amount of future target federal funds being committed to a project, front-ended by local/state funds.
District C AC	AK	The total estimated amount of future District C federal funds being committed to the project, front-ended by local/state funds.
Total AC	AL	Automatically calculated by formula. Equal to Target AC and District C AC.
HPP & Other FHWA AC Payback	AM	The total estimated amount of Demo & Other FHWA funds converted to federal funds.
Target AC Payback	AN	The total estimated amount of target funds converted to federal funds.
District C AC Payback	AO	The total estimated amount of district C funds converted to federal funds.
Total AC Payback	AP	Automatically calculated by formula. Equals AC Payback and District C AC Payback.

FTA	AQ	Enter total dollars from the Federal Transit Administration.
FTA Earmark	AR	Enter total dollars from a FTA Earmark
STATE TH	AS	Enter total (SRC) state trunk highway dollars anticipated to be used (either state match or state funds; does not include any state-aid funds). Does not include Bond dollars or non-SRC state funds.
District C TH	AT	Enter total District C trunk highway funds anticipated to be used on the project. Does not include Bond dollars.
Total TH	AU	Automatically calculated. State TH + Dist C TH.
BOND	AV	Enter total state amount of Trunk Highway bond funds anticipated to be used.
OTHER	AW	Local match, local funds, and misc. funds including DNR recreational trail funds, DPS funds, NHTSA funds, and non-Trunk Highway bond funds.
Project Total	AX	Automatically calculated by formula. Equals HPP, Other Federal, Target FHWA, District C FHWA, HPP & Other Target AC, Target AC, District C AC, FTA, State TH, District C TH, BOND, and Other.
Running Federal Target \$ Total	AY	For information/analysis only
Running State Target \$ Total	AZ	For information/analysis only
Year	BA	For information/analysis only
OCPM Comments	BB	For OCPM use only
District Comments	BC	Use for additional project information. Note: Bridge Sufficiency Rating is required only for off system bridge replacement. Other funds-please explain LM, LF, Grant, etc.
10 Year Work Plan	BD-DM	See 10 Year Work Plan Guidance

# **2016-2019 STIP/ATIP TEMPLATE GUIDANCE PART II**



### **Route System**

The route system includes the route name. Names of streets should not be used in this column, but may be included in the description column. Below is a list of available Route Systems.

<b>Figure 1 Route System</b>	
<b>ROUTE SYSTEM</b>	<b>DESCRIPTION</b>
BB	Transit (buses)
CITY	City
CR	County Road
CSAH	County State Aid Highway (except if a forest highway)
FH	Forest Highway
I	Interstate
IRR	Indian Reservation Road
LOCAL	All other local projects (including project not associated with a road)
MN	Minnesota designated trunk highway (including state project not associated with a road)
MSAS	Municipal State Aid Street
MUN	Municipal Street
PED/BIKE	Pedestrian or Bike Path/Trail (not assigned to a specific road)
REC TRAIL	Recreation Trail Program (administered by the DNR)
RR	Railroad
TWN	Township Road
US	US designated trunk highway

## Project Number

A project number identifies the project. Project numbers are assigned through PUMA. Below is a list of the different project number formats.

<b>Figure 2 Project Number</b>		
<b>PROJECT TYPE</b>	<b>PROJECT NUMBER FORMAT</b>	<b>ABBREVIATION</b>
Trunk Highway	AAAA-NN	AAAA = control section (Excluding Statewide, Districtwide, and countywide SP)
Set-Asides	880D-PP-YY	
State-Aid Roadway (CSAH/MSAS)	See State Aid Project Format on page 23 thru 25	
Municipal Street Township Road	See State Aid Project Format on page 23 thru 25	AC = AC payback
Railroad Crossing	CC-BBBBBB unless a TH, then use TH project number	BBBBB = number assigned by the rail office
Transit	TRF-AAAA-YY TRS-AAAA-YY	CC = county D = district (M for Metro)
Advance Construction (AC) Payback	AAAA-NNAC  Use original project number followed with an “AC”.  For multi-year payback projects use “AC1” for 1 <sup>st</sup> year of payback, “AC2” for 2 <sup>nd</sup> year of payback, and so on.	E = enhancement portion of project  N = NHPP  NN & NNN = unique number
Indefinite Delivery Indefinite Quantity Project (IDIQ)	88XX-XX	P = STP
NHPP, STP, CMAQ, HSIP and TAP Portions of Projects	Show NHPP, STP, CMAQ, HSIP, and TAP costs as a second line for each project when a project has two types of federal funds. Use same SP followed by N for NHPP, P for STP, Q for CMAQ, S for HSIP, and T for TAP.	PP = program  Q = CMAQ portion of project  S = HSIP portion of project
Shared Construction –MnDOT let Project	See Shared Construction in the General Guidance	T = TAP portion of project
Cooperative Agreement –Local let Project	See Cooperative Agreement in the General Guidance	TRF = FTA funding  TRS = FHWA funding
Multi-District Project	See Multi-District Project in the General Guidance	YY = state fiscal year

### Agency

The agency is the jurisdiction responsible for implementing projects or for opening bids. County names should be followed by the word “COUNTY”. When the project is a city project, provide only the city name. See Figure 3 below for different agency formats.

<b>Figure 3 Agency</b>	
<b>AGENCY</b>	<b>AGENCY FORMAT</b>
MnDOT	MnDOT
Counties	WASECA COUNTY ANOKA COUNTY AITKIN COUNTY
Cities	WASECA ANOKA AITKIN
Transit Authorities	METRO TRANSIT DULUTH TRANSIT AUTHORITY ST. CLOUD MTC MOORHEAD TRANSIT MVTA MNDOT
Rail Authorities	REGIONAL RAIL AUTH
Districtwide local project	LOCAL
Others (abbreviate if possible)	DNR DNR PARKS AND TRAILS DPS

## **Project Description**

### ***General Guidance***

The guidance below applies to all local and MnDOT projects shown in the STIP.

The project description must clearly identify the specific route, point of reference (from/to/at), and the work type(s) being done on the project. The description should be precise, complete, and accurate. It cannot contain “etc.”. Incidental work types are not required in the project description as they are not specific to the purpose and need of the project. It is important that the STIP project description is specific enough to make a determination that the project is consistent with the detailed description on the submittal letter, construction plan, authorization form, and PPMS Header Screen Information. Any variation between these items should be minor.

- *Typical incidental work types include detour agreements, storm sewers, water mains, curb & gutter, drainage, sidewalks, flagging, and rail agreements that are non-federal.*

### ***District Responsibility***

The District Planning Director is responsible for making sure STIP project descriptions are correct and updated. The District Planning Director should work with each individual MnDOT and State Aid project manager to ensure the project description is accurate and current. If project changes have occurred since the last approved STIP, the old STIP project description must be updated during the development of the next draft STIP to reflect any changes. STIP project descriptions require updating to reflect changes in route, point of reference (location, length, termini), or work type(s). This will eliminate the need for formal amendments and administrative modifications after the construction plans are submitted to MnDOT Central Office and before federal project authorization.

- *A District may designate another position as the responsible person for STIP descriptions so long as the District informs OTSM of the designation.*

### ***Roadway Project***

The STIP project description for roadway projects must include the route, the point of reference, and the work type(s) being done. Route “999” is not acceptable for project located on a specific route, and can only be used on statewide, districtwide, or countywide projects.

### ***Bridge and Culvert Replacement***

For bridge and culvert replacement projects, the STIP project description must include the route, the point of reference, work type(s), and the old and the new bridge/culvert number. The bridge name is also required for bridge replacement projects. For culvert only replacement projects, include the old culvert number and new culvert number, if known.

### ***Bridge Repair and Rehabilitation***

For bridge repair and rehabilitation projects, the STIP project description must include the route, point of reference, the bridge number(s) and the work type(s) being done on each bridge. For statewide, districtwide, and countywide bridge repair and rehabilitation projects, provide the total number of bridges and work type(s) being done on the project in lieu of the bridge numbers.

### ***Roadway Projects with Bridge Repair and Rehabilitation***

For roadway projects that include bridge repair and rehabilitation, where the majority of the work is being done on the roadway, provide the total number of bridges and the work type(s) in lieu of the bridge numbers.

### ***Project Termini***

Under current federal guidance, all federally funded projects are required to provide beginning/ending termini and the total project mileage in the STIP, excluding length associated with incidental work. The beginning and ending termini shown in the STIP must be within 0.3 miles of where the project starts and ends. Any variation greater than 0.3 miles between the actual project's start/end and the STIP termini will constitute a project scope change, and will require a formal STIP amendment.

- *Distances should be shown in tenths of miles (i.e., 0.1 miles).*

### ***Rail Safety Projects***

STIP project descriptions for railroad safety projects must include the railroad name, the safety improvement type(s), and the point of reference.

### ***Highway Safety Improvement Program Project (HSIP)***

For stand-alone HSIP projects, the STIP project description must include the route, point of reference, and work type(s) using the federal HSIP funds. If the HSIP work is part of a larger project, the HSIP work and limits must be identified separately from the larger project and documented on a separate line in the STIP.

- *State Project (SP) Note: The SP number would have an S extension at the end for the HSIP portion.*

### ***Multiple Route Project***

For projects that are located on multiple routes, the STIP project description must start with the route number that has the majority of the work. The project description must also identify all the additional routes where work is being done. Route 999 should only be used on statewide, districtwide, or countywide projects. Local projects located on a specific route must identify the actual route number; this could be a city street or a township road.

- *State Project (SP) Note: Each route will have its own "control section" identified as an "associated" SP number.*
- *STIP spreadsheet: The "Route Number" column should be the route number that has the most work.*

### ***Transportation Alternative Projects (TAP)***

For stand-alone TAP projects, the STIP project description must include the route, point of reference, and work type(s) using the federal TAP funds. For projects on trails, the route may be the name of the trail (e.g., GITCHI-GAMI TRAIL). If the TAP work is part of a larger project, the TAP work and limits must be identified separately from the larger project and documented on a separate line in the STIP.

- *State Project (SP) Note: The SP number would have a TAP extension at the end for the TAP portion.*

### ***Congestion Mitigation Air Quality Projects (CMAQ)***

For stand-alone CMAQ projects, the STIP project description must include the route, point of reference, and work type(s) using the federal CMAQ funds. If the CMAQ work is part of a larger project, the CMAQ work and limits must be identified separately from the larger project and documented on a separate line in the STIP.

- *State Project (SP) Note: The SP number would have a Q extension at the end for the CMAQ portion.*

### ***Associated Project***

Construction plans typically contain multiple SPs (one main SP and one or more associated SPs). An Associated SP is assigned when the work is being done on a different control section than the Prime SP's control section. Since the project will be authorized under the Prime SP, Associated SPs should not be shown in the project description of the Prime SP. Associated SPs sometimes referred to as associated projects.

- *State Project (SP) Note: Associated projects are not required to be shown as separate projects in the STIP unless they show a local federal share on a MnDOT let project. A project that uses STP, HSIP, CMAQ, or TAP is required to be in the STIP as a separate project.*

### ***Tied Project***

Individual projects with their own construction plans, but being let together on the same letting date and under one letting contract are called Tied Projects. Each of the Tied Projects (prime SP) is required to be shown in the STIP as separate projects and the STIP project description for each project should include all the other tied SPs.

### ***Smart Codes***

Smart Codes have been developed to support accurate and consistent tracking for many programs and processes shown in the STIP. Use Smart Codes at the beginning of the project description (e.g., \*\*ELLA\*\*, \*\*SRTS\*\*, \*\*FMP\*\*). If a project has more than one Smart Code associated with it, use \*\* in between the codes, (e.g., \*\*ELLA\*\*FMP\*\*).

- *PPMS Header Screen Note: Smart Code(s) are also required to be coded in the PPMS project description.*

Please refer to Page 8 of this guidance for a list of project description examples.

**Figure 4B  
Project Description**

<b>PROJECT TYPE</b>	<b>FORMAT</b>
Advance Construction	**Smart Code** route, point of reference, work type, and add “(AC project, Payback in YYYY)”. For a multiple year payback project, add“(AC project, Paybacks in YYYY and YYYY)
	**AC** MN 247, FROM JCT TH 63 TO TH 42, BITUMINOUS MILL & OVERLAY (AC PROJECT, PAYBACK IN 2018)
	**AC** CSAH 2, STEARNS CSAH 4 TO CSAH 75, RESURFACING (AC PROJECT, PAYBACK IN 2018)
Advance Construction Payback	**Smart Code** route, point of reference, work type, add (AC Payback X of X)
	**AC** MN 247, FROM JCT TH 63 TO TH 42, BITUMINOUS MILL & OVERLAY (AC PAYBACK 1 OF 1)
	**AC**CSAH 2, CSAH 4 TO CSAH 75, RESURFACING (AC PAYBACK 2 OF 2)
Alternate Bid	**Smart Code** route, point of reference, and work type
	**AB** MN 11, AT INTERSECTION OF TH 11 AND LAKE STREET IN WARROAD, SIGNAL REPLACEMENT
	**AB** CSAH 7, FROM US 2 TO MN 92, BITUMINOUS OVERLAY
Bridge and Culvert Replacement	Route, point of reference, the old and the new bridge/culvert number. For new bridge include route, point of reference, and new bridge with additional work
	MN 84, 0.2 MILES SOUTH OF LONGVILLE OVER BOY RIVER, REPLACE BRIDGE 984 WITH BOX CULVERT 11X03
	MN 36, OVER ST CROIX RIVER NEAR STILLWATER & OAK PARK HEIGHTS, ST. CROIX BRIDGE, NEW BRIDGE 82045, INCLUDING RAMPS ON & OFF TH 95
Bridge Repair and Rehabilitation	Route, point of reference, bridge number, and work type being done on each bridge. For Statewide, districtwide and countywide, provide total number of bridges. & type(s) of work
	MN 5, FROM MN55 IN MPLS TO DAVERN AVE ST IN ST PAUL - REDECK BRIDGE 9300, PAINT BRIDGES 9300 AND 9491, MINOR REPAIRS TO BRIDGES 9489, 9490 AND 9491-MINOR CONCRETE PAVEMENT REPAIR
	I 94, WB RAMP OVER LRT AND CITY ST LOCATED JUST E OF JCT OF MN 55 IN MPLS AND ON I494 OVER 34TH ST IN BLOOMINGTON – PAINT 4 BRIDGES AND APPROPRIATE BEARING WORK
Replacing old bridge with new bridge	Route, point of reference, old bridge number WITH new bridge number
	MN 23, 15.9 MI NE OF SOUTH CARLSON CO LINE, REPLACE OLD BR 5470 WITH NEW BR 09015 AND APPROACHES
	TH 10, EB FROM E OF TH 9 TO 150TH ST N - GRADING, BITUMINOUS SURFACING AND REPLACE OLD BR 14003 WITH NEW BR# 14800 OVER THE BUFFALO RIVER (EB)
Replacing old bridge with new culvert	Route, point of reference, old bridge number WITH new culvert number
	MN 44, FROM 0.142 MI W OF CSAH 12 (CALEDONIA) TO 0.2 MI E OF BUTTERFIELD ROAD (HOKAH), REPLACE OLD BRIDGE 8158 WITH BOX CULVERT 28X07 AND BITUMINOUS MILL & OVERLAY
	MN 84, 0.2 MI S OF LONGVILLE, REPLACE BRIDGE 984 WITH BOX CULVERT 11X03 OVER BOY RIVER

<p align="center"><b>Figure 4B</b> <b>Project Description</b></p>	
Demo	**Smart Code**, route, point of reference, work type, and add (YYYY Appropriation ACT/Bill)
	**MN162** CSAH 3, BENTON DRIVE TO TH 10, RIGHT OF WAY ACQUISITION (SAFETEA-LU)
	**MN223** CSAH 42, AT TH 52 INTERCHANGE, PRELIMINARY ENGINEERING FOR RECONSTRUCTION OF THE INTERCHANGE (SAFETEA-LU)
Historic Preservation and Enhancement	Name, point of reference, and work type
	ALONG BOTH SIDES OF TH 57 THROUGH MANTORVILLE, REPAIR AND RESTORATION OF HISTORICAL RETAINING WALLS
	DEPOT IN STAPLES, RESTORATION OF THE EXISTING STRUCTURE
IDIQ	**Smart Code**, location (districtwide, various, etc.) work type, contract minimum amount, contract maximum amount (contract expires date)
	**IDIQ** DISTRICTWIDE BITUMINOUS CRACK SEALING (CONTRACT MINIMUM IS \$100,000; MAXIMUM IS 1,000,000) (CONTRACT EXPIRES 12-31-16)
	**IDIQ** BRIDGE REPAIRS, VARIOUS LOCATIONS DISTRICTWIDE - MINIMUM AMOUNT \$300,000; MAXIMUM AMOUNT \$1,000,000; EXPIRATION DATE 11/15/2016
Multi-District Project	Route, point of reference, work type, and add (Designed by District X, Funded by District Y under SP XXXX-XXM, \$)
	MN 46, 5.0 MI N OF SQUAW LAKE, REPLACE BR #8803 (DESIGNED BY DIST 2 SP 3109-40 AND FUNDED BY ATP 1 UNDER SP 3109-40M FOR \$852,382)
	MN 371, WALKER TO 1.5 MI S OF CASS LAKE RD, MILL AND OVERLAY (DESIGNED BY DIST 2, ATP 3 PORTION OF \$4,588,935)
Pedestrian Bike	Route, point of reference, work type
	NEAR ALEXANDRIA, ADJACENT TO HWY 29, DOUGLAS CO RD 85 TO BIRCH BEACH, CONSTRUCTION OF BIKE TRAIL
	CSAH 25 & CSAH 35 FROM CENTENNIAL PARK TO WORTHINGTON MIDDLE SCHOOL AT THE INT OF CSAH 10 & CSAH 35, CONSTRUCT WORTHINGTON TRAIL FOR PEDS AND BIKES
Roadway	Route, point of reference, work type
	MN 11, INTERNATIONAL FALLS, FROM 0.25 MI E CSAH 332 TO E SHORE DOVE ISLAND, 11.3 MILES, MILL & OVERLAY
	TH 63 IN INTERNATIONAL FALLS FR JCT TH 53/CRESCENT DR TO JCT TH53/4TH ST AND TH 11 FR 6TH AVE W TO 3RD AVE W AND TH 11 FR. 3RD AVE W TO 0.25 MI E CSAH 332, 1.8 MILES - MILL/INLAY, ADA, SIGNAL
Roadway W/O mileage	Location, description, work type
	TH 10 AND TH 23 INTERCHANGE AREA, RESURFACING
	US 61, GILMORE AVENUE, WINONA, RECONSTRUCT INTERSECTION AND INSTALL NEW SIGNAL
Setaside	Add "DISTRICTWIDE SETASIDE", work type, and SFY
	DISTRICTWIDE SETASIDE – MUNICIPAL AGREEMENTS – 2014
	DISTRICTWIDE SETASIDE – LANDSCAPING – 2016



**Figure 4B**  
**Project Description**

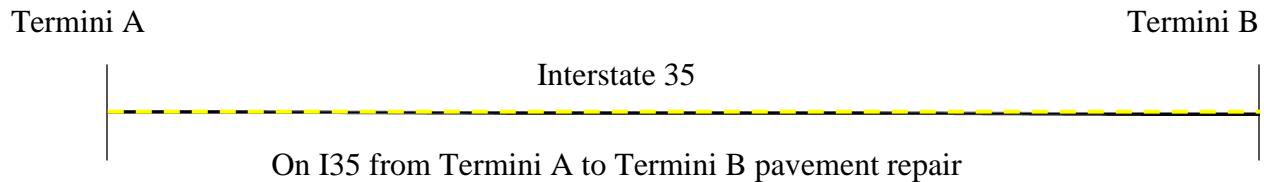
SRTS	**Smart Coded**, location, to and from (if applicable), work type(s)
	**SRTS** WENTWORTH FROM CHARLTON ST TO BELLOWS ST AND BELLOWS ST FROM WENTWORTH TO THOMPSON AVE- CE AND CONSTRUCTION FOR TRAIL AND SIDEWALK
	**SRTS** EAST GRAND FORKS SAFE ROUTES TO SCHOOL PROGRAM & EQUIPMENT COSTS
TAP	Route, point of reference, and work type. Sample below shows how to separate out the TAP which is part of a larger project.
	Project using TAP XXXX-XTAP – CSAH 2, FROM RED LAKE CO CSAH 1, (NE OF RED LAKE FALLS) TO THE RED LAKE/PENNINGTON CO LINE, BIT OVERLAY
	Project using Non-TAP (SFs/BFs) XXXX-XX - MN 200, S OF TH 200 (TWP RD OVER MARSH RIVER) REPL BR #6522 WITH BR #54011
Tied Project	Route, point of reference, work type, and add (Tied to XXXX-XX)
	MN 7, AT HENNEPIN CSAH 61, UPGRADE TO A 4-LANE ROADWAY (TIED TO 027-661-046)
	MN 101, FROM DIAMOND LAKE RD TO HENNEPIN/WRIGHT COUNTY LINE, BITUMINOUS MILL & OVERLAY (TIED TO 2738-28 AND 238-010-003)
Rail	Rail name, work type, and point of reference
	CP/SOO, INSTALL GATES AND FLASHING LIGHTS AT CSAH 40
	BNSF, INSTALL GATES & FLASHING LIGHTS, AT SAVANNA RD AND CO RD 186
CMAQ	Route, point of reference, and type(s) of work.
	US 61, FROM 4TH ST IN HASTINGS TO I-94 IN ST PAUL-FREEWAY MANAGEMENT SYSTEM ON TH 61
	MN 252, FROM MN610 IN BROOKLYN PARK TO I694 IN BROOKLYN CENTER-SIGNAL COORDINATION, DEPLOY CC CAMERAS, AND DYNAMIC MESSAGE SIGNS
HSIP	If HSIP is part of a bigger project, the HSIP portion should have its own line in the STIP with an S on the end of the SP (XXXX-XXS) and the description should be for the HSIP portion only
	Non HSIP description, SP XXXX-XX, US 12, W OF US 71 TO E OF US 71, REMOVE & REPLACE CONCRETE PAVEMENT AND 6TH STREET TO LAKELAND AVE, ADA WORK
	HSIP description, SP XXXX-XXS, US 12, AT JCT OF US 12 & KANDIYOHI CSAH 9, FREE RIGHT TURN LANE
Multiple Route Project	All the routes, point of reference, work type
	CSAH 96, FROM I35E TO US61 AND ON US61 FROM CSAH 96 TO I-694, PAVEMENT REPAIR
	CSAH 13, FROM I35W TO CLIFF RD AND ON I35E FROM CLIFF RD TO CSAH 11, MILL AND OVERLAY

Transit-FHWA	Description, bus class number, and add "Bus related Equipment or Transit Facility and Transit related Equipment" at the end
	ARROWHEAD TRANSIT – PURCHASE 1 BUS (400) AND BUS RELATED EQUIPMENT
	CITY OF HIBBING – PURCHASE 2 BUSES (500) AND BUS RELATED EQUIPMENT.
	TRI-VALLEY TRANSIT - TRANSIT FACILITY AND TRANSIT RELATED EQUIPMENT
Transit-FTA	Section number, description, bus class number and add "Bus related Equipment or Transit Facility and Transit related Equipment" at the end
	SECT 5309: CENTRAL CORRIDOR OR SOUTHWEST CORNER LIGHT RAIL TRANSIT PROJECT-NEW START FFGA 2015 APPROPRIATION
	SECT 5310: POLK CO DEV ACHIEVE CTR, PURCHASE 2 BUSES (500) AND BUS RELATED EQUIPMENT
	SECT 5311(f): INTER-CITY BUS PROGRAM; INVOLVES OPERATING (50%), CAPITAL VEHICLE PURCHASES (80%), CAPITAL VEHICLE REHAB (80%), MARKETING (80%) AND PILOT OPERATING (100%)

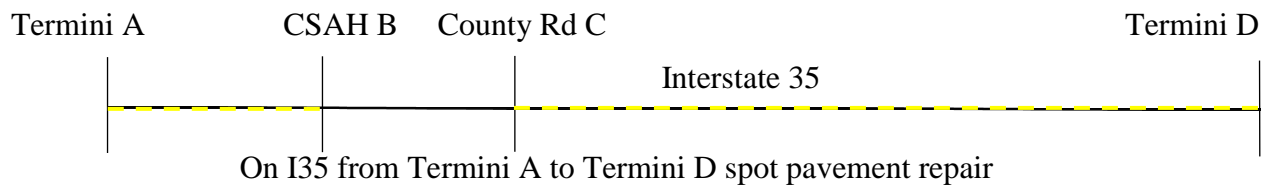
**Figure 4C**

**Additional Highway Project Description Format**

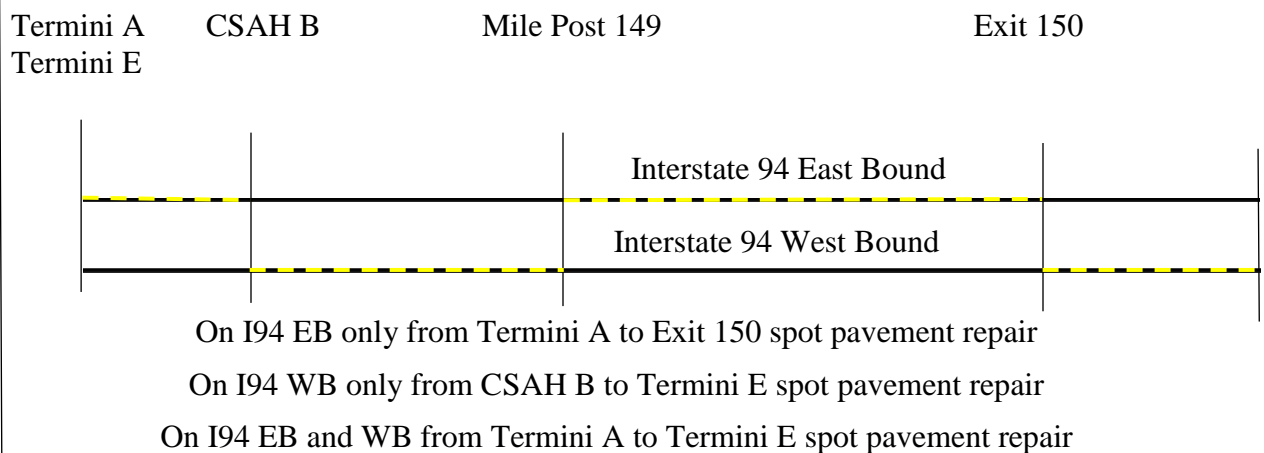
**Example Description 1:**



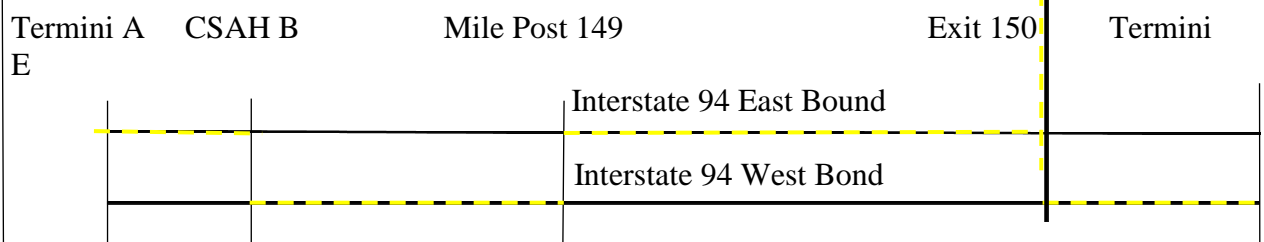
**Example Description 2:**



**Example Description 3:**



**Example Description 4:**



Work Bring Done

Work Not Being Done

**Figure 4A  
Smart Code**

<b>SMART CODE</b>	<b>DEFINITION</b>
**AB**	Alternate Bid
**AC**	Advance Construction/Advance Construction Payback
**ADA**	Americans with Disabilities Act (Funding)
**CBI**	Coordinated Border infrastructure (MAP-21 provides no CBI)
**CHAP 152**	Chapter 152 Bridge Bonds
**CMGC**	Construction Manager General Constructor Project
**COC**	Corridors of Commerce, 2013 Leg. Chapter 117, \$300M Bonds
**COCII**	Corridors of Commerce, 2014 Leg. Chapter 294 - \$31.5M State Funds
**ELLA**	Early Let Late Award
**FMP**	Flood Mitigation Program
**HB**	Historic Bridges
**HRRR**	High Risk Rural Road
**HSR**	High Speed Rail
**IDIQ**	Indefinite Delivery Indefinite Quantity
**IP**	Illustrative Project
**ITS**	Intelligent Transportation System Project
**LGA**	Local Government Advance/Local Government Advance Payback
**MNXXX**	Demo
**NCIP**	National Corridor Improvement Program (only if project is fully funded)
**PNRS**	Projects of National & Regional Significance (only if project is fully funded)
**RCIP**	Major Regional and Community Improvement Priorities
**SB**	Scenic Byway Program
**SEC164**	Highway Safety Improvement Program-Repeat Offender Laws
**SPPB**	Statewide Performance Program, Bridge
**SPPM**	Statewide Performance Program, Mobility
**SPPP**	Statewide Performance Program, Pavement
**SRTS**	Safe Route to School (Infrastructure and Non-Infrastructure)
**TCSP**	Transportation, Community, Systems Preservation Program (only if project is fully funded)
**TED12**	Trunk Highway Economic Development Account
**TED14**	Trunk Highway Additional Spending Authority (\$10M/FY13 & \$10M/FY14)
**TED16**	Trunk Highway Additional Spending Authority (\$10M/FY15, \$10M/FY16, \$5M carried over from **TED14**)
**TH14TB**	Trunk Highway 14 Turn Back
**TRLF**	Transportation Revolving Loan Fund/Transportation Revolving Loan Payback

Note: Smart Codes should also be shown in the PPMS

## Highway Program Category

**Figure 5A**  
**Highway Program Category**

CATEGORY	CODE	DESCRIPTION
Municipal Agreements	AM	The Municipal Agreements category is MnDOT's share of trunk highway work done by another jurisdiction.
Utility Agreements	AU	The Utility Agreements category is used for standalone utility agreements. (Used in PPMS/Not STIP)
Detour Agreement	DA	The Detour Agreement category is used for standalone detour agreements. (Used in PPMS/Not STIP)
Bridge Improvement and Repair	BI	The Bridge Improvement and Repair category is directed at the maintenance, protection and improvement of safety on existing bridges. The work may consist of deck and substructure repairs, deck overlay, slope protection repair, bridge approach panel repair, bridge painting, minor widening, etc.
Bridge Replacement	BR	The Bridge Replacement category is directed at the elimination or correction of bridges that have been identified as inadequate and/or hazardous because of horizontal and vertical clearances, load restrictions or deterioration. The work may consist of replacing deficient bridges with bridges or culverts, constructing approaches or major bridge rehabilitation of a bridge.
Bike Trail	BT	The Bike Trail category is used for pedestrian and/or bike trails that are not federal Enhancement projects and do not use STP Enhancement funding. The work may consist of construction, resurfacing or maintenance.
Consultant Agreements	CA	The Consultant Agreement category includes work tied directly to preparing a project for construction including activities necessary to acquire right-of-way. To be used for MnDOT's planning studies done by consultants.
Drainage	DR	The Drainage category covers stand-alone drainage projects that include repair, replacement or new installation of hydraulic infrastructure and storm water treatment systems. Typical components are piping systems, culvert systems, catch basins, manholes, aprons, ponds, structural pollution control devices, infiltration/filtration basins, ditches and swales. Correction of erosion problems may also be included in this type of work.

**Figure 5A**  
**Highway Program Category (Continued)**

CATEGORY	CODE	DESCRIPTION
Enhancement	EN	The Enhancement category is used for those projects that qualify for STP Enhancement or MAP-21 Transportation Alternative Program (TAP) funding and are not tied to another program category.
Indian Reservation Roads	IR	The Indian Reservation Roads category is intended for those roads constructed on Indian reservations and identified in the IRR TIP.
Miscellaneous Agreements	MA	The Miscellaneous Agreements category can be used for any agreement other than a municipal agreement.
Major Construction	MC	The Major Construction category is directed toward improvements that increase the operational characteristics of a highway facility by decreasing congestion, increasing the operating speed and/or reducing accidents by adding through lanes, passing lanes, or by building a new roadway. The projects consist of grading, surfacing, and may include all or combinations of the following: interchanges, bridges, signals, lighting, signing, fencing and landscaping.
Noise Walls	NO	The Noise Walls category is intended for the construction of noise walls.
Planning	PL	The Planning category is intended for long-range studies of options along or within transportation corridors. This cannot be used for MnDOT's planning projects done by internal staff. MnDOT's planning studies done by consultants should use "CA", but, should <b>not</b> use SRC budget.
Preventive Maintenance	PM	The Preventive Maintenance category is intended for projects that protect the pavement structure, slow the rate of pavement deterioration and/or correct pavement surface deficiencies. PM projects should be done on roads in GOOD condition and not as a quick fix to buy time until rehabilitation or reconstruction is needed.
Recreational Trails	RT	The Recreational Trails category is intended for projects that are administered by the DNR and are funded through the FHWA Recreational Trails Program.

**Figure 5A**  
**Highway Program Category (Continued)**

<b>CATEGORY</b>	<b>CODE</b>	<b>DESCRIPTION</b>
Rest Area/Beautification	RB	The Rest Area/Beautification category is intended for the installation and/or upgrade of Roadside Rest Areas or preservation of Historical sites. The Beautification portion of the category is intended for those activities to improve the appearance of the roadside and state entrances, such as Landscape Partnerships.
Reconstruction	RC	The Reconstruction category is intended to bring sections of the highway that are inadequate with respect to grades (deficient horizontal and/or vertical sight distances) and cross section (steep slopes and narrow shoulders) to an acceptable standard with a 20 year minimum life expectancy. These projects may also provide for the upgrading of sections with load capacity restrictions. The reconstruction category is not meant to include the addition of through traffic lanes. The projects consist predominantly of grading or heavy regrading, base, surfacing, and bridges/culverts where necessary including un-bonded concrete overlay.
Reconditioning	RD	The Reconditioning category is intended to correct conditions that have been identified as critically deficient without involving major changes to the cross section. The projects usually consist of a combination of two or more of the following: widening, resurfacing, recycling, reclamation, concrete pavement rehab, turn lanes, drainage correction or shouldering. The work may also involve major ditch restoration, isolated geometric corrections, as well as projects with road strengthening as an objective. Geometric improvements include corrections to the horizontal (with, curvature) and vertical (grade) design elements of the highway. White topping/thin concrete overlays are included in this category.
Resurfacing	RS	The Resurfacing category is intended to restore the roadway surface and/or shoulders. The projects may consist of removing and replacing the top layer of the roadway, placing an additional layer on the existing roadway or shoulder, maintenance emergencies or minor improvements (e.g., joints, culverts, and slopes).
Right-of-Way	RW	These projects are intended to provide for the purchase of property needed for highway construction and to relocate utilities and railroad facilities.
Road Repair	RX	Also referred to as BARC, the road repair category is used for minor preservation work. Work must be more than ordinary maintenance and be necessary to achieve the normal life expectancy of the roadway.

**Figure 5A**  
**Highway Program Category (Continued)**

CATEGORY	CODE	DESCRIPTION
Supplemental Agreement and Cost Overrun	SA	The supplemental agreement/cost overrun category is intended to cover unanticipated items that appear during construction of the project.
Safety Improvements	SH	Safety HSIP (SH) -federally funded safety projects using HSIP funding. (This category relates directly to the federal Highway Safety Improvement Program (HSIP).
Safety Improvements	SC	Safety Capacity (SC) – this includes any safety projects that are not funded with federal HSIP funding. Although these are typically state funded, they can be funded by federal funding other than HSIP.
Safety Rail	SR	The purpose of the Safety Rail category is to promote and enhance safety at all public railroad-highway grade crossings in the state. These projects can be funded by the federal Highway Safety Improvement Program.
Traffic Management	TM	The purpose of the Traffic Management category is to provide for the installation and development of systems to control and alleviate the congestion on urban freeways.



## Transit Program Category

<b>Figure 5B Transit Program Category</b>		
<b>CATEGORY</b>	<b>CODE</b>	<b>DESCRIPTION</b>
Transit	TR	The Transit category is used for transit capital projects that are funded using FHWA STP, FTA or CMAQ with no STP or FTA funds.
Metropolitan Planning (Transit)	MP	Section 5303 - Funds are available for planning activities that (A) support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency; (B) increase the safety of the transportation system for motorized and non-motorized users; (C) increase the security of the transportation system for motorized and non-motorized users; (D) increase the accessibility and mobility of people and for freight; (E) protect and enhance the environment, promote energy conservation, improve the quality of life, and promote consistency between transportation improvements and State and local planned growth and economic development patterns; (F) enhance the integration and connectivity of the transportation system, across and between modes, for people and freight; (G) promote efficient system management and operation; and (H) emphasize the preservation of the existing transportation system.
Planning Program (Transit)	PP	Section 5305 - Funds are available for planning programming activities that (A) support the economic vitality of the state and metropolitan area, especially by enabling global competitiveness, productivity, and efficiency; (B) increase the safety of the transportation system for motorized and non-motorized users; (C) increase the security of the transportation system for motorized and non-motorized users; (D) increase the accessibility and mobility of people and for freight; (E) protect and enhance the environment, promote energy conservation, improve the quality of life, and promote consistency between transportation improvements and State and local planned growth and economic development patterns; (F) enhance the integration and connectivity of the transportation system, across and between modes, for people and freight; (G) promote efficient system management and operation; and (H) emphasize the preservation of the existing transportation system.
Urbanized Area Formula	B9	Section 5307 - The Urbanized Area Formula. This category provides FTA formula funding for capital and operating assistance.
Clean Fuels	CF	Section 5308 - The Clean Fuels. This category provides capital grants to urbanized areas that are designated as maintenance or non-attainment areas for clean fuel buses. (Not in STIP)
Capital Program	B3	Section 5309 - Major Capital Programs - New Starts/Small Starts. These are major capital projects funded by appropriations through the US Treasury General Fund and include New Start and Small Start discretionary programs.

**Figure 5B**  
**Transit Program Category (Continued)**

<b>CATEGORY</b>	<b>COD E</b>	<b>DESCRIPTION</b>
Elderly and Persons with Disabilities	NB	Section 5310 - The Elderly and Persons with Disabilities. This category provides FTA formula funds for capital assistance.
Non-urbanized Areas	OB	Section 5311 - Section 5311(f) – The Non-urbanized Areas. This category provides FTA formula funds for capital and operating assistance for Public Transit.
State of Good Repair	GR	Section 5337 - State of Good Repair. This category provides FTA formula funds for High Intensity Motorbus and High Intensity Fixed Guide way Modernization capital projects.
Bus and Bus Facilities	BB	Section 5339 - Bus and Bus Facilities. This program provides FTA formula funds for capital projects to replace, rehab and/or purchase buses and bus-related capital equipment and/or transit facilities.

## **Proposed Fund**

Proposed fund is a preliminary fund assignment to a project. The table below provides a list of all the available funding codes made by OTSM to ensure optimal use of all transportation funding.

<b>Figure 6 Fund Code</b>			
<b>FUND PROGRAM</b>	<b>FUND CODE</b>	<b>FUND DESCRIPTION</b>	<b>FEDERAL SPLIT</b>
TH Bond	BF	MnDOT's Trunk Highway Bond Funds	N/A
Coordinated Border Infrastructure Program	CBI	Coordinated Border Infrastructure Funds	80/20 (could be up to 100)
Congestion Mitigation & Air Quality	CMAQ	Congestion Mitigation & Air Quality	80/20
Off-System Bridge Replacement Program	BROS	Off-System Bridge Replacement (SAFETEA-LU)	80/20
FHWA Demo project	DEMO*	HPP, Earmarked, National Corridor Improvement Program, Projects of National & Regional Significance, and all projects that have Demo ID	80/20 on House/Senate project. Others based on Allocation Memo
Federal Transit Administration	FTA	Federal Transit Administration	80/20 – Capital project 50/50 – Operating project
High Risk Rural Road Program	HRRR	High Risk Rural Road	90/10
Highway Safety Improvement Program	HSIP	Highway Safety Improvement Program - ATP and MnDOT	90/10 Section 164 100%FF
Local Funds/Other Funds	LF	Local Funds/Other Funds	N/A
Federal Fund Miscellaneous	FFM**	Federal Funds that are not formula or DEMO	Vary based on Allocation Memo
National Corridor Infrastructure Program	NCIP	National Corridor Infrastructure Program	80/20
National Highway Performance Program	NHPP	Interstates, NHS, and Principal Arterials	Interstate Route: 90/10 NHS Route: 80/20
Public Lands Highway Discretionary	PLHD	Public Lands Highway Discretionary	100
Rail Highway Crossing Hazard Elimination	RRS	Highway Rail Grade Crossings and Rail Safety	100

**Figure 6**  
**Fund Code (Continued)**

<b>FUND PROGRAM</b>	<b>FUND CODE</b>	<b>FUND DESCRIPTION</b>	<b>FEDERAL SPLIT</b>
Recreational Trail Program	RT	Transportation Alternatives Program – Recreational Trail Program - Department of Natural Resources	80/20
Safe Route to School Program	SRTS	Safe Route to School	100
State Road Construction	SF	MnDOT's State TH Funds	N/A
Surface Transportation Program	STP BROS	Surface Transportation Program for Off-System Bridge (MAP-21)	80/20
Surface Transportation Program	STP<5K	STP Rural (less than 5,000 population) - Projects outside of urban areas	80/20
Surface Transportation Program	STP 5K-200K	STP Small Urban (5,000 to 200,000 population) - Projects located within Greater Minnesota urban areas	80/20
Surface Transportation Program	STP>200K	STP Urban (greater than 200,000 population) - Projects located within the Twin Cities Metro Area	80/20
Surface Transportation Program	STP Statewide	STP Flex (For Setasides only, all other STP funds should be specified as one of the population categories shown above)	80//20
Transportation Access	TA	Use for projects on federally owned public land	80/20
Transportation Alternative Program	TAP<5K	TAP Rural (less than 5,000 population) - Projects outside of urban areas	80/20
Transportation Alternative Program	TAP 5K-200K	TAP Small Urban (5,000 to 200,000 population) - Projects located within Greater Minnesota urban areas	80/20
Transportation Alternative Program	TAP>200K	TAP Urban (greater than 200,000 population) - Projects located within the Twin Cities Metro Area	80/20
Transportation Alternative Program	TAP Statewide	Transportation Alternative Program Statewide (For Setasides only, all other TAP funds should be specified as one of the population categories shown above)	80/20
Transportation Revolving Loan Funds	TRLF	Transportation Revolving Loan Funds	No match required

***\*When to use fund code DEMO***

Proposed fund code DEMO should be used for all DEMO projects. The description should include Demo ID Number (Smart Code \*\*MNXXX\*\*) in the beginning of the description and the year of the appropriation bill at the end of the description (i.e., 2012 Appropriation Bill).

***\*\*When to use fund code Federal Funds Miscellaneous (FFM)***

Proposed fund code FFM should only be used for those projects funded with miscellaneous federal funds that are not target formula or DEMO funds.

### **State Aid Project Number Format**

State Aid project numbers consist of 3 sets of 3 numbers (adding leading zeros as necessary): ### - ### - ###

#### **Agency Number – Route/System Number - Sequence Number**

i.e., St. Cloud (city number 162) will use state aid funds to recondition a segment of MSAS 132, the 4th project on that route; the project number assigned is SAP 162-132-004.

<b>Figure 7-A State Aid Project Number Format</b>	
<b>AGENCY NUMBER</b>	<b>DESCRIPTION</b>
001 - 087	Counties
088	Across County boundaries, but within the State of Minnesota
090	Transit related projects sponsored by non-State Aid transit agency
091	Projects sponsored by miscellaneous non-State Aid agencies (i.e. Park Boards, Historical Societies, Townships, etc.)
092	Other State Agencies (i.e., DNR)
094	Minnesota Historical Society
095	Water related agencies (i.e., COE, harbor authorities, etc.)
09	U of M or another educational institution
098	Cities under 5000 Population
101 - 499	Cities with population over 5000
089, 093, 096, 099 and 100	no longer used

**Figure 7-B  
State Aid Project Number Format**

<b>ROUTE/SYSTEM NUMBERS</b>	<b>DESCRIPTION</b>
010	Municipal State Aid projects on the Trunk Highway system
020	Municipal State Aid projects on County State Aid Highway system
030	System wide projects on multiple State Aid routes – when the work does not affect the County's/City's NEEDS (i.e. traffic signals, seal coat, guardrails, studies, etc.)
035	Lump sum of dollars for Trunk Highway Turn Back projects
040	Money spent on maintenance building used to maintain State Aid roads backed by bond
050	Work on city streets when Municipal State Aid Streets meet NEEDS
060	Federal Scenic Byways
070	Project throughout a city or county – not necessarily related to the State Aid system (i.e. HSIP, studies)
080	City projects off the State Aid system (same use as the county numbers 596 - 598)
090	Multiuse Trail (if outside CSAH or MSAS right of way)
091	Federal Livable Communities Grant (Safety Projects for Pedestrians)
101 - 499	Municipal State Aid Street (MSAS) route number
500 - 589	No longer used (501 – 510 are being eliminated)
591	Safe Routes to School Program
592	Local road bonding on township road projects
593	Local road bonding on county road projects
594	Local road bonding on city streets
595	Federal Enhancement project (i.e. landscaping, buildings, trolley cars, museums, etc.)
596	County project off the State Aid system
597	County bridge or flood bonding on a non-State Aid city street

<b>Figure 7-B</b> <b>State Aid Project Number Format (continued)</b>	
<b>ROUTE/SYSTEM NUMBERS</b>	<b>DESCRIPTION</b>
598	County bridge or flood bonding on a county road
599	County bridge or flood bonding on a township road (includes town bridge account)
600	State Park Road Account projects (DNR projects on non-State Aid roads)
601 – 899	County State Aid Highway (CSAH) route number + 600
900 – 995	Not in use
996	No longer used (formerly Bonding Funds set aside by the Legislature for State Disasters)
997	No longer used (formerly State Aid Disaster Account)
998	No longer used (formerly Federal emergency relief (ER) emergency repair projects)
999	No longer used (formerly Federal emergency relief (ER) permanent repair projects)

For an electronic version of the State Aid Project Number Format contact MnDOT State Aid Office or go to:

<http://www.dot.state.mn.us/stateaid/projectdelivery/sa-project-no-format.pdf>